

Crosstabs

Notes

Output Created	26-MAR-2018 09:15:05	
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY Gender /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.	
Resources	Processor Time	00:00:00,62
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	Cells Available	524245

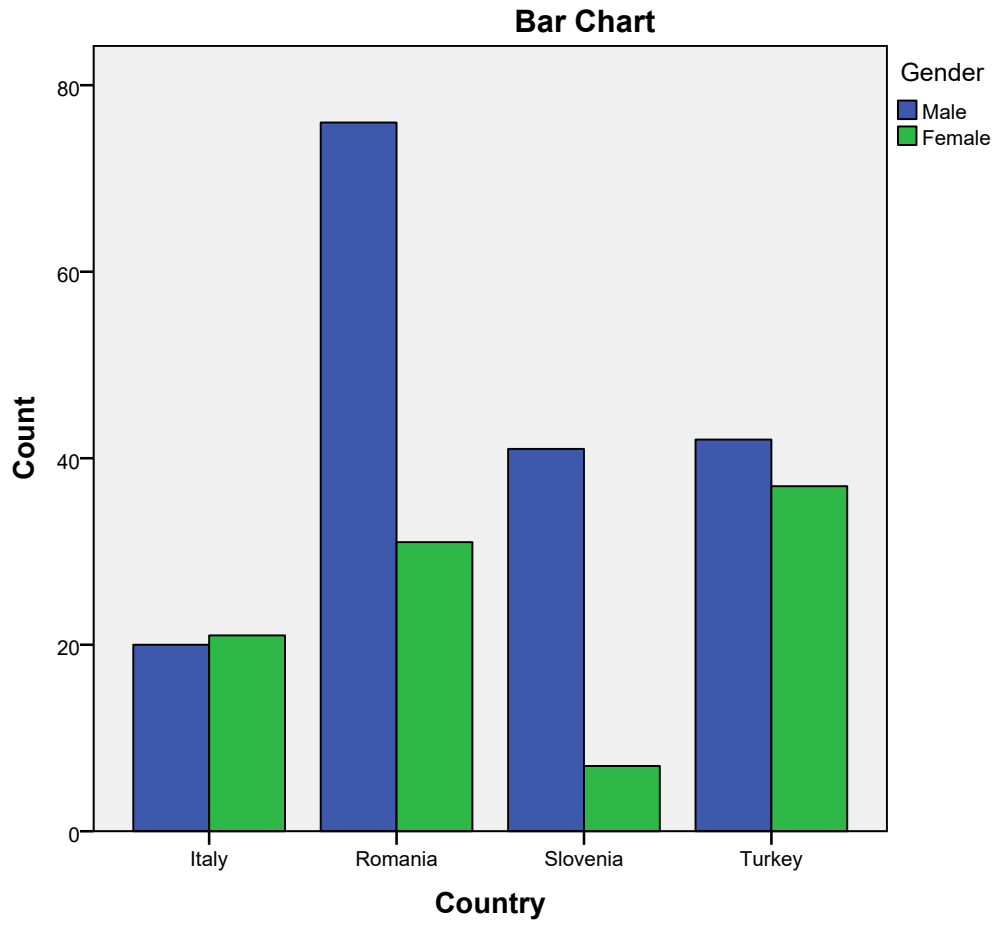
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * Gender	275	100,0%	0	0,0%	275	100,0%

Country * Gender Crosstabulation

Count

		Gender		Total
		Male	Female	
Country	Italy	20	21	41
	Romania	76	31	107
	Slovenia	41	7	48
	Turkey	42	37	79
Total		179	96	275



Crosstabs

Notes

Output Created	26-MAR-2018 09:17:02	
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
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	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY Age /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.	
Resources	Processor Time	00:00:00,47
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	Cells Available	524245

Case Processing Summary

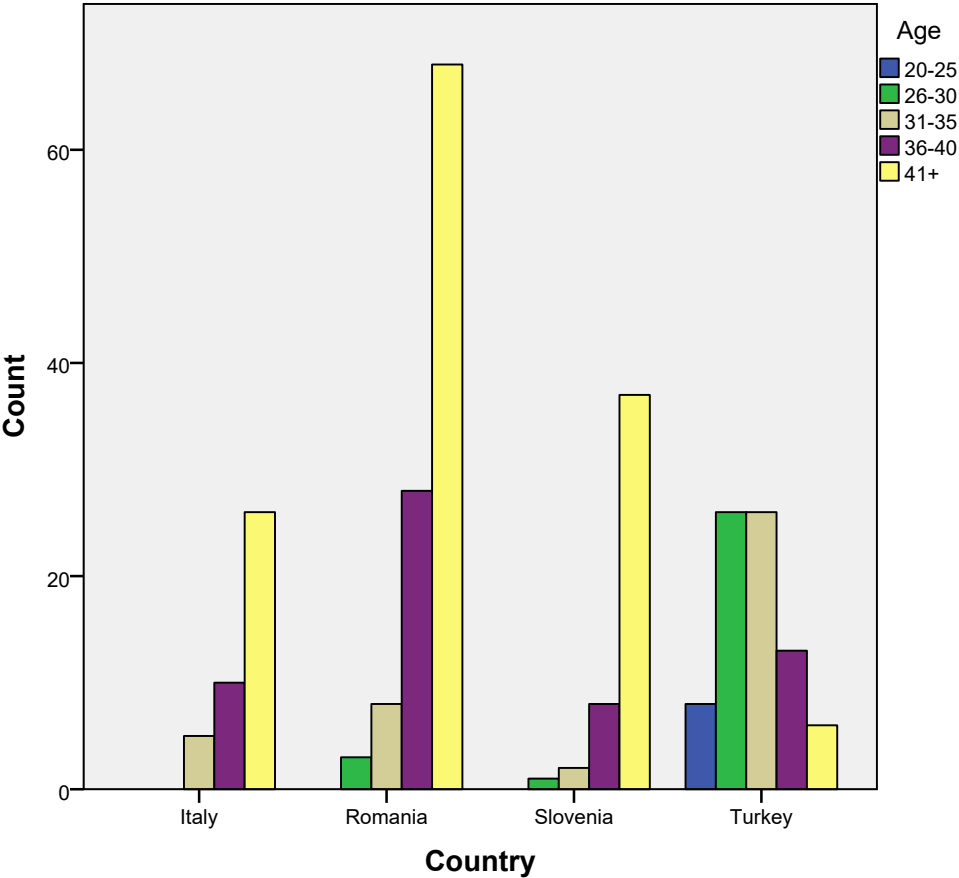
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * Age	275	100,0%	0	0,0%	275	100,0%

Country * Age Crosstabulation

Count

		Age					Total
		20-25	26-30	31-35	36-40	41+	
Country	Italy	0	0	5	10	26	41
	Romania	0	3	8	28	68	107
	Slovenia	0	1	2	8	37	48
	Turkey	8	26	26	13	6	79
Total		8	30	41	59	137	275

Bar Chart



Crosstabs

Notes

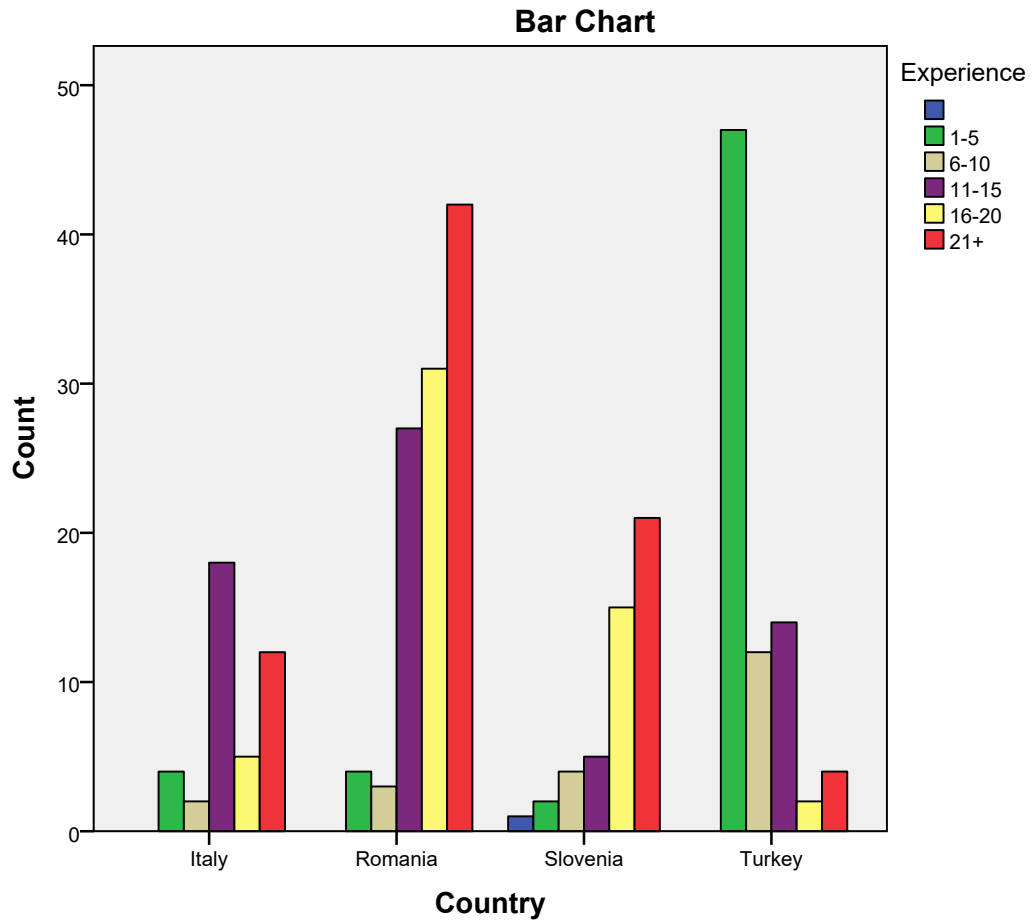
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Comments		
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY Experience /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.	
Resources	Processor Time	00:00:00,16
	Elapsed Time	00:00:00,12
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * Experience	275	100,0%	0	0,0%	275	100,0%

Country * Experience Crosstabulation

Count		Experience					Total	
		1-5	6-10	11-15	16-20	21+		
Country	Italy	0	4	2	18	5	12	41
	Romania	0	4	3	27	31	42	107
	Slovenia	1	2	4	5	15	21	48
	Turkey	0	47	12	14	2	4	79
Total		1	57	21	64	53	79	275



Crosstabs

Notes

Output Created	26-MAR-2018 09:21:20	
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_pro cessed.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY EducationLevel /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.	
Resources	Processor Time	00:00:00,23
	Elapsed Time	00:00:00,13
	Dimensions Requested	2
	Cells Available	524245

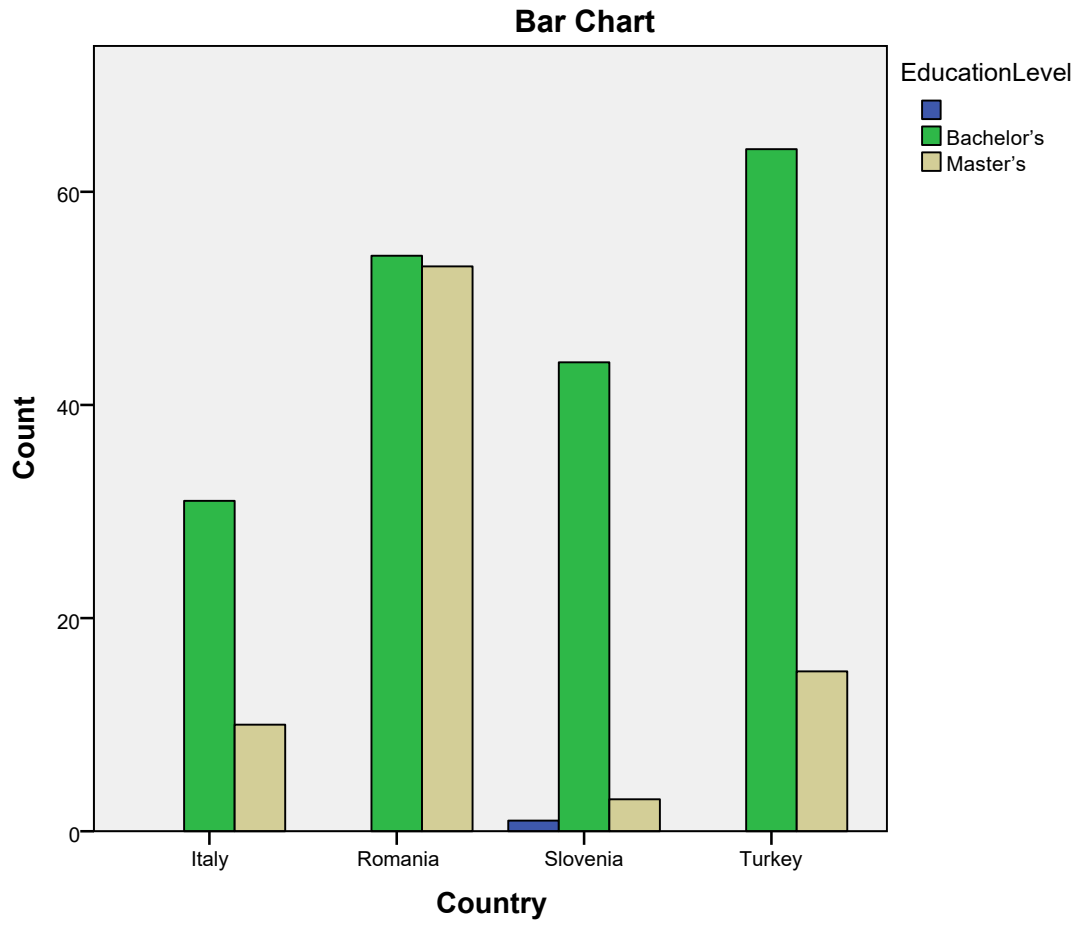
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * EducationLevel	275	100,0%	0	0,0%	275	100,0%

Country * EducationLevel Crosstabulation

Count

		EducationLevel			Total
			Bachelor's	Master's	
Country	Italy	0	31	10	41
	Romania	0	54	53	107
	Slovenia	1	44	3	48
	Turkey	0	64	15	79
Total		1	193	81	275



Crosstabs

Notes

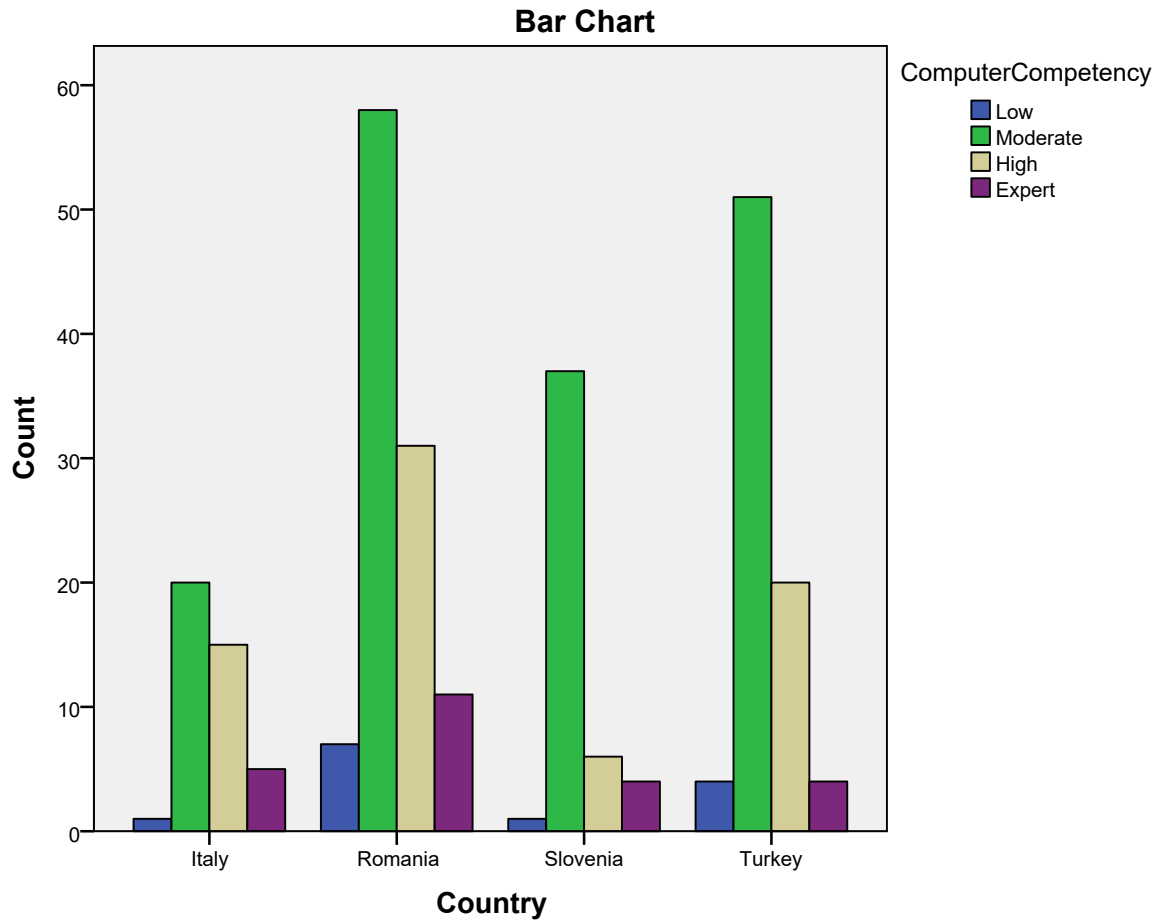
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Comments		
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	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY ComputerCompetency /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.	
Resources	Processor Time	00:00:00,17
	Elapsed Time	00:00:00,14
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country *	275	100,0%	0	0,0%	275	100,0%
ComputerCompetency						

Country * ComputerCompetency Crosstabulation

Count		ComputerCompetency				Total
		Low	Moderate	High	Expert	
Country	Italy	1	20	15	5	41
	Romania	7	58	31	11	107
	Slovenia	1	37	6	4	48
	Turkey	4	51	20	4	79
Total		13	166	72	24	275



Crosstabs

Notes

Output Created	26-MAR-2018 09:35:03	
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY HowOftenUseComputer /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.
Resources	Processor Time	00:00:00,19
	Elapsed Time	00:00:00,12
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	Cells Available	524245

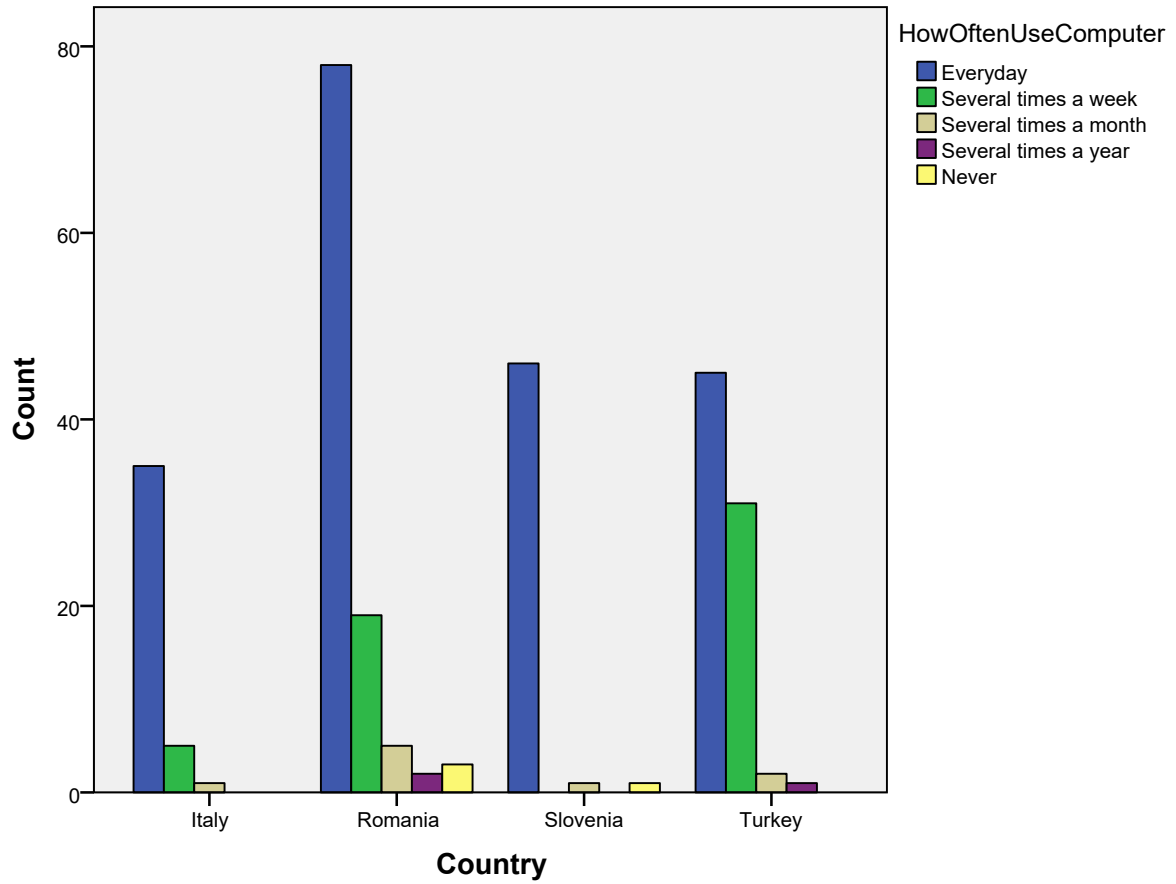
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country *	275	100,0%	0	0,0%	275	100,0%
HowOftenUseComputer						

Country * HowOftenUseComputer Crosstabulation

Count		HowOftenUseComputer					Total
		Everyday	Several times a week	Several times a month	Several times a year	Never	
Country	Italy	35	5	1	0	0	41
	Romania	78	19	5	2	3	107
	Slovenia	46	0	1	0	1	48
	Turkey	45	31	2	1	0	79
Total		204	55	9	3	4	275

Bar Chart



Crosstabs

Notes

Output Created	26-MAR-2018 09:36:33	
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\Publish\ErasmusProjeMEB_EzgiHocalar\Data\Pre\dataSetAll230318_processed.sav
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	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY IWBinSchool /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.
Resources	Processor Time	00:00:00,19
	Elapsed Time	00:00:00,13
	Dimensions Requested	2
	Cells Available	524245

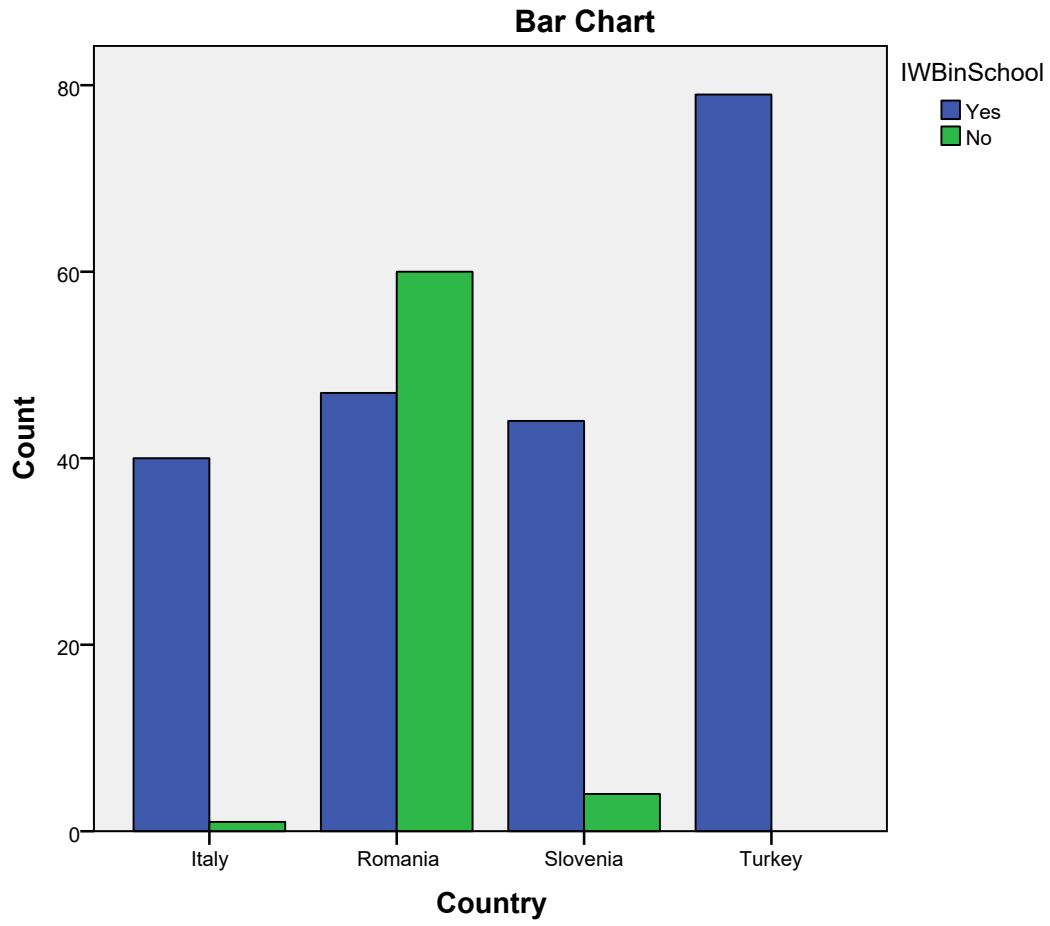
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * IWBinSchool	275	100,0%	0	0,0%	275	100,0%

Country * IWBinSchool Crosstabulation

Count

		IWBinSchool		Total
		Yes	No	
Country	Italy	40	1	41
	Romania	47	60	107
	Slovenia	44	4	48
	Turkey	79	0	79
Total		210	65	275



Crosstabs

Notes

Output Created	26-MAR-2018 09:37:48	
Comments		
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	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY Computer VariousSoftware SocialNetworks RadioRecorderVidePlayer TabletPCs Internet ProjectionDevices /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.
Resources	Processor Time	00:00:01,08
	Elapsed Time	00:00:00,74
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

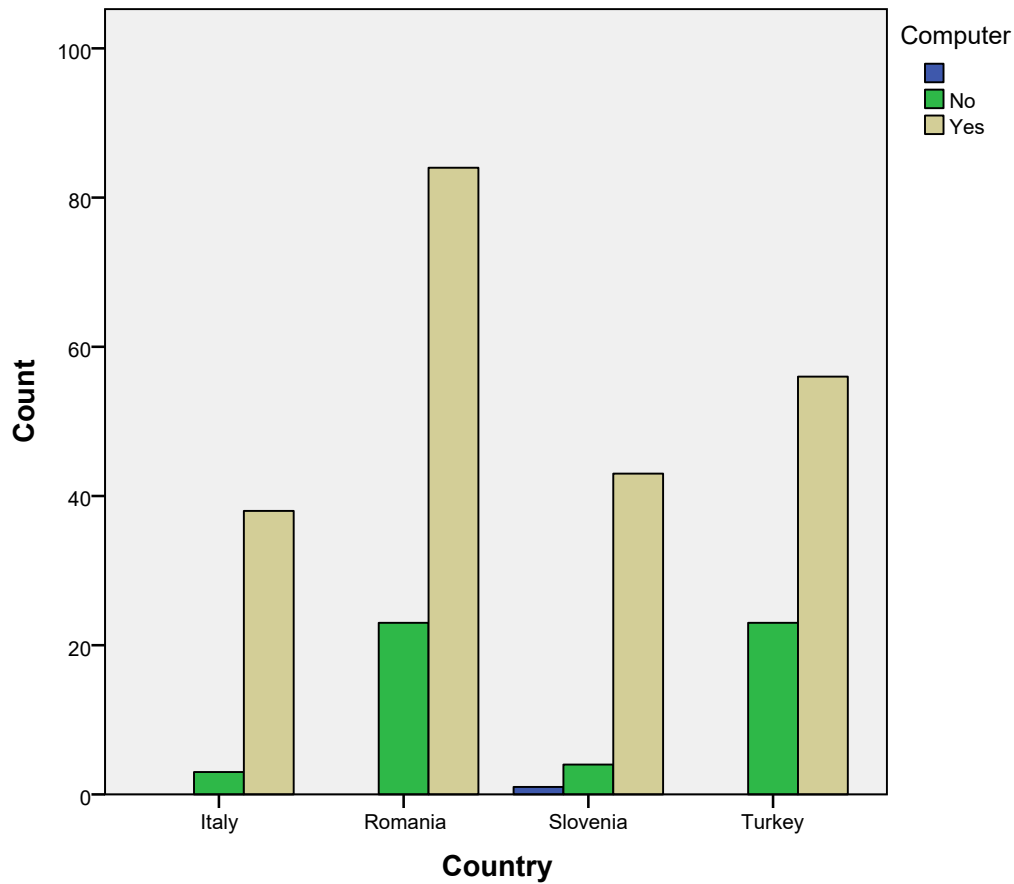
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * Computer	275	100,0%	0	0,0%	275	100,0%
Country * VariousSoftware	275	100,0%	0	0,0%	275	100,0%
Country * SocialNetworks	275	100,0%	0	0,0%	275	100,0%
Country * RadioRecorderVidePlayer	275	100,0%	0	0,0%	275	100,0%
Country * TabletPCs	275	100,0%	0	0,0%	275	100,0%
Country * Internet	275	100,0%	0	0,0%	275	100,0%
Country * ProjectionDevices	275	100,0%	0	0,0%	275	100,0%

Country * Computer Crosstabulation

Count

		Computer			Total
			No	Yes	
Country	Italy	0	3	38	41
	Romania	0	23	84	107
	Slovenia	1	4	43	48
	Turkey	0	23	56	79
Total		1	53	221	275

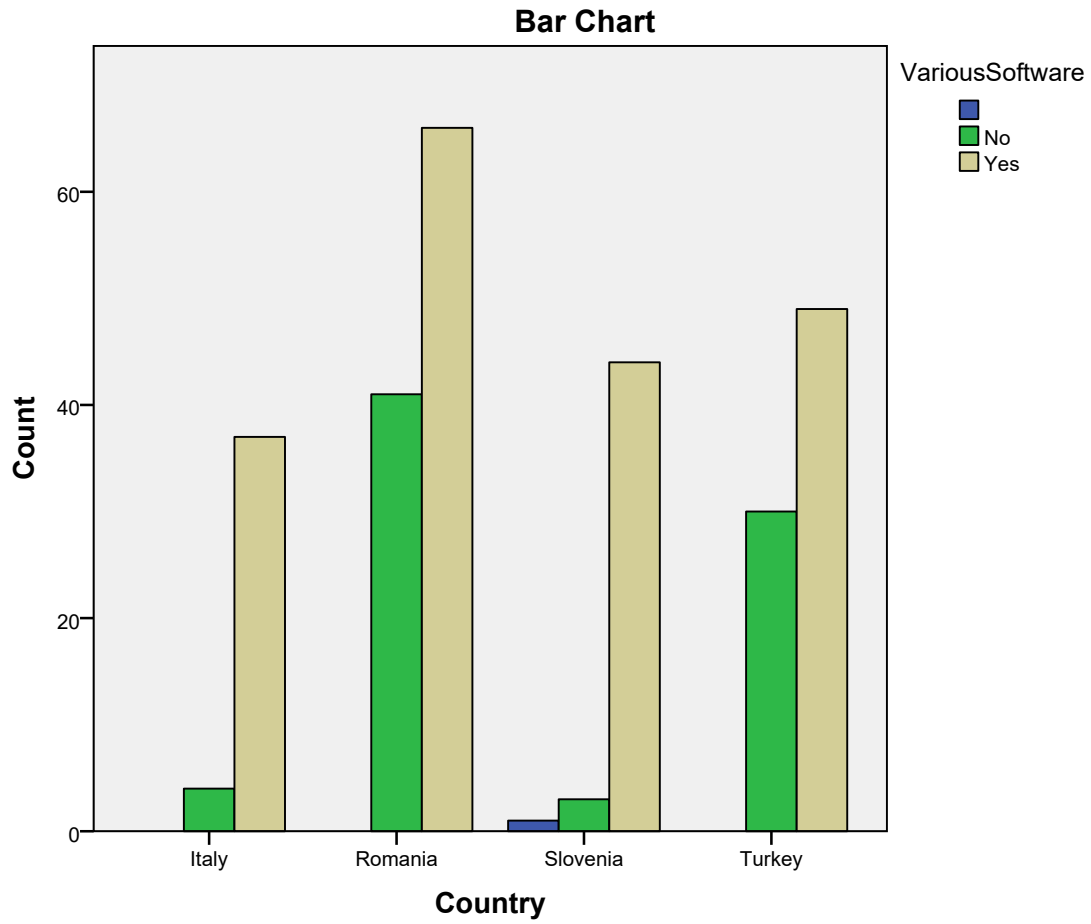
Bar Chart



Country * VariousSoftware Crosstabulation

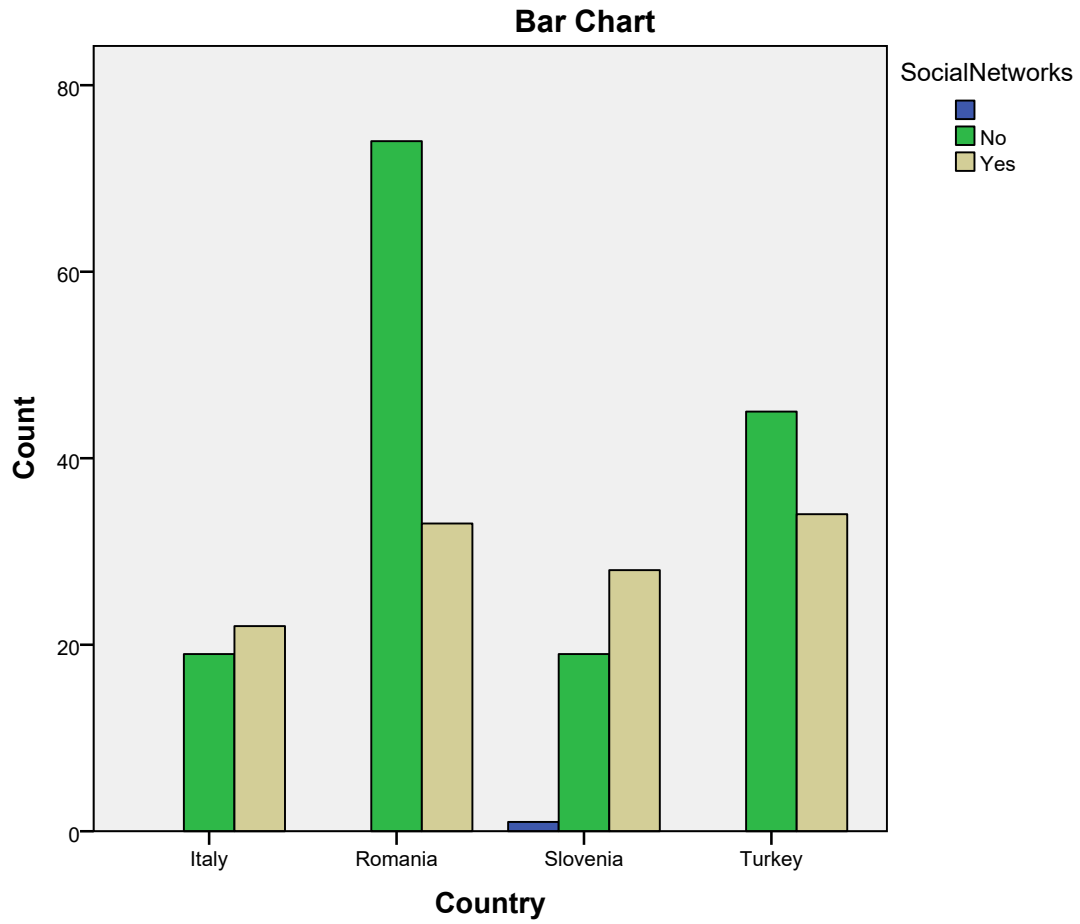
Count

		VariousSoftware			Total
			No	Yes	
Country	Italy	0	4	37	41
	Romania	0	41	66	107
	Slovenia	1	3	44	48
	Turkey	0	30	49	79
Total		1	78	196	275



Country * SocialNetworks Crosstabulation

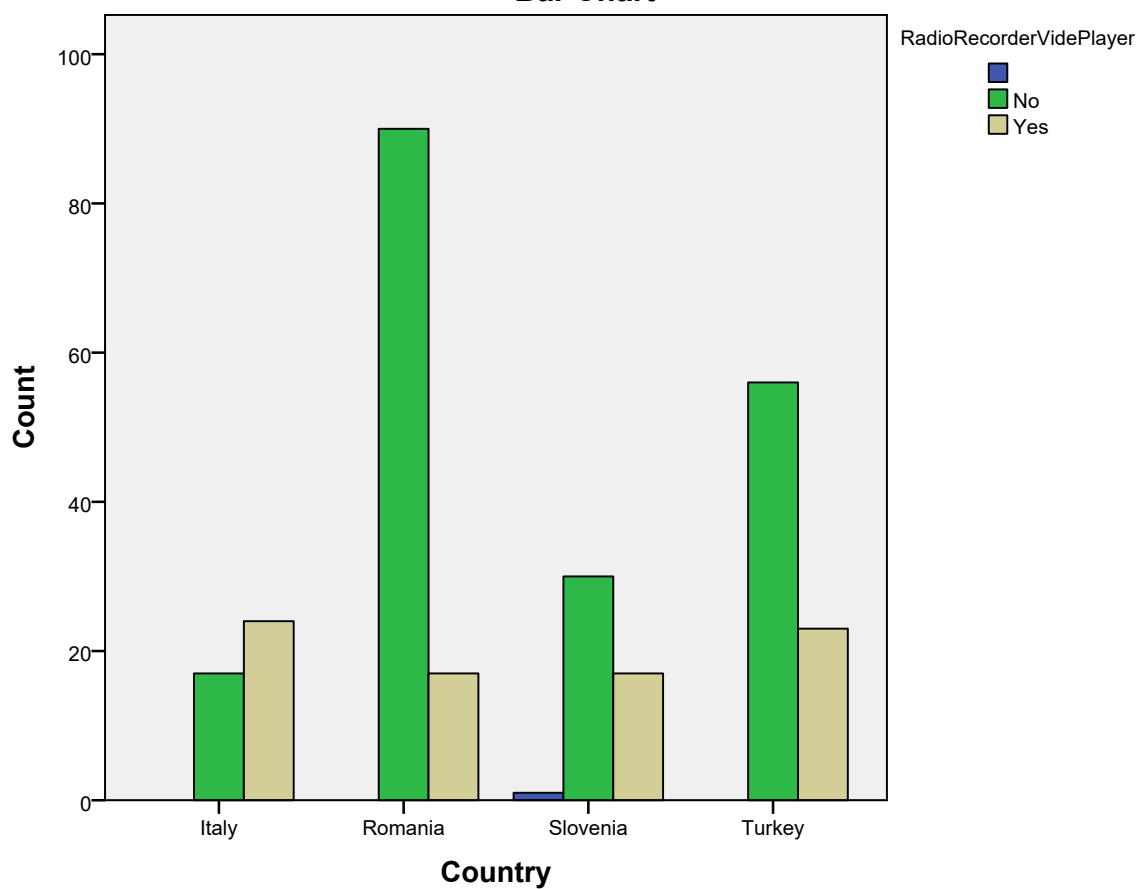
		SocialNetworks			Total
			No	Yes	
Country	Italy	0	19	22	41
	Romania	0	74	33	107
	Slovenia	1	19	28	48
	Turkey	0	45	34	79
Total		1	157	117	275



Country * RadioRecorderVidePlayer Crosstabulation

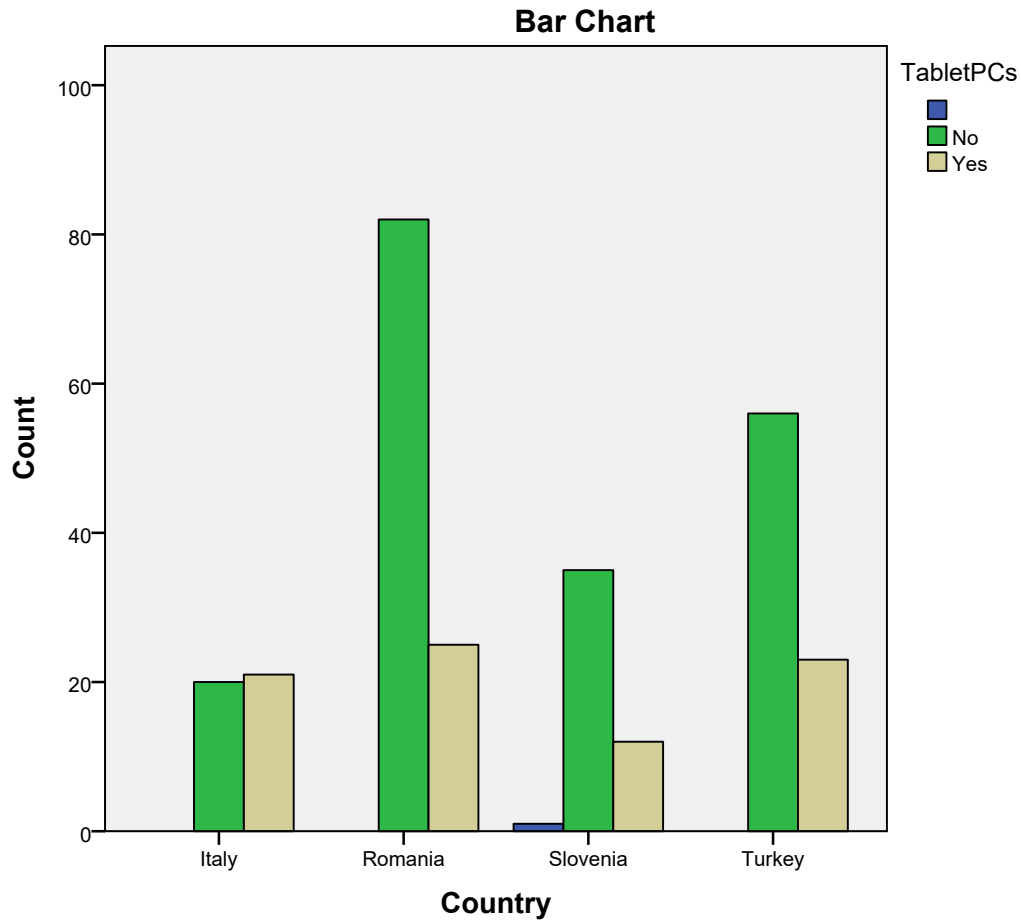
		RadioRecorderVidePlayer			Total
			No	Yes	
Country	Italy	0	17	24	41
	Romania	0	90	17	107
	Slovenia	1	30	17	48
	Turkey	0	56	23	79
Total		1	193	81	275

Bar Chart



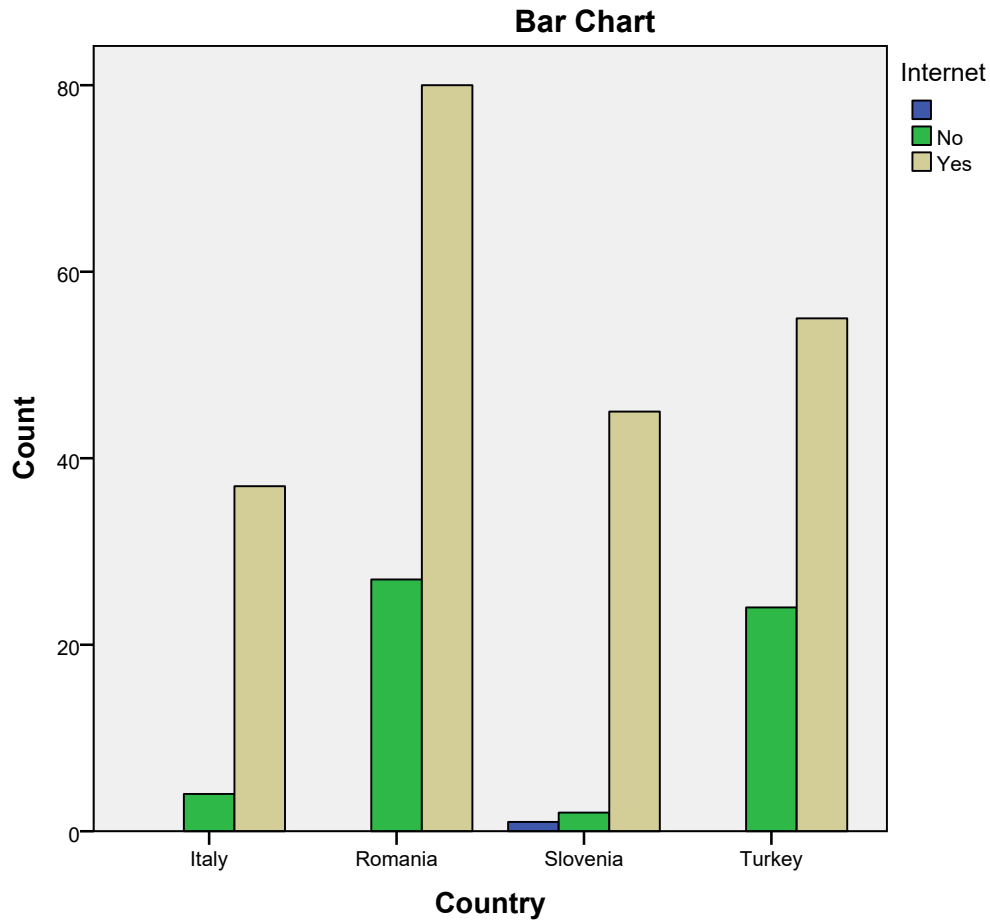
Country * TabletPCs Crosstabulation

		TabletPCs			Total
			No	Yes	
Country	Italy	0	20	21	41
	Romania	0	82	25	107
	Slovenia	1	35	12	48
	Turkey	0	56	23	79
Total		1	193	81	275



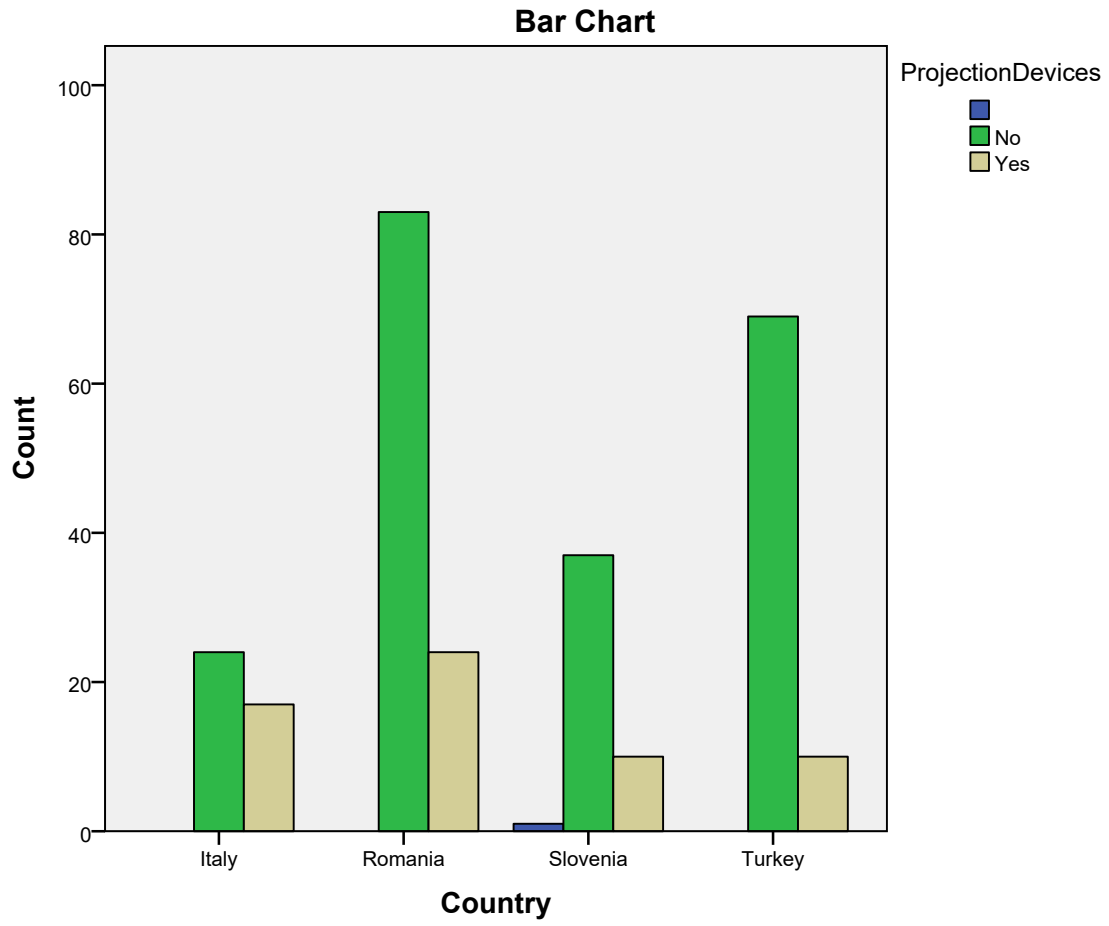
Country * Internet Crosstabulation

		Internet			Total
			No	Yes	
Country	Italy	0	4	37	41
	Romania	0	27	80	107
	Slovenia	1	2	45	48
	Turkey	0	24	55	79
Total		1	57	217	275



Country * ProjectionDevices Crosstabulation

		ProjectionDevices			Total
			No	Yes	
Country	Italy	0	24	17	41
	Romania	0	83	24	107
	Slovenia	1	37	10	48
	Turkey	0	69	10	79
Total		1	213	61	275



Crosstabs

Notes

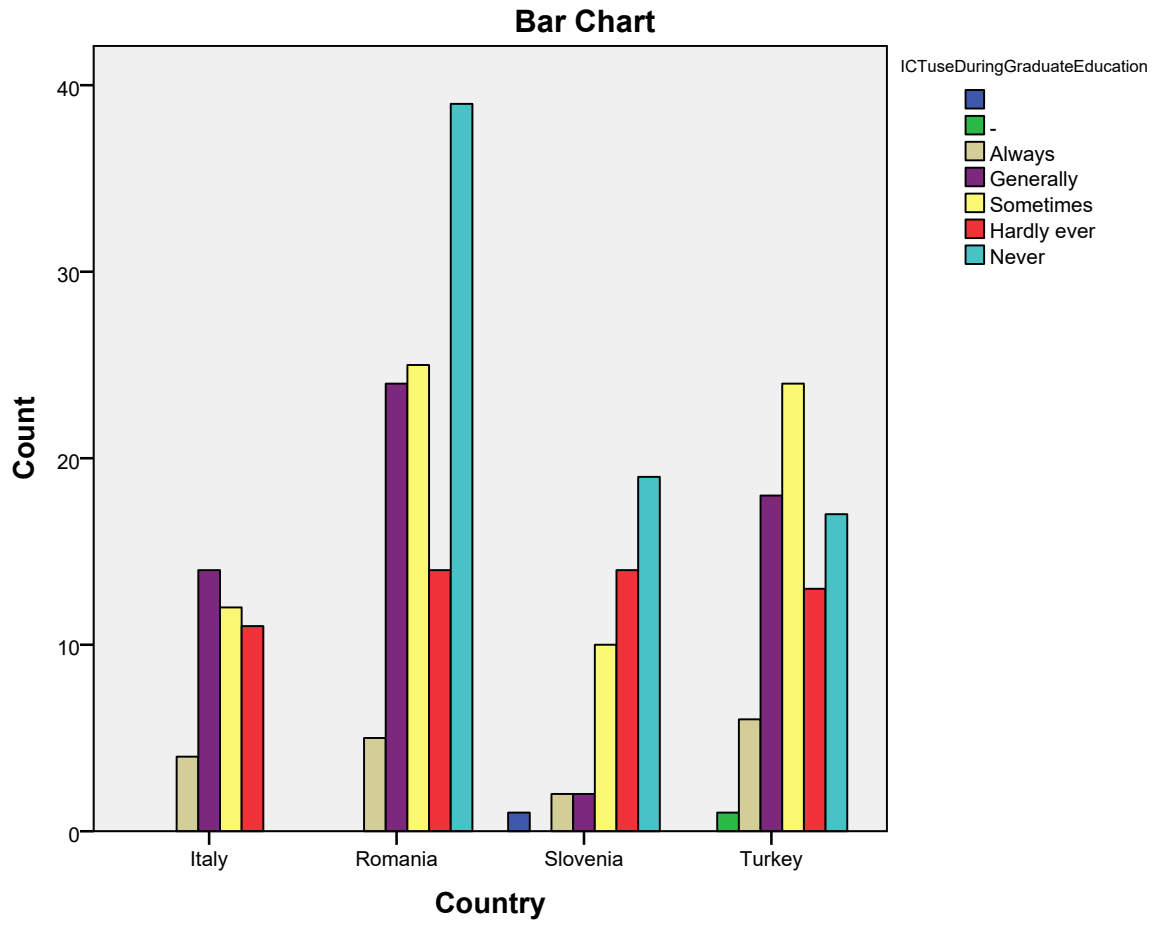
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY ITuseDuringGraduateEducation /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.	
Resources	Processor Time	00:00:00,19
	Elapsed Time	00:00:00,16
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * ITuseDuringGraduateEducation	275	100,0%	0	0,0%	275	100,0%

Country * ITuseDuringGraduateEducation Crosstabulation

Count		ITuseDuringGraduateEducation							Total
		-	Always	Generally	Sometimes	Hardly ever	Never		
Country	Italy	0	0	4	14	12	11	0	41
	Romania	0	0	5	24	25	14	39	107
	Slovenia	1	0	2	2	10	14	19	48
	Turkey	0	1	6	18	24	13	17	79
Total		1	1	17	58	71	52	75	275



Crosstabs

Notes

Output Created		26-MAR-2018 09:46:12
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY PerceptionOnICTpreparationDuring GraduateEducation /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.
Resources	Processor Time	00:00:00,14
	Elapsed Time	00:00:00,12
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

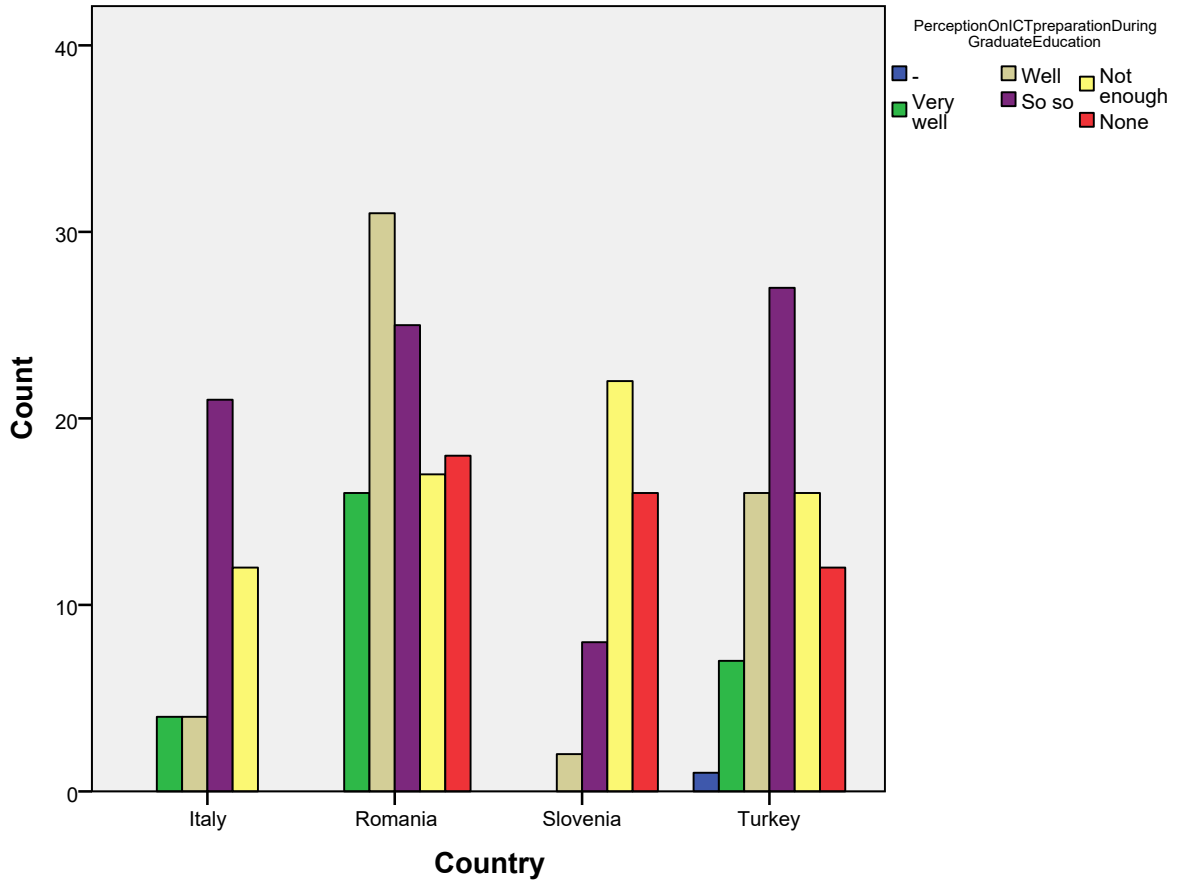
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * PerceptionOnICTpreparation DuringGraduateEducation	275	100,0%	0	0,0%	275	100,0%

Country * PerceptionOnICTpreparationDuringGraduateEducation Crosstabulation

Count

		PerceptionOnICTpreparationDuringGraduateEducation						Total
		-	Very well	Well	So so	Not enough	None	
Country	Italy	0	4	4	21	12	0	41
	Romania	0	16	31	25	17	18	107
	Slovenia	0	0	2	8	22	16	48
	Turkey	1	7	16	27	16	12	79
Total		1	27	53	81	67	46	275

Bar Chart



Crosstabs

Notes

Output Created	26-MAR-2018 09:49:19	
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY Taking_IT_Training /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.	
Resources	Processor Time	00:00:00,16
	Elapsed Time	00:00:00,13
	Dimensions Requested	2
	Cells Available	524245

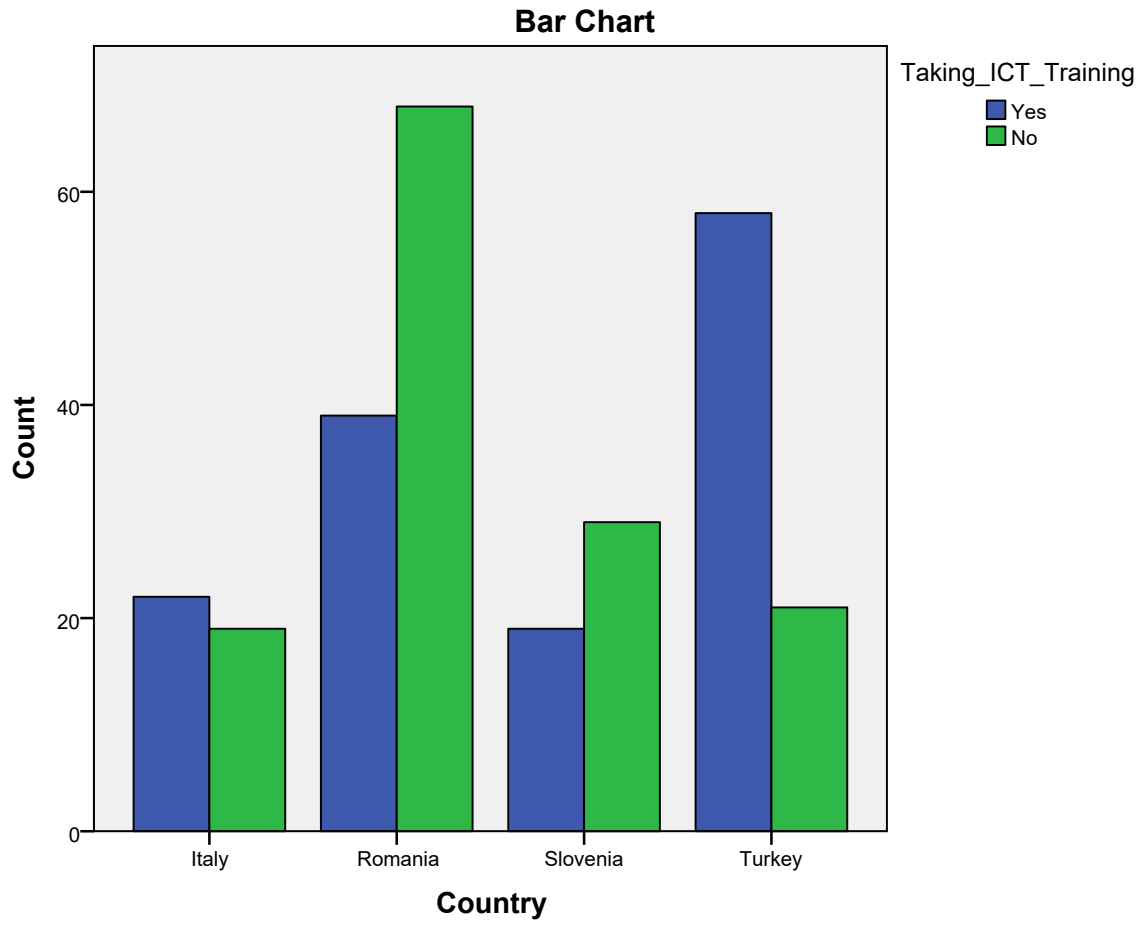
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * Taking_IT_Training	275	100,0%	0	0,0%	275	100,0%

Country * Taking_IT_Training Crosstabulation

Count

		Taking_IT_Training		Total
		Yes	No	
Country	Italy	22	19	41
	Romania	39	68	107
	Slovenia	19	29	48
	Turkey	58	21	79
Total		138	137	275



Crosstabs

Notes

Output Created	26-MAR-2018 09:49:57	
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY Perception_on_Training /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.
Resources	Processor Time	00:00:00,19
	Elapsed Time	00:00:00,15
	Dimensions Requested	2
	Cells Available	524245

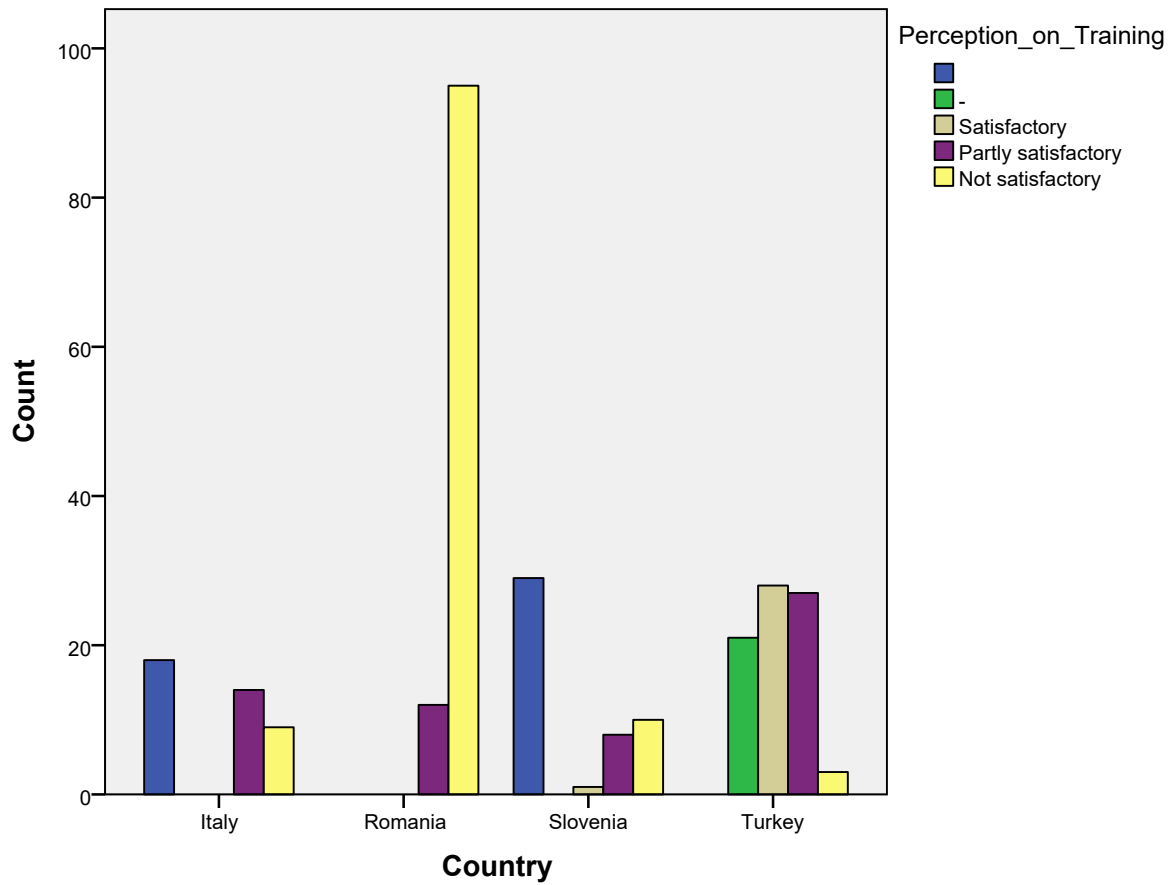
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country *	275	100,0%	0	0,0%	275	100,0%
Perception_on_Training						

Country * Perception_on_Training Crosstabulation

Count		Perception_on_Training					Total
		-	Satisfactory	Partly satisfactory	Not satisfactory		
Country	Italy	18	0	0	14	9	41
	Romania	0	0	0	12	95	107
	Slovenia	29	0	1	8	10	48
	Turkey	0	21	28	27	3	79
Total		47	21	29	61	117	275

Bar Chart



Crosstabs

Notes

Output Created	26-MAR-2018 09:53:11	
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY Taking_Training_on_Use_in_Course /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.
Resources	Processor Time	00:00:00,11
	Elapsed Time	00:00:00,10
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

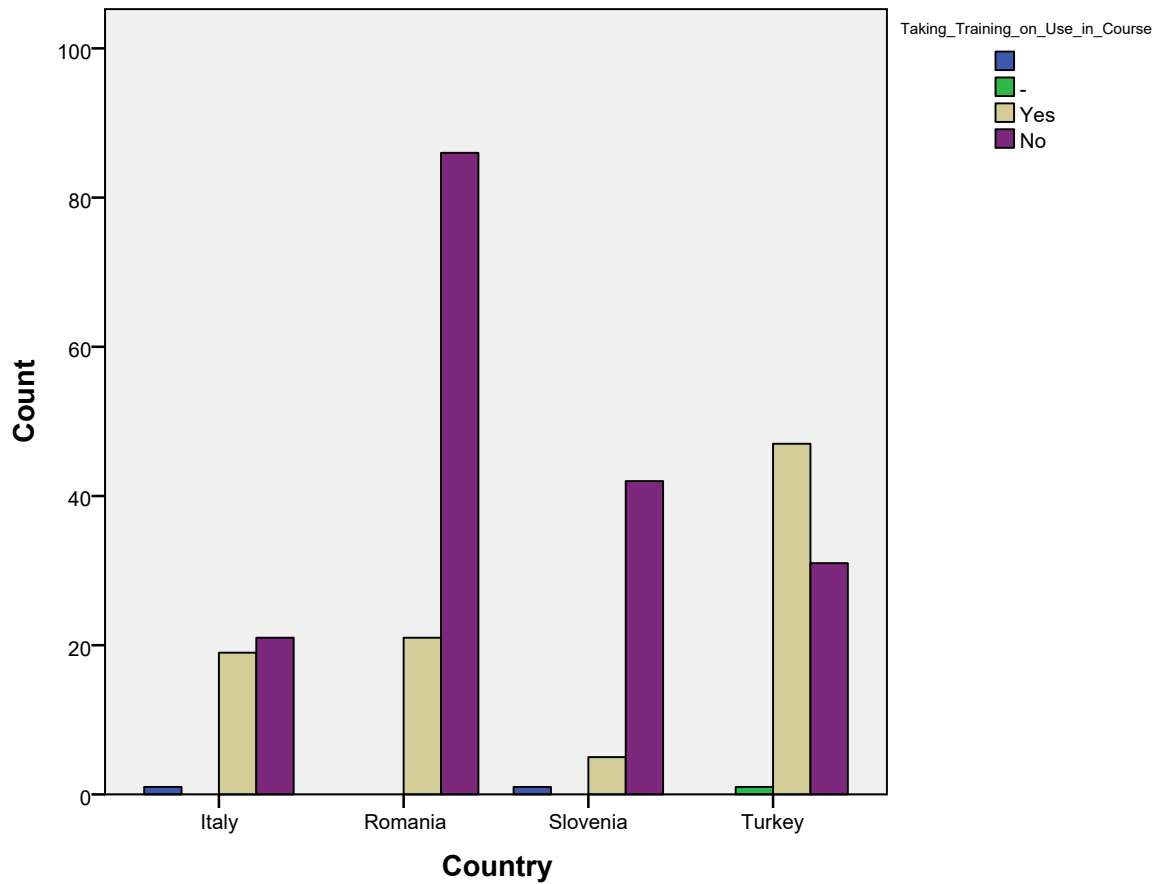
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country *						
Taking_Training_on_Use_in_Course	275	100,0%	0	0,0%	275	100,0%

Country * Taking_Training_on_Use_in_Course Crosstabulation

Count

		Taking_Training_on_Use_in_Course				Total
		-	Yes	No		
Country	Italy	1	0	19	21	41
	Romania	0	0	21	86	107
	Slovenia	1	0	5	42	48
	Turkey	0	1	47	31	79
Total		2	1	92	180	275

Bar Chart



Crosstabs

Notes

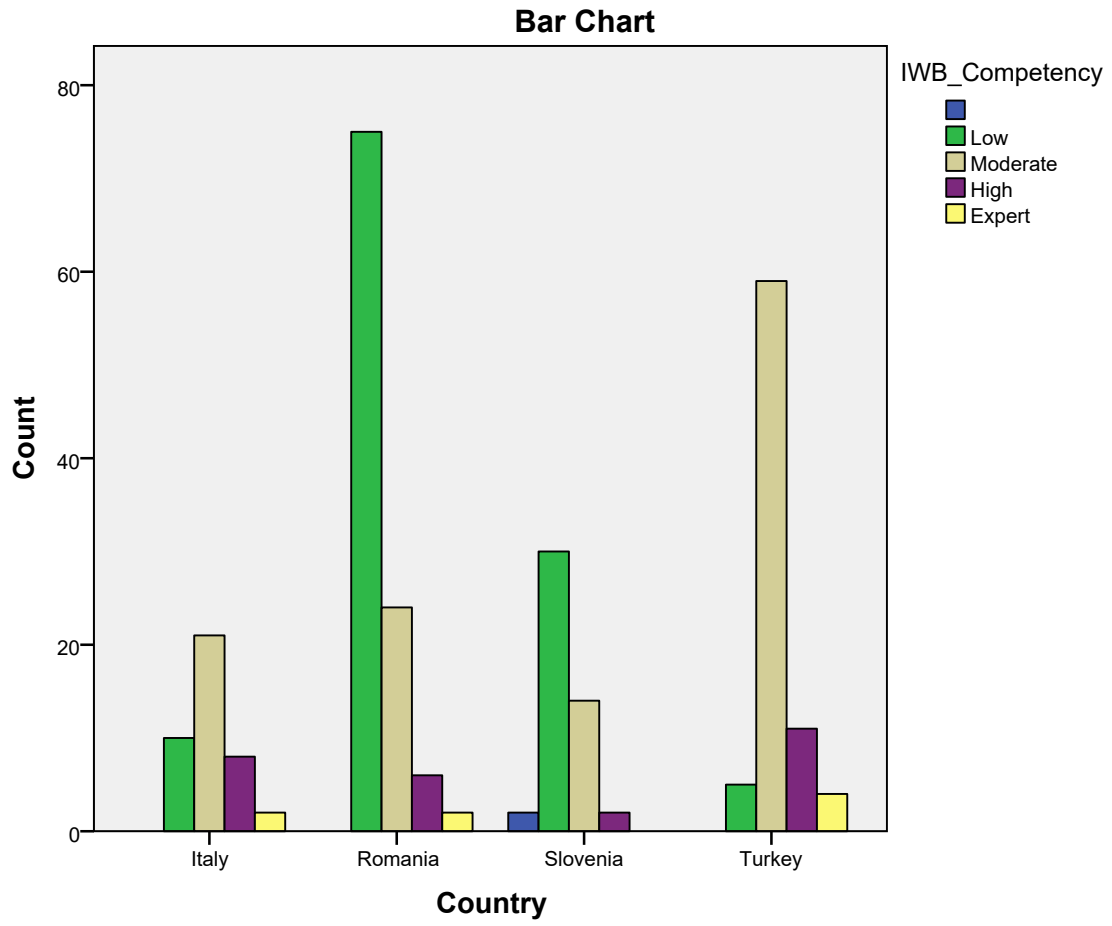
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	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY IWB_Competency /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARChart.	
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	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * IWB_Competency	275	100,0%	0	0,0%	275	100,0%

Country * IWB_Competency Crosstabulation

Count		IWB_Competency					Total
		Low	Moderate	High	Expert		
Country	Italy	0	10	21	8	2	41
	Romania	0	75	24	6	2	107
	Slovenia	2	30	14	2	0	48
	Turkey	0	5	59	11	4	79
Total		2	120	118	27	8	275



Crosstabs

Notes

Output Created	26-MAR-2018 09:55:37	
Comments		
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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY IWB_Use_Frequency /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.
Resources	Processor Time	00:00:00,14
	Elapsed Time	00:00:00,11
	Dimensions Requested	2
	Cells Available	524245

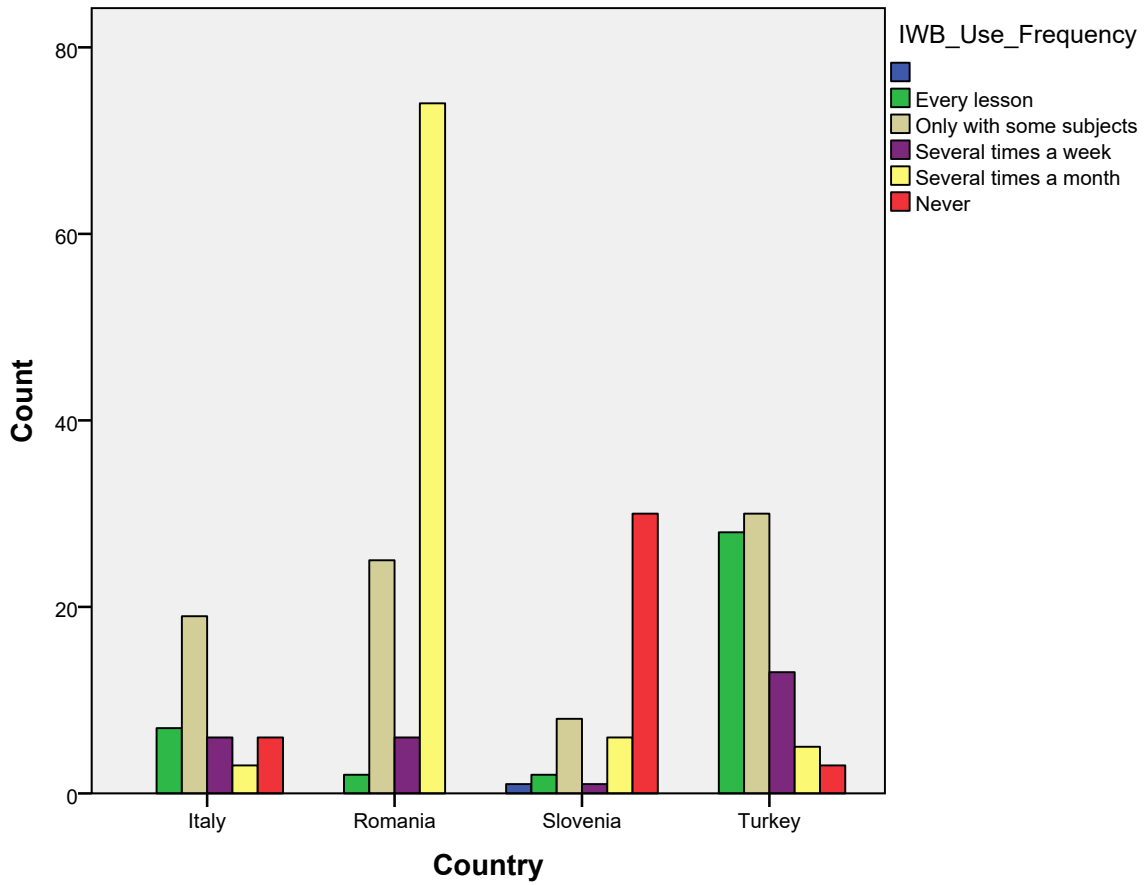
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country *	275	100,0%	0	0,0%	275	100,0%
IWB_Use_Frequency						

Country * IWB_Use_Frequency Crosstabulation

Count		IWB_Use_Frequency						Total
		Every lesson	Only with some subjects	Several times a week	Several times a month	Never		
Country	Italy	0	7	19	6	3	6	41
	Romania	0	2	25	6	74	0	107
	Slovenia	1	2	8	1	6	30	48
	Turkey	0	28	30	13	5	3	79
Total		1	39	82	26	88	39	275

Bar Chart



Crosstabs

Notes

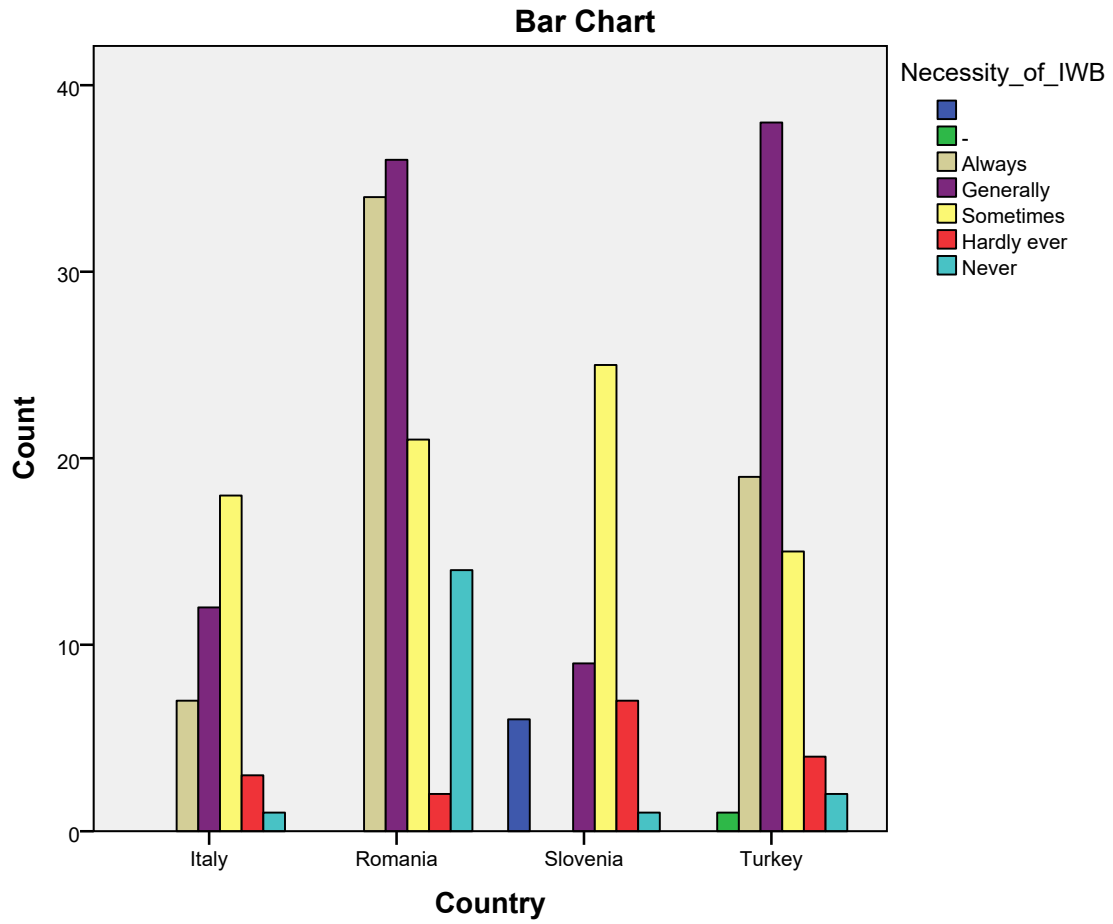
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Comments		
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	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax	CROSSTABS /TABLES=Country BY Necessity_of_IWB /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.	
Resources	Processor Time	00:00:00,34
	Elapsed Time	00:00:00,15
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * Necessity_of_IWB	275	100,0%	0	0,0%	275	100,0%

Country * Necessity_of_IWB Crosstabulation

Count		Necessity_of_IWB							Total
		-	Always	Generally	Sometimes	Hardly ever	Never		
Country	Italy	0	0	7	12	18	3	1	41
	Romania	0	0	34	36	21	2	14	107
	Slovenia	6	0	0	9	25	7	1	48
	Turkey	0	1	19	38	15	4	2	79
Total		6	1	60	95	79	16	18	275



Crosstabs

Notes

Output Created	26-MAR-2018 09:58:33	
Comments		
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Country BY Phase_IWB_Use_in_Class /FORMAT=AVALUE TABLES /CELLS=COUNT /COUNT ROUND CELL /BARCHART.
Resources	Processor Time	00:00:00,13
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	Cells Available	524245

Case Processing Summary

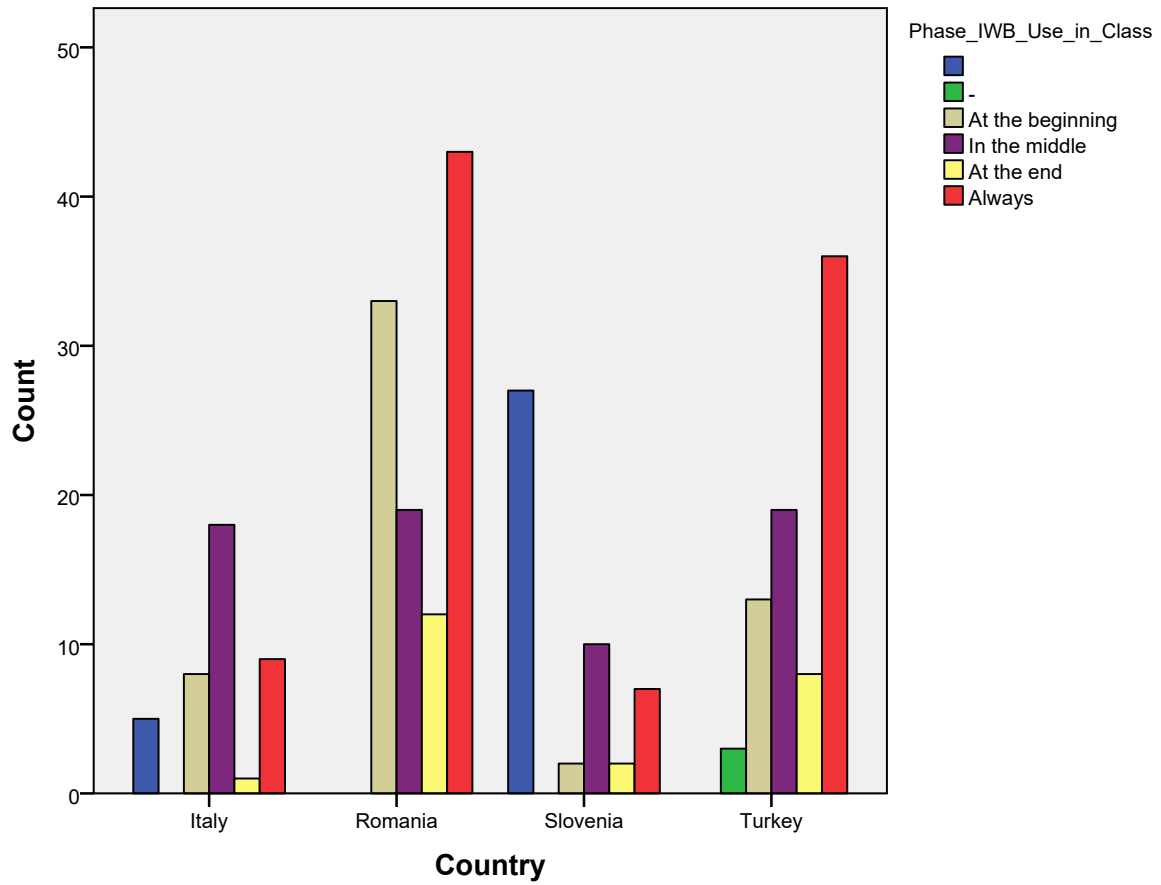
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country *						
Phase_IWB_Use_in_Class	275	100,0%	0	0,0%	275	100,0%

Country * Phase_IWB_Use_in_Class Crosstabulation

Count

		Phase_IWB_Use_in_Class						Total
		-	At the beginning	In the middle	At the end	Always		
Country	Italy	5	0	8	18	1	9	41
	Romania	0	0	33	19	12	43	107
	Slovenia	27	0	2	10	2	7	48
	Turkey	0	3	13	19	8	36	79
Total		32	3	56	66	23	95	275

Bar Chart



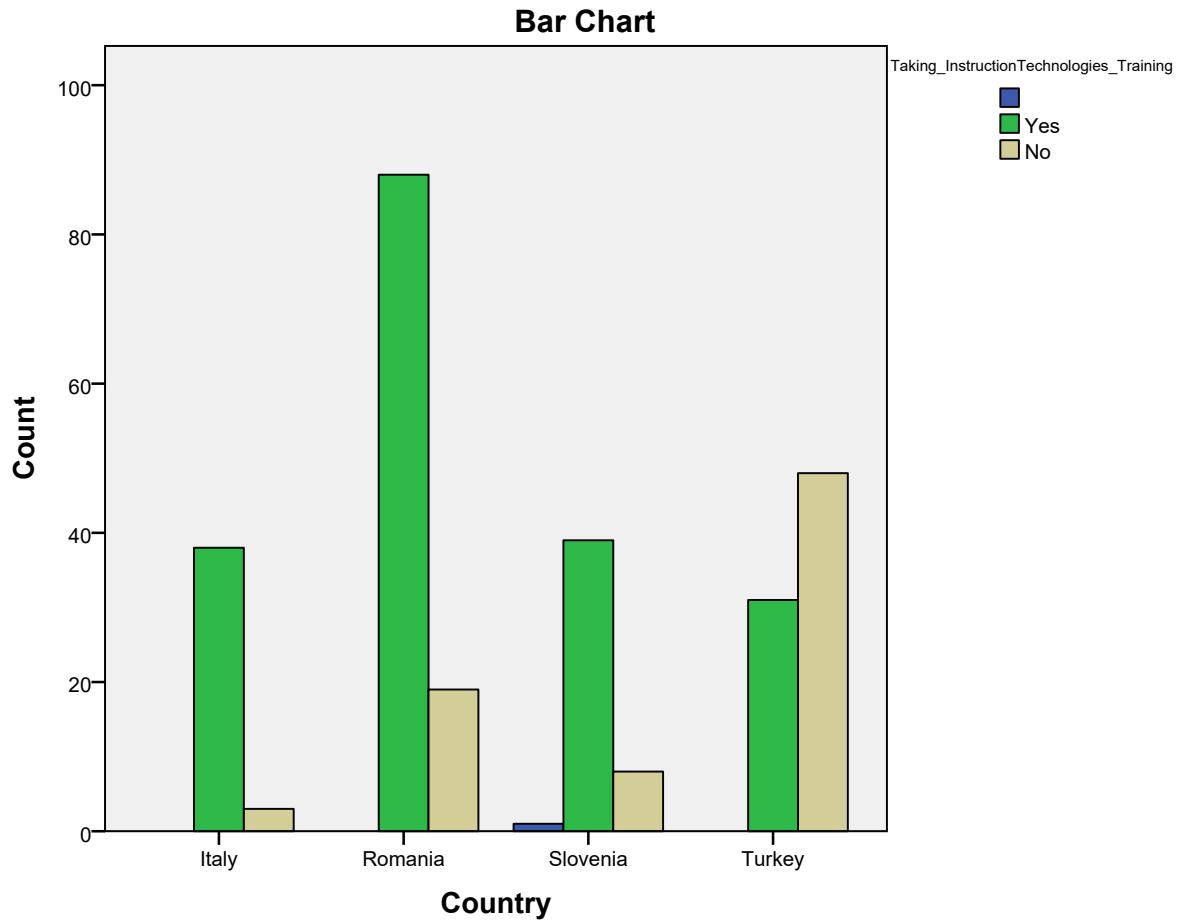
Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Country * Taking_InstructionTechnologies_Training	275	100,0%	0	0,0%	275	100,0%
Country * Perception_on_TrainingIT	275	100,0%	0	0,0%	275	100,0%
Country * Taking_Training_on_Use_in_CourseIT	275	100,0%	0	0,0%	275	100,0%
Country * IT_Competyency	275	100,0%	0	0,0%	275	100,0%
Country * IT_Use_Frequency	275	100,0%	0	0,0%	275	100,0%
Country * Necessity_of_IT	275	100,0%	0	0,0%	275	100,0%
Country * Phase_IT_Use_in_Class	275	100,0%	0	0,0%	275	100,0%

Country * Taking_InstructionTechnologies_Training Crosstabulation

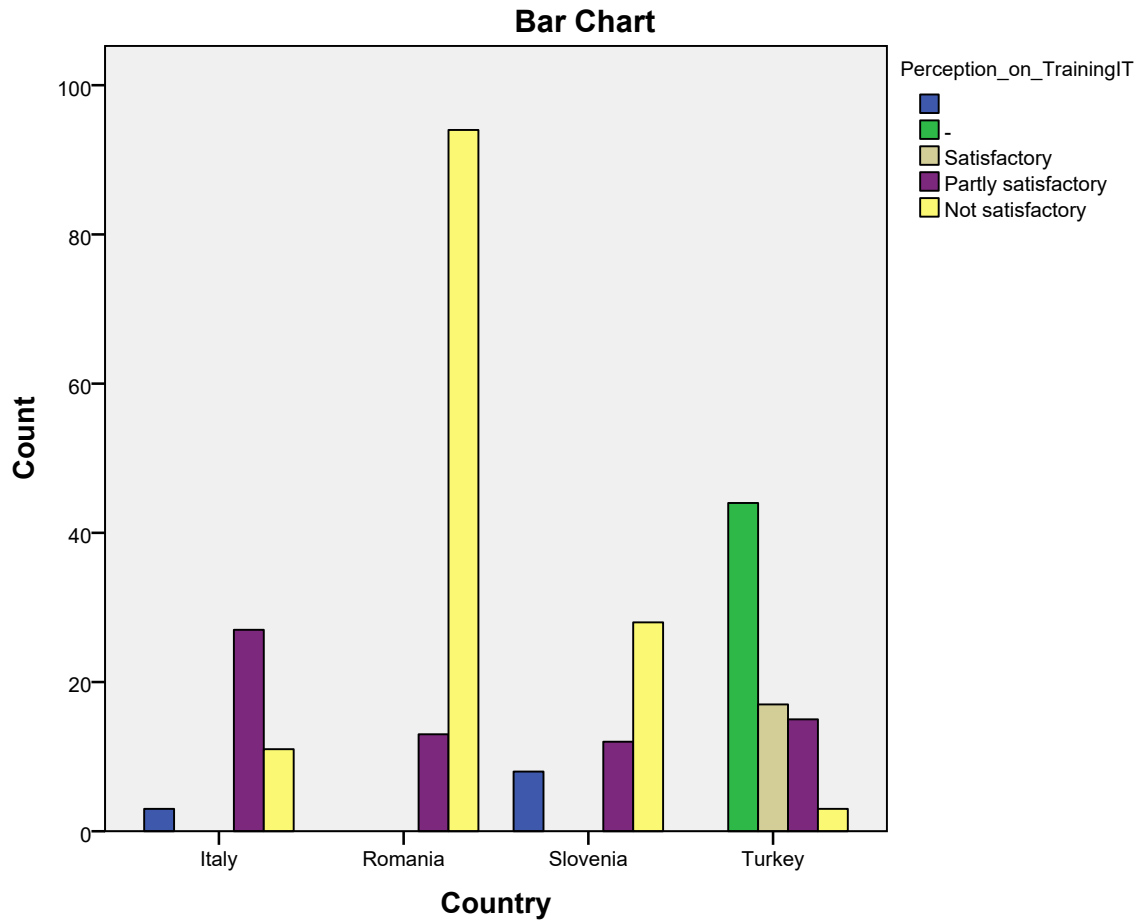
Count

		Taking_InstructionTechnologies_Training			Total
			Yes	No	
Country	Italy	0	38	3	41
	Romania	0	88	19	107
	Slovenia	1	39	8	48
	Turkey	0	31	48	79
Total		1	196	78	275



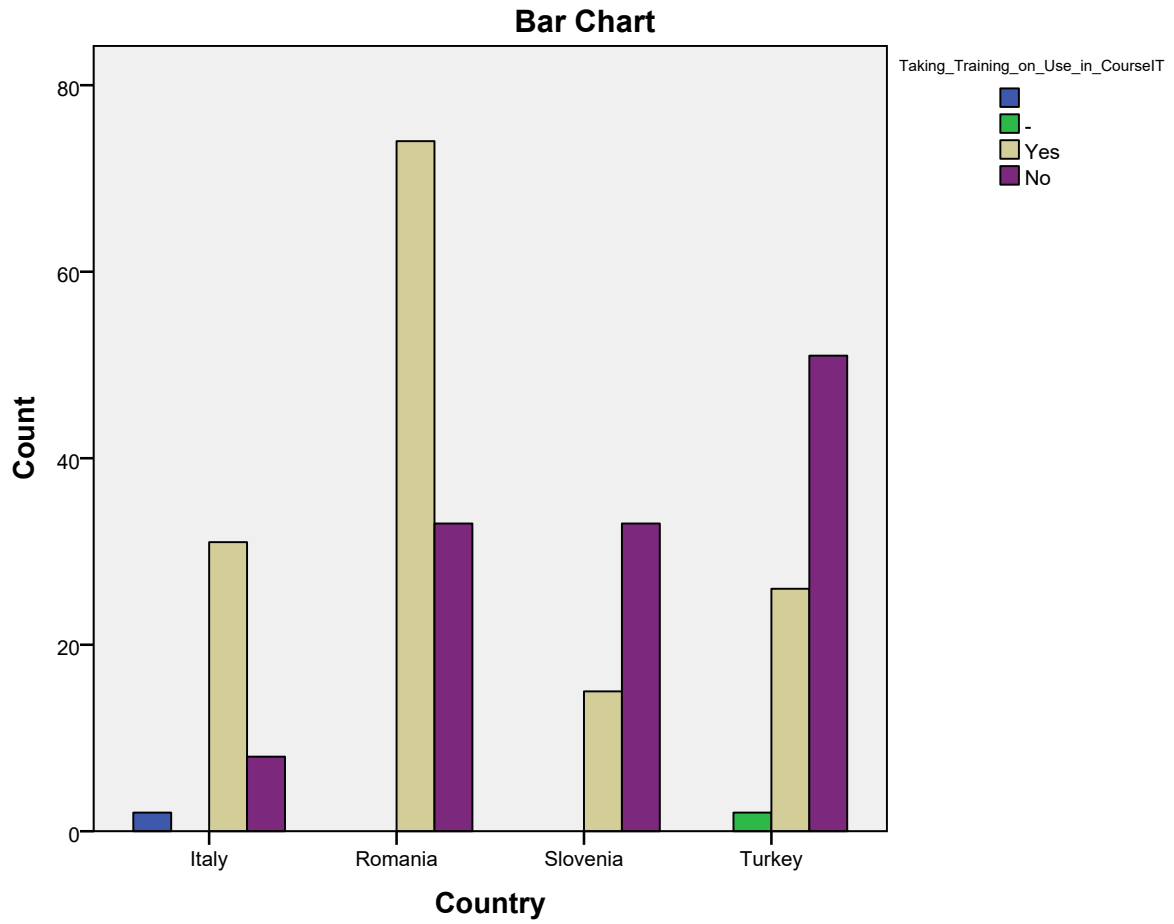
Country * Perception_on_TrainingIT Crosstabulation

Count		Perception_on_TrainingIT					Total
		-	Satisfactory	Partly satisfactory	Not satisfactory		
Country	Italy	3	0	0	27	11	41
	Romania	0	0	0	13	94	107
	Slovenia	8	0	0	12	28	48
	Turkey	0	44	17	15	3	79
Total		11	44	17	67	136	275



Country * Taking_Training_on_Use_in_CourseIT Crosstabulation

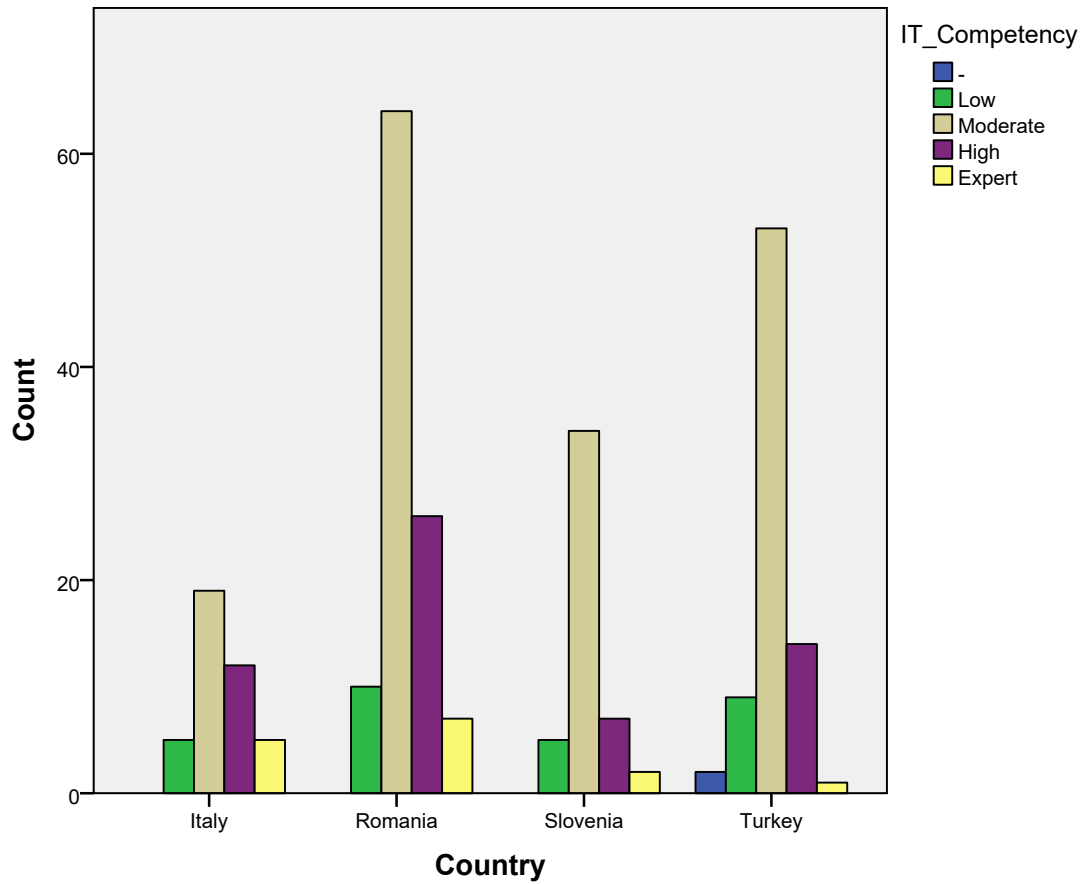
		Taking_Training_on_Use_in_CourseIT				Total
		-	Yes	No		
Country	Italy	2	0	31	8	41
	Romania	0	0	74	33	107
	Slovenia	0	0	15	33	48
	Turkey	0	2	26	51	79
Total		2	2	146	125	275



Country * IT_Competyency Crosstabulation

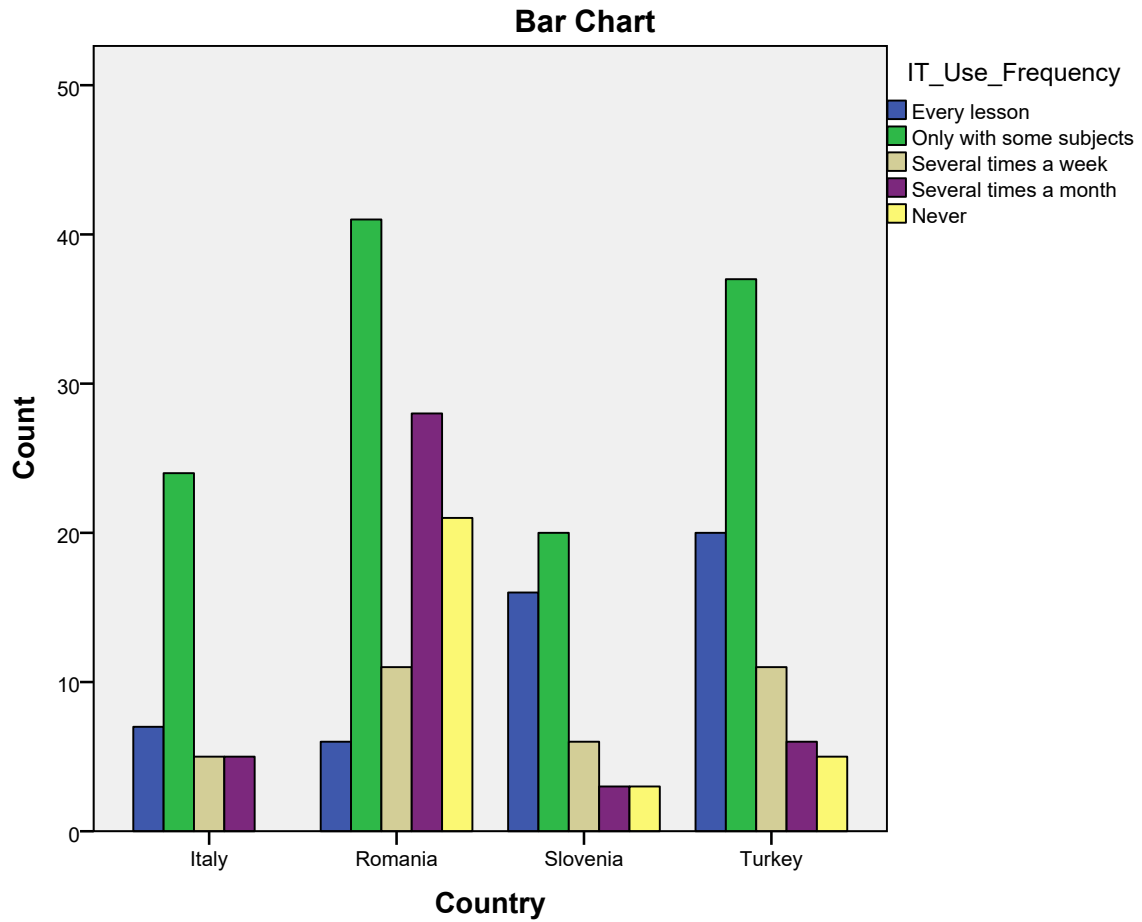
Count		IT_Competyency					Total
		-	Low	Moderate	High	Expert	
Country	Italy	0	5	19	12	5	41
	Romania	0	10	64	26	7	107
	Slovenia	0	5	34	7	2	48
	Turkey	2	9	53	14	1	79
Total		2	29	170	59	15	275

Bar Chart



Country * IT_Use_Frequency Crosstabulation

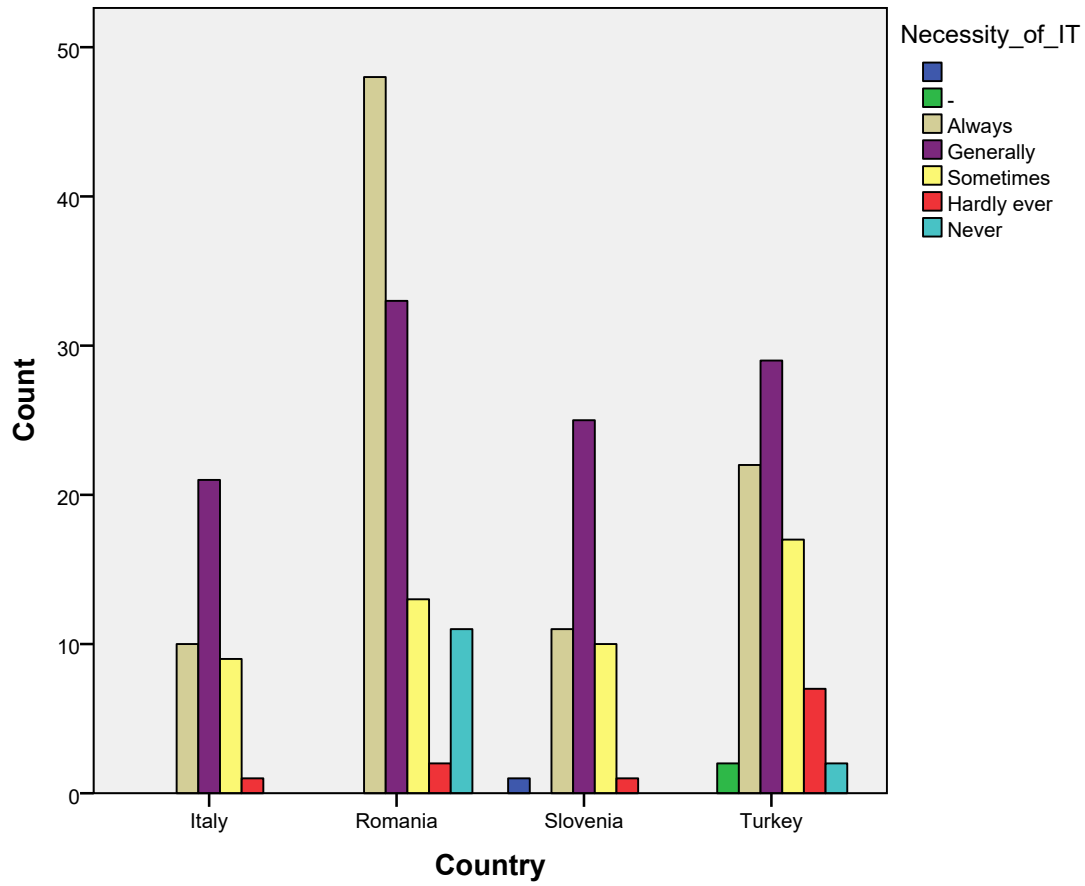
Count		IT_Use_Frequency					Total
		Every lesson	Only with some subjects	Several times a week	Several times a month	Never	
Country	Italy	7	24	5	5	0	41
	Romania	6	41	11	28	21	107
	Slovenia	16	20	6	3	3	48
	Turkey	20	37	11	6	5	79
Total		49	122	33	42	29	275



Country * Necessity_of_IT Crosstabulation

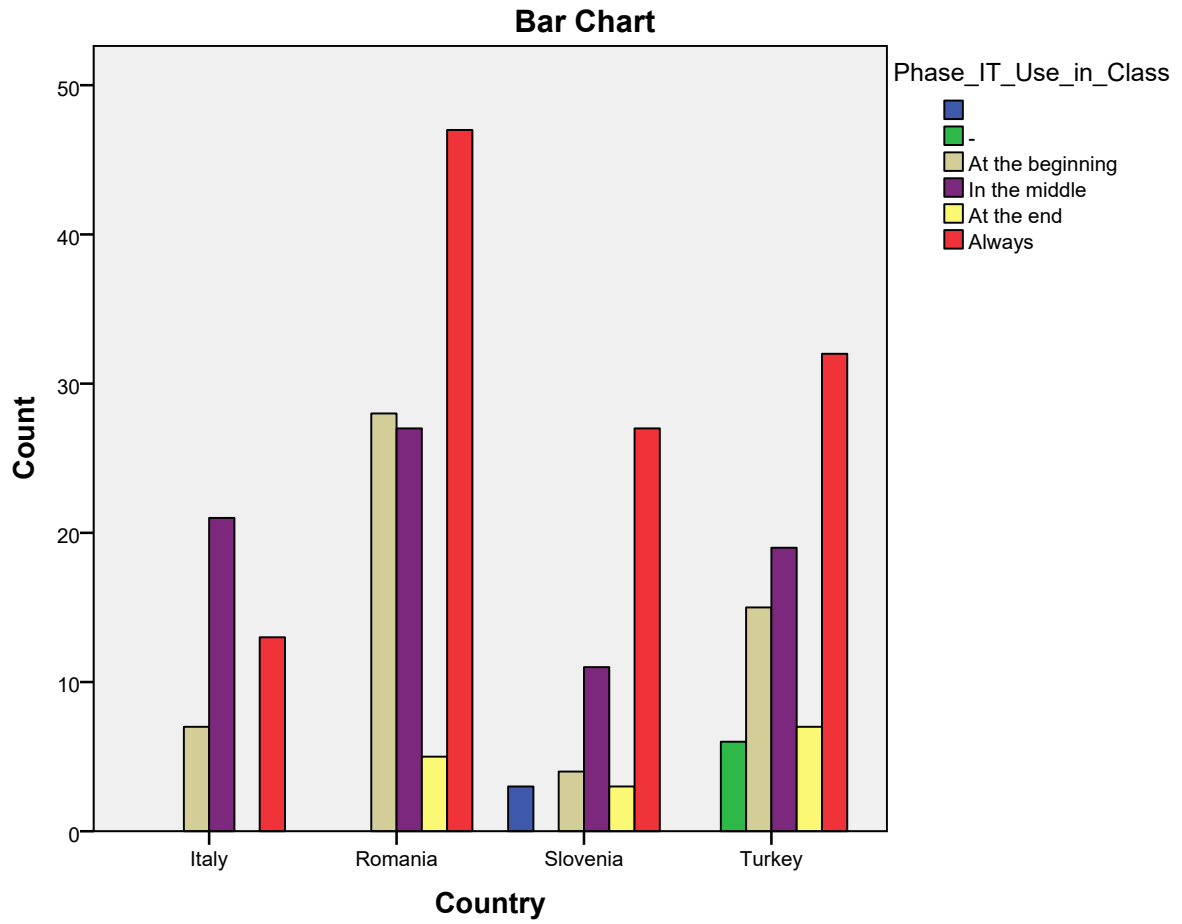
		Necessity_of_IT							Total
		-	Always	Generally	Sometimes	Hardly ever	Never		
Country	Italy	0	0	10	21	9	1	0	41
	Romania	0	0	48	33	13	2	11	107
	Slovenia	1	0	11	25	10	1	0	48
	Turkey	0	2	22	29	17	7	2	79
Total		1	2	91	108	49	11	13	275

Bar Chart



Country * Phase_IT_Use_in_Class Crosstabulation

Country		Phase_IT_Use_in_Class						Total
		-	At the beginning	In the middle	At the end	Always		
Italy		0	7	21	0	13	41	
Romania		0	28	27	5	47	107	
Slovenia		3	4	11	3	27	48	
Turkey		0	15	19	7	32	79	
Total		3	54	78	15	119	275	



Oneway

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY InteractionIWB_CompleteScale BY Country /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=SCHEFFE C ALPHA (0.05).	
Resources	Processor Time	00:00:00,03
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Descriptives

InteractionIWB_CompleteScale

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Italy	41	3,5301	,81907	,12792	3,2716	3,7886	1,07	4,87
Romania	107	2,1153	1,26632	,12242	1,8726	2,3580	1,00	5,00
Slovenia	48	1,6694	,86190	,12440	1,4192	1,9197	1,00	4,07
Turkey	79	2,3646	,70754	,07960	2,2061	2,5230	1,00	4,73
Total	275	2,3200	1,13949	,06871	2,1847	2,4553	1,00	5,00

ANOVA

InteractionIWB_CompleteScale

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	84,993	3	28,331	28,354	,000
Within Groups	270,776	271	,999		
Total	355,769	274			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

	(I) Country	(J) Country	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Scheffe	Italy	Romania	1,41482*	,18360	,000	,8983	1,9313
		Slovenia	1,86064*	,21257	,000	1,2626	2,4586
		Turkey	1,16552*	,19240	,000	,6243	1,7068
	Romania	Italy	-1,41482*	,18360	,000	-1,9313	-,8983
		Slovenia	,44582	,17365	,089	-,0427	,9343
		Turkey	-,24929	,14828	,421	-,6664	,1678
	Slovenia	Italy	-1,86064*	,21257	,000	-2,4586	-1,2626
		Romania	-,44582	,17365	,089	-,9343	,0427
		Turkey	-,69511*	,18293	,003	-1,2097	-,1805
	Turkey	Italy	-1,16552*	,19240	,000	-1,7068	-,6243
		Romania	,24929	,14828	,421	-,1678	,6664
		Slovenia	,69511*	,18293	,003	,1805	1,2097
Dunnett C	Italy	Romania	1,41482*	,17706		,9462	1,8835
		Slovenia	1,86064*	,17844		1,3838	2,3374
		Turkey	1,16552*	,15066		,7640	1,5670
	Romania	Italy	-1,41482*	,17706		-1,8835	-,9462
		Slovenia	,44582	,17454		-,0145	,9061
		Turkey	-,24929	,14603		-,6311	,1325
	Slovenia	Italy	-1,86064*	,17844		-2,3374	-1,3838
		Romania	-,44582	,17454		-,9061	,0145
		Turkey	-,69511*	,14769		-1,0868	-,3034
	Turkey	Italy	-1,16552*	,15066		-1,5670	-,7640
		Romania	,24929	,14603		-,1325	,6311
		Slovenia	,69511*	,14769		,3034	1,0868

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Country	N	Subset for alpha = 0.05		
		1	2	3
Scheffe ^{a,b}				
Slovenia	48	1,6694		
Romania	107	2,1153	2,1153	
Turkey	79		2,3646	
Italy	41			3,5301
Sig.		,118	,605	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 59,499.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:32:40
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_pro cessed.sav
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Gender /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Gender(TUKEY) /PLOT=PROFILE(Country*Gender) /EMMEANS=TABLES(Country) /EMMEANS=TABLES(Gender) /EMMEANS=TABLES (Country*Gender) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Gender Country*Gender.
Resources	Processor Time	00:00:00,31
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Warnings

Post hoc tests are not performed for Gender because there are fewer than three groups.
--

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Gender	1,0	Male	179
	2,0	Female	96

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Gender	Mean	Std. Deviation	N
Italy	Male	3,6100	,62549	20
	Female	3,4540	,97857	21
	Total	3,5301	,81907	41
Romania	Male	1,9667	1,19587	76
	Female	2,4796	1,37754	31
	Total	2,1153	1,26632	107
Slovenia	Male	1,7089	,88929	41
	Female	1,4381	,68838	7
	Total	1,6694	,86190	48
Turkey	Male	2,4381	,77216	42
	Female	2,2811	,62620	37
	Total	2,3646	,70754	79
Total	Male	2,2019	1,12913	179
	Female	2,5403	1,13172	96
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
9,569	7	267	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Gender + Country * Gender

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	91,958 ^a	7	13,137	13,296	,000
Intercept	1039,673	1	1039,673	1052,242	,000
Country	71,460	3	23,820	24,108	,000
Gender	,014	1	,014	,014	,905
Country * Gender	6,536	3	2,179	2,205	,088
Error	263,811	267	,988		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,258 (Adjusted R Squared = ,239)

Estimated Marginal Means

1. Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,532	,155	3,226	3,838
Romania	2,223	,106	2,015	2,432
Slovenia	1,574	,203	1,173	1,974
Turkey	2,360	,112	2,139	2,580

2. Gender

Dependent Variable: InteractionIWB_CompleteScale

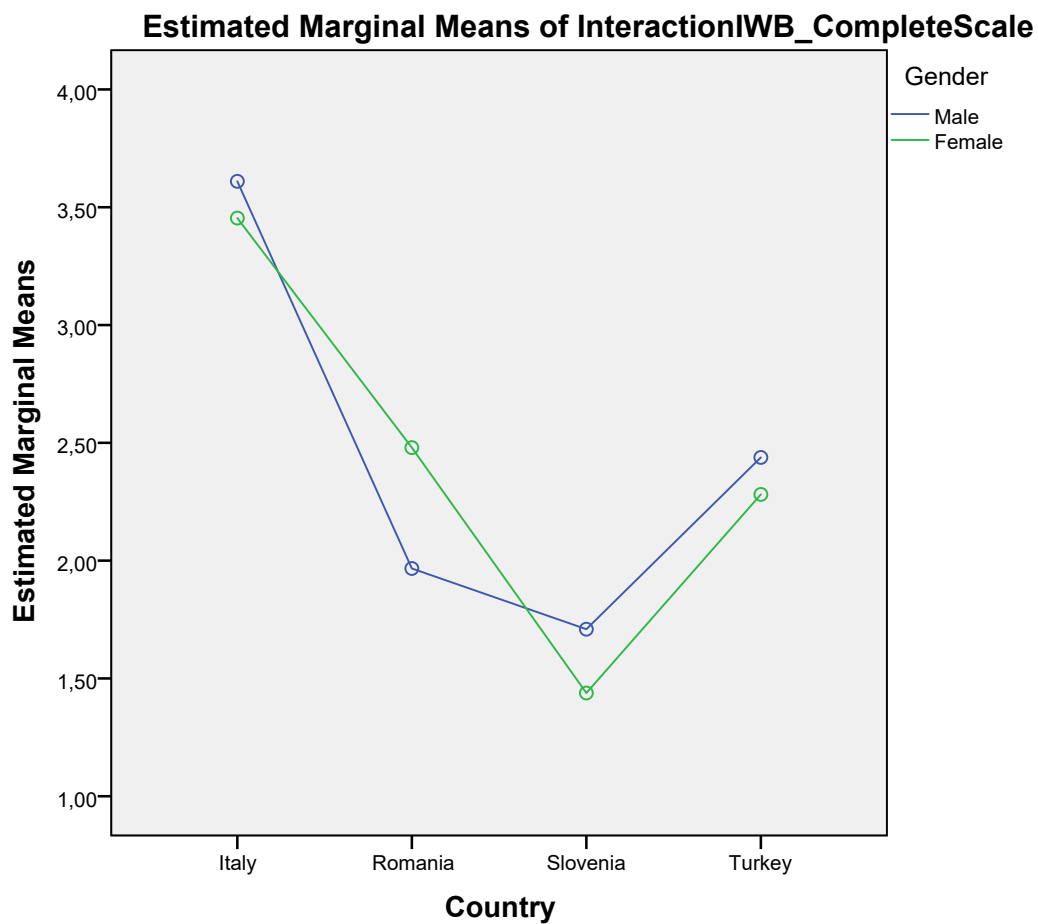
Gender	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Male	2,431	,083	2,268	2,594
Female	2,413	,124	2,169	2,658

3. Country * Gender

Dependent Variable: InteractionIWB_CompleteScale

Country	Gender	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Italy	Male	3,610	,222	3,172	4,048
	Female	3,454	,217	3,027	3,881
Romania	Male	1,967	,114	1,742	2,191
	Female	2,480	,179	2,128	2,831
Slovenia	Male	1,709	,155	1,403	2,015
	Female	1,438	,376	,698	2,178
Turkey	Male	2,438	,153	2,136	2,740
	Female	2,281	,163	1,959	2,603

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:38:35
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_pro ccessed.sav
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Experience /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Experience(TUKEY) /PLOT=PROFILE (Country*Experience) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Experience Country*Experience.
Resources	Processor Time	00:00:00,22
	Elapsed Time	00:00:00,17

Warnings

Post hoc tests are not performed for Experience because at least one group has fewer than two cases.
--

Between-Subjects Factors

	Value Label	N
Country	1 Italy	41
	2 Romania	107
	3 Slovenia	48
	4 Turkey	79
Experience	1	1
	1 1-5	57
	2 6-10	21
	3 11-15	64
	4 16-20	50
5 21+	79	

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Experience	Mean	Std. Deviation	N
Italy	1-5	3,7500	1,29314	4
	6-10	3,3333	,18856	2
	11-15	3,3741	,91954	18
	16-20	3,5333	,58310	5
	21+	3,7222	,66717	12
	Total		3,5301	,81907
Romania	1-5	2,4833	1,72337	4
	6-10	2,3333	2,30940	3
	11-15	2,2321	1,26212	27
	16-20	2,1570	1,26075	31
	21+	1,9587	1,20126	42
	Total		2,1153	1,26632
Slovenia		1,0000	.	1
	1-5	1,5333	,75425	2
	6-10	1,6000	,81831	4
	11-15	2,0400	,98500	5
	16-20	1,6400	,68211	15
	21+	1,6603	1,01826	21
Total		1,6694	,86190	48
Turkey	1-5	2,3787	,65984	47
	6-10	2,3778	,64844	12
	11-15	2,4667	,96503	14
	16-20	2,2667	,47140	2
	21+	1,8500	,52599	4
	Total		2,3646	,70754
Total		1,0000	.	1
	1-5	2,4526	,87838	57
	6-10	2,3143	1,03691	21

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Experience	Mean	Std. Deviation	N
	11-15	2,5896	1,18207	64
	16-20	2,1447	1,15424	53
	21+	2,1418	1,25175	79
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
4,503	20	254	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Experience + Country * Experience

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	90,723 ^a	20	4,536	4,347	,000
Intercept	295,940	1	295,940	283,606	,000
Country	43,160	3	14,387	13,787	,000
Experience	1,695	5	,339	,325	,898
Country * Experience	4,062	12	,338	,324	,985
Error	265,046	254	1,043		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,255 (Adjusted R Squared = ,196)

Estimated Marginal Means

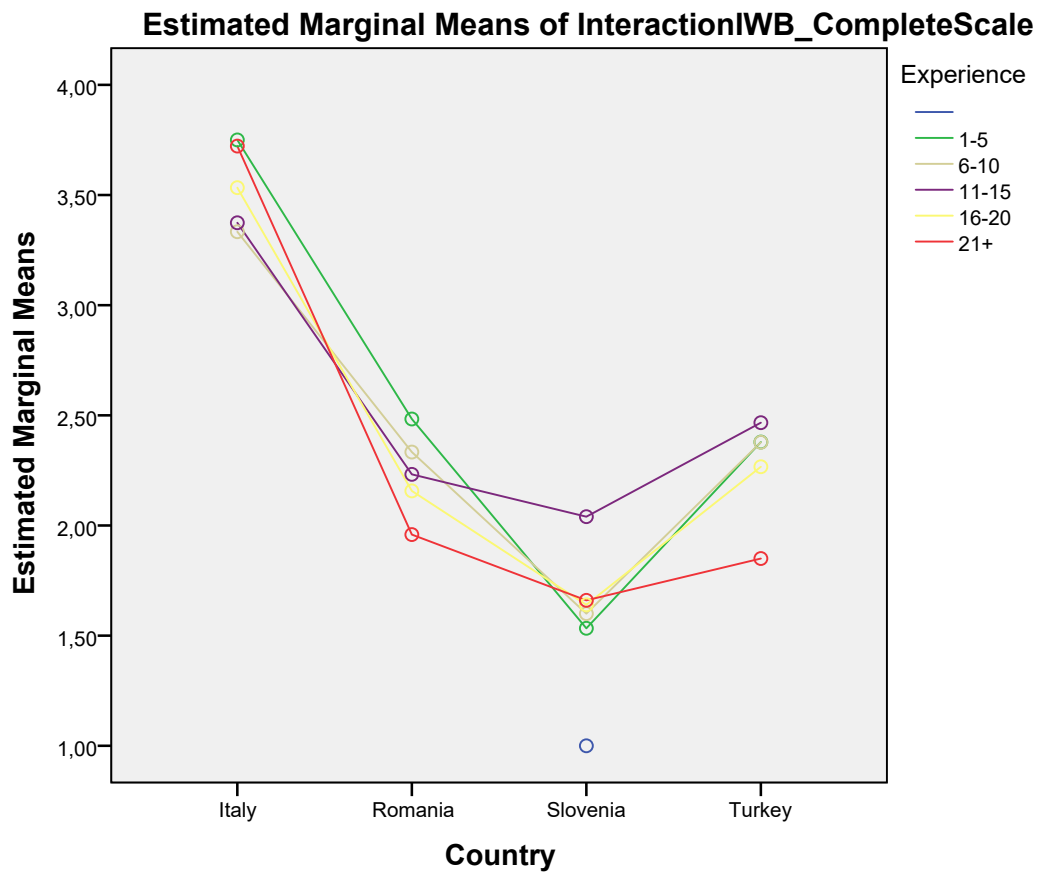
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,543 ^a	,213	3,123	3,962
Romania	2,233 ^a	,168	1,902	2,564
Slovenia	1,579	,245	1,097	2,061
Turkey	2,268 ^a	,197	1,881	2,655

a. Based on modified population marginal mean.

Profile Plots



Non-estimable means are not plotted

Univariate Analysis of Variance

Notes

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	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Age /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Age(TUKEY) /PLOT=PROFILE(Country*Age) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Age Country*Age.
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Age	1	20-25	8
	2	26-30	30
	3	31-35	41
	4	36-40	59
	5	41+	137

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Age	Mean	Std. Deviation	N
Italy	31-35	3,5867	1,17795	5
	36-40	3,5267	,62968	10
	41+	3,5205	,84138	26
	Total	3,5301	,81907	41
Romania	26-30	2,9778	1,72863	3
	31-35	2,2500	1,39466	8
	36-40	2,0667	1,22820	28
	41+	2,0814	1,26454	68
	Total	2,1153	1,26632	107
Slovenia	26-30	2,0667	.	1
	31-35	1,8667	1,22565	2
	36-40	1,6500	,72572	8
	41+	1,6523	,90488	37
	Total	1,6694	,86190	48
Turkey	20-25	2,5000	,72419	8
	26-30	2,4667	,71205	26
	31-35	2,4179	,71493	26
	36-40	2,2462	,71615	13
	41+	1,7667	,43563	6
	Total	2,3646	,70754	79
Total	20-25	2,5000	,72419	8
	26-30	2,5044	,82112	30
	31-35	2,5008	1,01029	41
	36-40	2,2972	1,13051	59
	41+	2,2248	1,25352	137
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
4,898	15	259	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Age + Country * Age

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	90,601 ^a	15	6,040	5,900	,000
Intercept	422,948	1	422,948	413,110	,000
Country	46,660	3	15,553	15,192	,000
Age	3,368	4	,842	,823	,512
Country * Age	1,962	8	,245	,240	,983
Error	265,168	259	1,024		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,255 (Adjusted R Squared = ,211)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,545 ^a	,196	3,158	3,931
Romania	2,344 ^a	,180	1,989	2,699
Slovenia	1,809 ^a	,325	1,169	2,449
Turkey	2,279	,135	2,014	2,545

a. Based on modified population marginal mean.

Post Hoc Tests

Age

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) Age	(J) Age	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
20-25	26-30	-,0044	,40262	1,000	-1,1105	1,1016
	31-35	-,0008	,39109	1,000	-1,0752	1,0735
	36-40	,2028	,38122	,984	-,8444	1,2501
	41+	,2752	,36804	,945	-,7358	1,2862
26-30	20-25	,0044	,40262	1,000	-1,1016	1,1105
	31-35	,0036	,24310	1,000	-,6642	,6715
	36-40	,2073	,22689	,892	-,4160	,8306
	41+	,2796	,20396	,647	-,2807	,8399
31-35	20-25	,0008	,39109	1,000	-1,0735	1,0752
	26-30	-,0036	,24310	1,000	-,6715	,6642
	36-40	,2036	,20573	,860	-,3615	,7688
	41+	,2760	,18012	,542	-,2188	,7708
36-40	20-25	-,2028	,38122	,984	-1,2501	,8444
	26-30	-,2073	,22689	,892	-,8306	,4160
	31-35	-,2036	,20573	,860	-,7688	,3615
	41+	,0724	,15756	,991	-,3605	,5052
41+	20-25	-,2752	,36804	,945	-1,2862	,7358
	26-30	-,2796	,20396	,647	-,8399	,2807
	31-35	-,2760	,18012	,542	-,7708	,2188
	36-40	-,0724	,15756	,991	-,5052	,3605

Based on observed means.

The error term is Mean Square(Error) = 1,024.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Age	N	Subset
		1
41+	137	2,2248
36-40	59	2,2972
20-25	8	2,5000
31-35	41	2,5008
26-30	30	2,5044
Sig.		,873

Means for groups in homogeneous subsets are displayed.

Based on observed means.

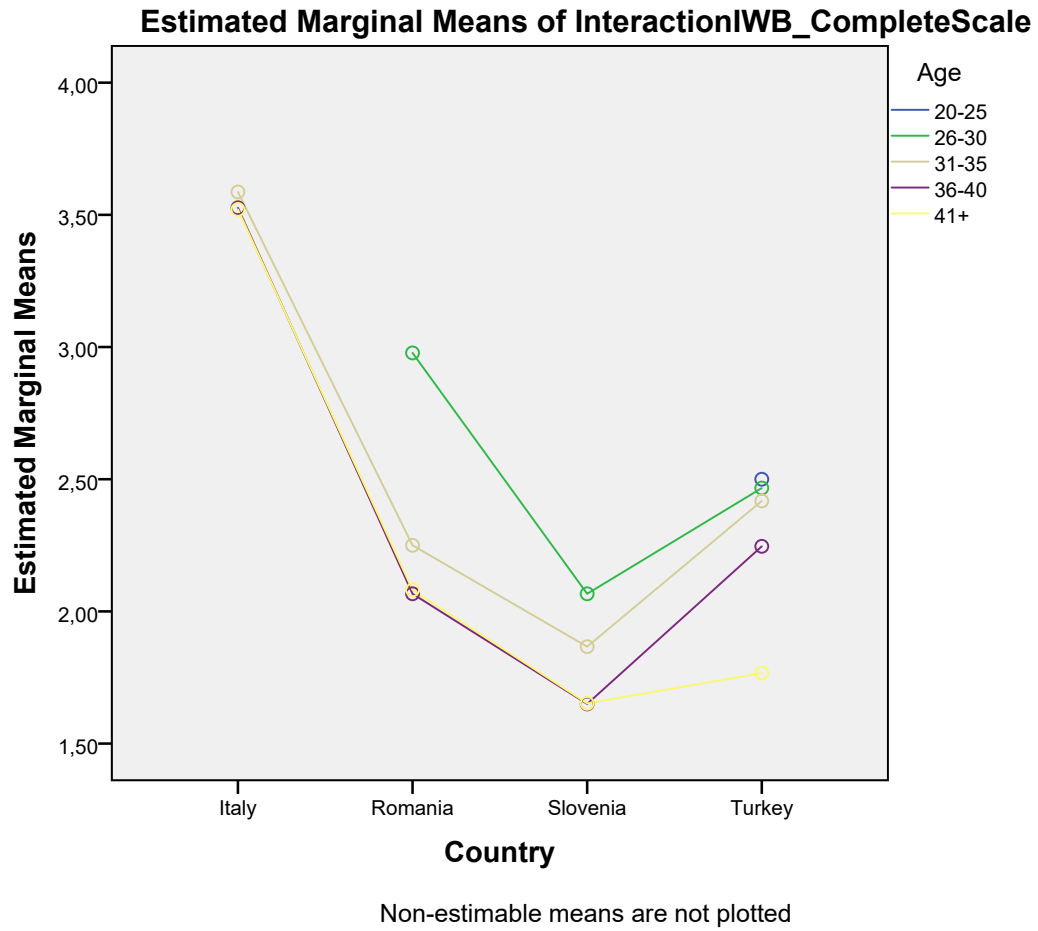
The error term is Mean Square (Error) = 1,024.

a. Uses Harmonic Mean Sample Size = 24,158.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

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Comments		
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	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country EducationLevel /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=EducationLevel (TUKEY) /PLOT=PROFILE (Country*EducationLevel) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country EducationLevel Country*EducationLevel.
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Warnings

Post hoc tests are not performed for EducationLevel because at least one group has fewer than two cases.
--

Between-Subjects Factors

	Value Label	N
Country	1 Italy	41
	2 Romania	107
	3 Slovenia	48
	4 Turkey	79
EducationLevel	1	1
	2 Bachelor's	193
	3 Master's	81

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	EducationLevel	Mean	Std. Deviation	N
Italy	Bachelor's	3,4925	,80031	31
	Master's	3,6467	,90924	10
	Total	3,5301	,81907	41
Romania	Bachelor's	1,8420	1,24090	54
	Master's	2,3937	1,24209	53
	Total	2,1153	1,26632	107
Slovenia		1,0000	.	1
	Bachelor's	1,7227	,88091	44
	Master's	1,1111	,13878	3
	Total	1,6694	,86190	48
Turkey	Bachelor's	2,3302	,67293	64
	Master's	2,5111	,85027	15
	Total	2,3646	,70754	79
Total		1,0000	.	1
	Bachelor's	2,2418	1,09972	193
	Master's	2,5226	1,21099	81
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
6,386	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + EducationLevel + Country * EducationLevel

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	95,221 ^a	8	11,903	12,152	,000
Intercept	96,099	1	96,099	98,110	,000
Country	60,646	3	20,215	20,638	,000
EducationLevel	,239	2	,120	,122	,885
Country * EducationLevel	4,309	3	1,436	1,466	,224
Error	260,548	266	,980		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,268 (Adjusted R Squared = ,246)

Estimated Marginal Means

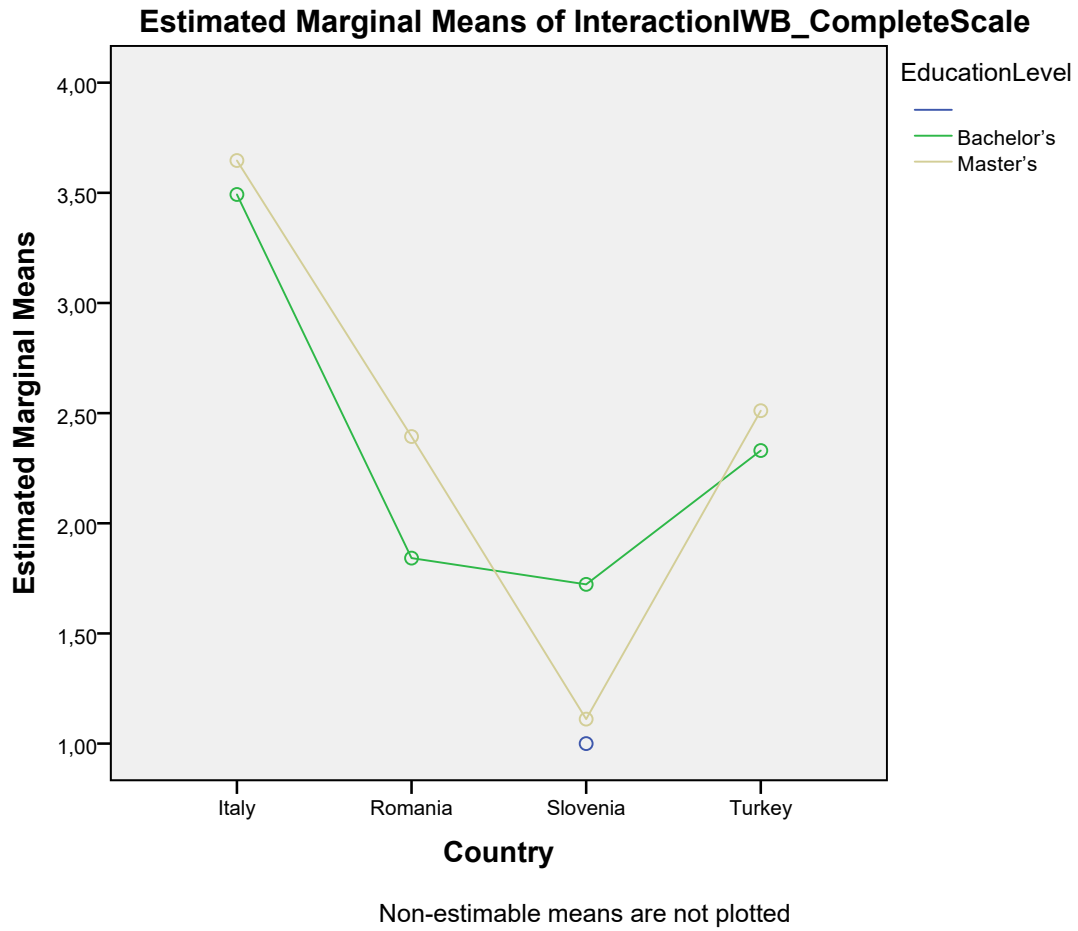
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,570 ^a	,180	3,215	3,924
Romania	2,118 ^a	,096	1,929	2,306
Slovenia	1,278	,384	,522	2,034
Turkey	2,421 ^a	,142	2,141	2,700

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country ComputerCompetency /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=ComputerCompetency (TUKEY) /PLOT=PROFILE (Country*ComputerCompetency) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country ComputerCompetency Country*ComputerCompetency.
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
ComputerCompetency	1	Low	13
	2	Moderate	166
	3	High	72
	4	Expert	24

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	ComputerCompetency	Mean	Std. Deviation	N
Italy	Low	4,8667	.	1
	Moderate	3,6367	,65729	20
	High	3,4800	,76104	15
	Expert	2,9867	1,32195	5
	Total	3,5301	,81907	41
Romania	Low	1,0857	,22678	7
	Moderate	2,0851	1,24958	58
	High	2,1849	1,31709	31
	Expert	2,7333	1,29615	11
	Total	2,1153	1,26632	107
Slovenia	Low	1,0000	.	1
	Moderate	1,7207	,91663	37
	High	1,3889	,57413	6
	Expert	1,7833	,80623	4
	Total	1,6694	,86190	48
Turkey	Low	2,1167	,60216	4
	Moderate	2,3373	,63209	51
	High	2,3867	,69941	20
	Expert	2,8500	1,57609	4
	Total	2,3646	,70754	79
Total	Low	1,6872	1,12723	13
	Moderate	2,2683	1,09591	166
	High	2,4444	1,16291	72
	Expert	2,6472	1,26834	24
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
6,086	15	259	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + ComputerCompetency + Country * ComputerCompetency

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	102,652 ^a	15	6,843	7,002	,000
Intercept	413,272	1	413,272	422,877	,000
Country	37,501	3	12,500	12,791	,000
ComputerCompetency	,961	3	,320	,328	,805
Country * ComputerCompetency	11,495	9	1,277	1,307	,233
Error	253,117	259	,977		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,289 (Adjusted R Squared = ,247)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,743	,284	3,184	4,301
Romania	2,022	,132	1,763	2,281
Slovenia	1,473	,297	,888	2,058
Turkey	2,423	,187	2,055	2,790

Post Hoc Tests

ComputerCompetency

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) ComputerCompetency	(J) ComputerCompetency	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Low	Moderate	-,5811	,28472	,176	-1,3173	,1551
	High	-,7573	,29791	,056	-1,5276	,0131
	Expert	-,9600*	,34044	,026	-1,8403	-,0797
Moderate	Low	,5811	,28472	,176	-,1551	1,3173
	High	-,1762	,13950	,587	-,5369	,1846
	Expert	-,3789	,21589	,297	-,9372	,1793
High	Low	,7573	,29791	,056	-,0131	1,5276
	Moderate	,1762	,13950	,587	-,1846	,5369
	Expert	-,2028	,23301	,820	-,8053	,3997
Expert	Low	,9600*	,34044	,026	,0797	1,8403
	Moderate	,3789	,21589	,297	-,1793	,9372
	High	,2028	,23301	,820	-,3997	,8053

Based on observed means.

The error term is Mean Square(Error) = ,977.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

ComputerCompetency	N	Subset	
		1	2
Low	13	1,6872	
Moderate	166	2,2683	2,2683
High	72		2,4444
Expert	24		2,6472
Sig.		,117	,465

Means for groups in homogeneous subsets are displayed.

Based on observed means.

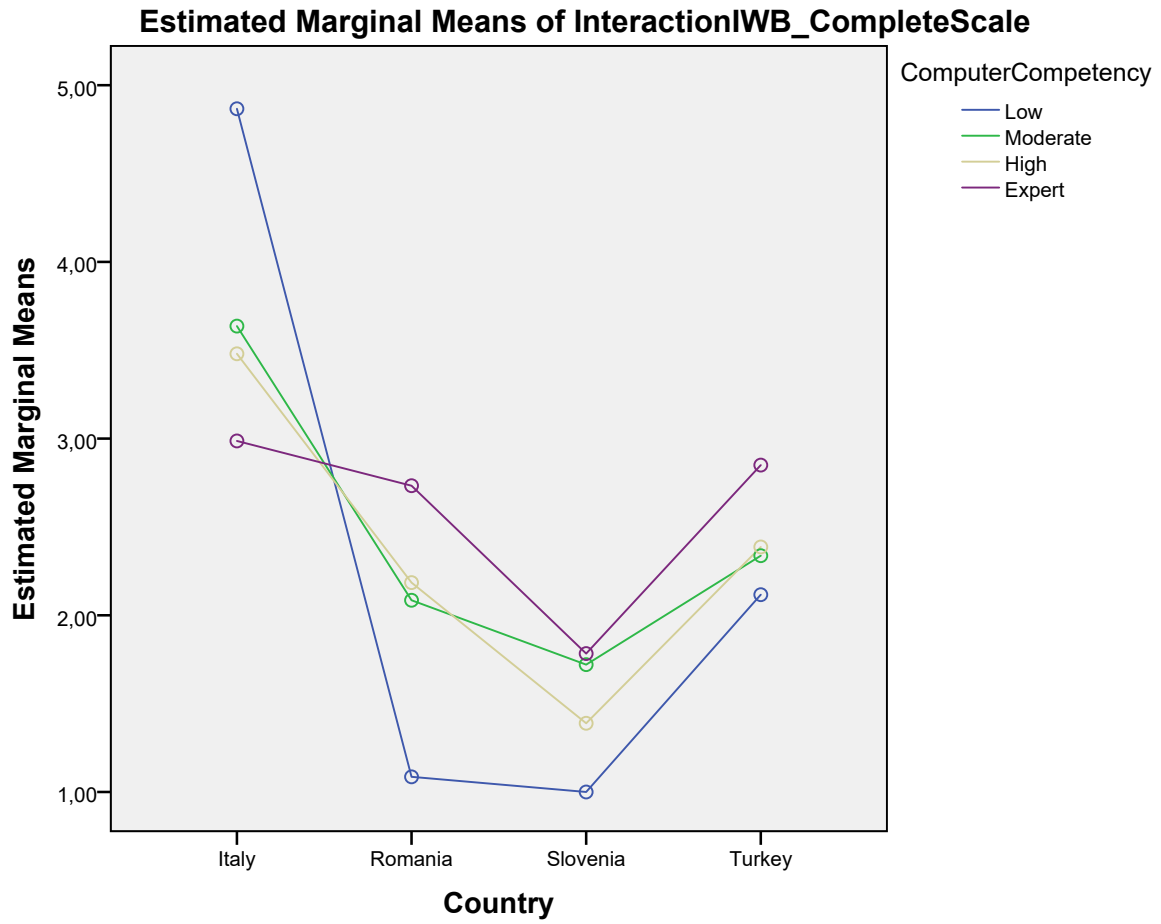
The error term is Mean Square(Error) = ,977.

a. Uses Harmonic Mean Sample Size = 28,880.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country HowOftenUseComputer /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=HowOftenUseComputer(TUKEY) /PLOT=PROFILE (Country*HowOftenUseComputer) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country HowOftenUseComputer Country*HowOftenUseComputer.
Resources	Processor Time	00:00:00,16
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
HowOftenUseComputer	1	Everyday	204
	2	Several times a week	55
	3	Several times a month	9
	4	Several times a year	3
	5	Never	4

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	HowOftenUseComputer	Mean	Std. Deviation	N
Italy	Everyday	3,5010	,87139	35
	Several times a week	3,7200	,44821	5
	Several times a month	3,6000	.	1
	Total	3,5301	,81907	41
Romania	Everyday	2,2265	1,26748	78
	Several times a week	1,9088	1,21883	19
	Several times a month	2,2800	1,68879	5
	Several times a year	1,0000	,00000	2
	Never	1,0000	,00000	3
Total	2,1153	1,26632	107	
Slovenia	Everyday	1,6986	,86897	46
	Several times a month	1,0000	.	1
	Never	1,0000	.	1
Total	1,6694	,86190	48	
Turkey	Everyday	2,4519	,70394	45
	Several times a week	2,2882	,72365	31
	Several times a month	1,9667	,32998	2
	Several times a year	1,6000	.	1
Total	2,3646	,70754	79	
Total	Everyday	2,3758	1,15905	204
	Several times a week	2,2873	1,02052	55
	Several times a month	2,2148	1,37185	9
	Several times a year	1,2000	,34641	3
	Never	1,0000	,00000	4
Total	2,3200	1,13949	275	

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
5,990	14	260	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + HowOftenUseComputer + Country * HowOftenUseComputer

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	95,698 ^a	14	6,836	6,834	,000
Intercept	108,640	1	108,640	108,611	,000
Country	16,521	3	5,507	5,505	,001
HowOftenUseComputer	4,229	4	1,057	1,057	,378
Country * HowOftenUseComputer	2,089	7	,298	,298	,954
Error	260,071	260	1,000		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,269 (Adjusted R Squared = ,230)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,607 ^a	,370	2,879	4,335
Romania	1,683	,210	1,270	2,096
Slovenia	1,233 ^a	,474	,299	2,166
Turkey	2,077 ^a	,312	1,463	2,691

a. Based on modified population marginal mean.

Post Hoc Tests

HowOftenUseComputer

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) HowOftenUseComputer	(J) HowOftenUseComputer	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Everyday	Several times a week	,0885	,15195	,978	-,3289	,5060
	Several times a month	,1610	,34065	,990	-,7748	1,0968
	Several times a year	1,1758	,58166	,259	-,4220	2,7736
	Never	1,3758	,50495	,053	-,0113	2,7629
Several times a week	Everyday	-,0885	,15195	,978	-,5060	,3289
	Several times a month	,0725	,35962	1,000	-,9154	1,0603
	Several times a year	1,0873	,59297	,356	-,5416	2,7162
	Never	1,2873	,51793	,097	-,1355	2,7100
Several times a month	Everyday	-,1610	,34065	,990	-1,0968	,7748
	Several times a week	-,0725	,35962	1,000	-1,0603	,9154
	Several times a year	1,0148	,66676	,549	-,8168	2,8464
	Never	1,2148	,60101	,259	-,4362	2,8658
Several times a year	Everyday	-1,1758	,58166	,259	-2,7736	,4220
	Several times a week	-1,0873	,59297	,356	-2,7162	,5416
	Several times a month	-1,0148	,66676	,549	-2,8464	,8168
	Never	,2000	,76387	,999	-1,8984	2,2984
Never	Everyday	-1,3758	,50495	,053	-2,7629	,0113
	Several times a week	-1,2873	,51793	,097	-2,7100	,1355
	Several times a month	-1,2148	,60101	,259	-2,8658	,4362
	Several times a year	-,2000	,76387	,999	-2,2984	1,8984

Based on observed means.

The error term is Mean Square(Error) = 1,000.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

HowOftenUseComputer	N	Subset
		1
Never	4	1,0000
Several times a year	3	1,2000
Several times a month	9	2,2148
Several times a week	55	2,2873
Everyday	204	2,3758
Sig.		,079

Means for groups in homogeneous subsets are displayed.

Based on observed means.

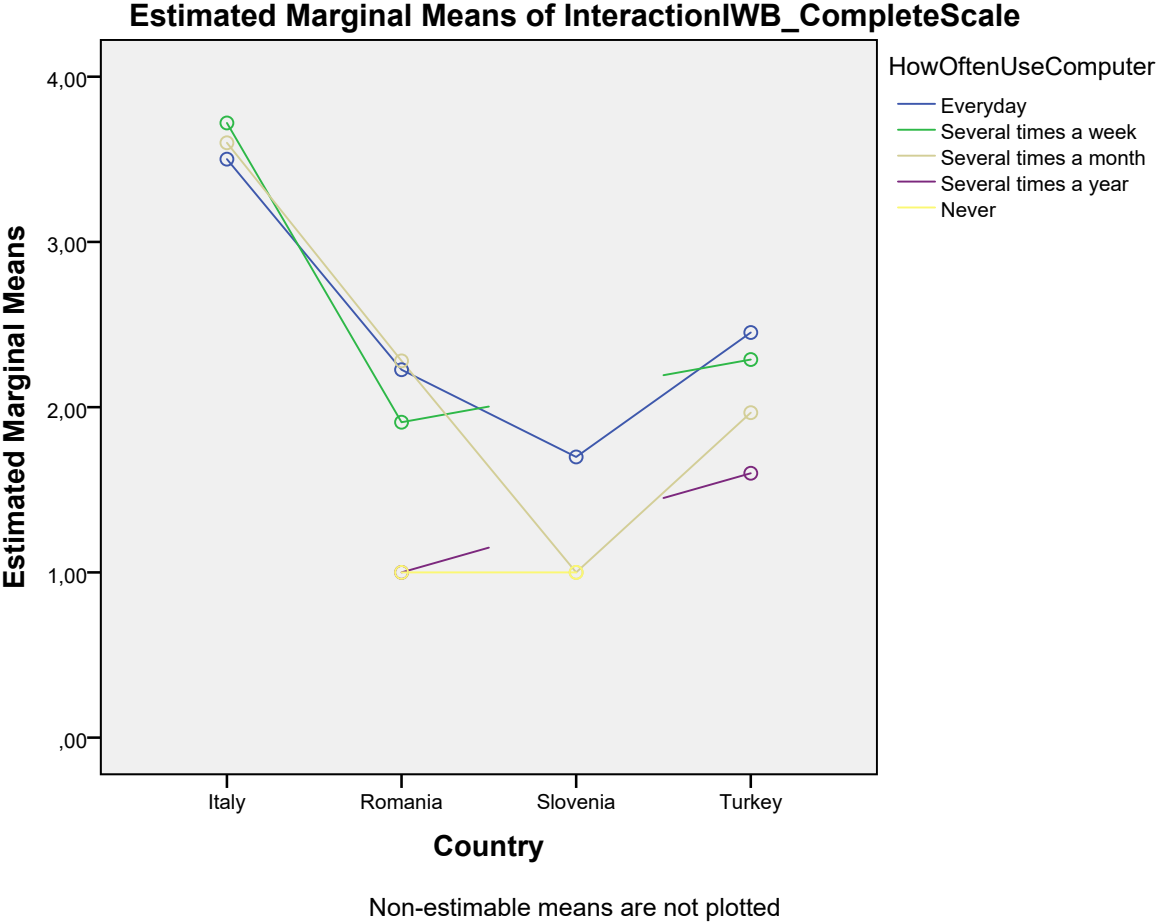
The error term is Mean Square(Error) = 1,000.

a. Uses Harmonic Mean Sample Size = 6,968.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:48:36
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country IWBinSchool /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=IWBinSchool(TUKEY) /PLOT=PROFILE (Country*IWBinSchool) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country IWBinSchool Country*IWBinSchool.
Resources	Processor Time	00:00:00,16
	Elapsed Time	00:00:00,15

Warnings

Post hoc tests are not performed for IWBinSchool because there are fewer than three groups.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
IWBinSchool	1	Yes	210
	2	No	65

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	IWBinSchool	Mean	Std. Deviation	N
Italy	Yes	3,4983	,80355	40
	No	4,8000	.	1
	Total	3,5301	,81907	41
Romania	Yes	2,6652	1,32421	47
	No	1,6844	1,04121	60
	Total	2,1153	1,26632	107
Slovenia	Yes	1,7258	,87883	44
	No	1,0500	,10000	4
	Total	1,6694	,86190	48
Turkey	Yes	2,3646	,70754	79
	Total	2,3646	,70754	79
Total	Yes	2,5140	1,08720	210
	No	1,6933	1,08473	65
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
7,504	6	268	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + IWBinSchool + Country * IWBinSchool

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	113,673 ^a	6	18,946	20,973	,000
Intercept	191,577	1	191,577	212,076	,000
Country	27,581	3	9,194	10,177	,000
IWBinSchool	,094	1	,094	,104	,747
Country * IWBinSchool	5,063	2	2,531	2,802	,062
Error	242,096	268	,903		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,320 (Adjusted R Squared = ,304)

Estimated Marginal Means

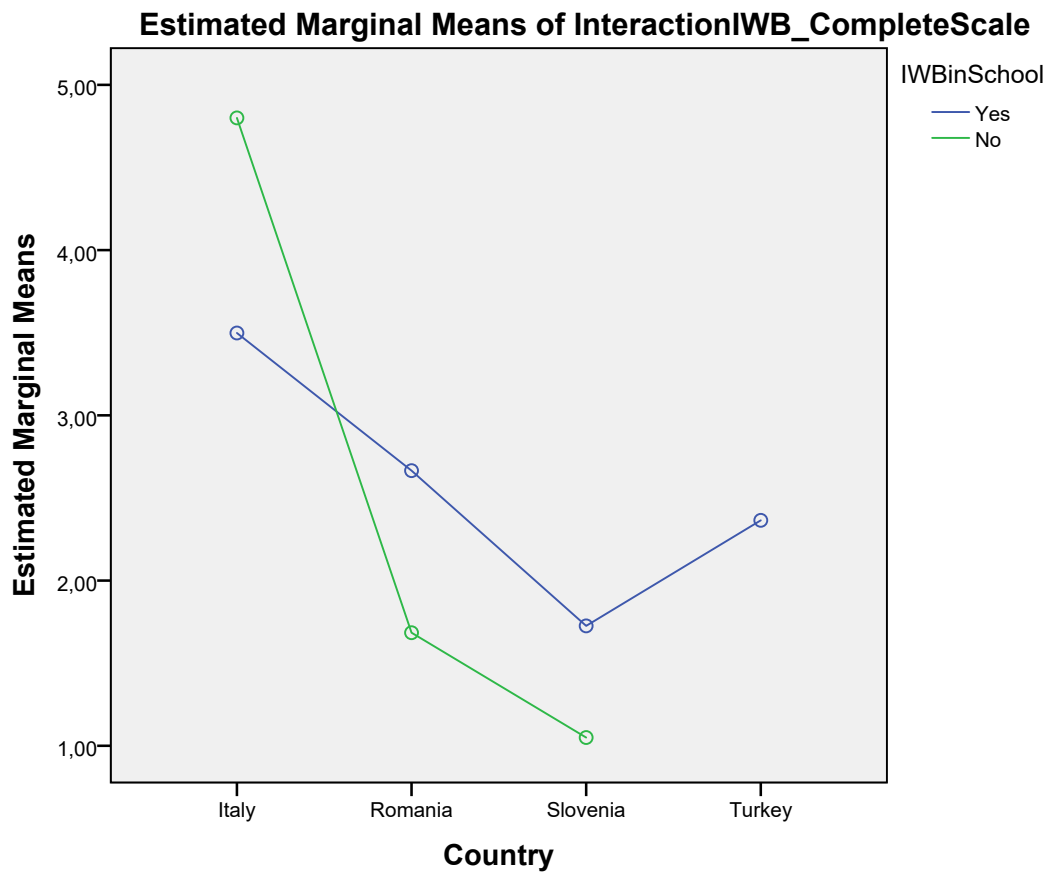
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	4,149	,481	3,202	5,096
Romania	2,175	,093	1,993	2,357
Slovenia	1,388	,248	,899	1,877
Turkey	2,365 ^a	,107	2,154	2,575

a. Based on modified population marginal mean.

Profile Plots



Non-estimable means are not plotted

Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:52:03
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Computer /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Computer(TUKEY) /PLOT=PROFILE (Country*Computer) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Computer Country*Computer.
Resources	Processor Time	00:00:00,17
	Elapsed Time	00:00:00,15

Warnings

Post hoc tests are not performed for Computer because at least one group has fewer than two cases.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Computer			1
	0	No	53
	1	Yes	221

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Computer	Mean	Std. Deviation	N
Italy	No	3,9778	,32886	3
	Yes	3,4947	,83779	38
	Total	3,5301	,81907	41
Romania	No	1,6696	,94697	23
	Yes	2,2373	1,31914	84
	Total	2,1153	1,26632	107
Slovenia		1,0667	.	1
	No	1,1167	,23333	4
	Yes	1,7349	,88617	43
	Total	1,6694	,86190	48
Turkey	No	2,2319	,65686	23
	Yes	2,4190	,72594	56
	Total	2,3646	,70754	79
Total		1,0667	.	1
	No	2,0025	,96281	53
	Yes	2,4018	1,16614	221
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
10,026	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Computer + Country * Computer

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	93,802 ^a	8	11,725	11,906	,000
Intercept	90,511	1	90,511	91,904	,000
Country	40,349	3	13,450	13,657	,000
Computer	1,289	2	,644	,654	,521
Country * Computer	3,481	3	1,160	1,178	,318
Error	261,967	266	,985		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,264 (Adjusted R Squared = ,242)

Estimated Marginal Means

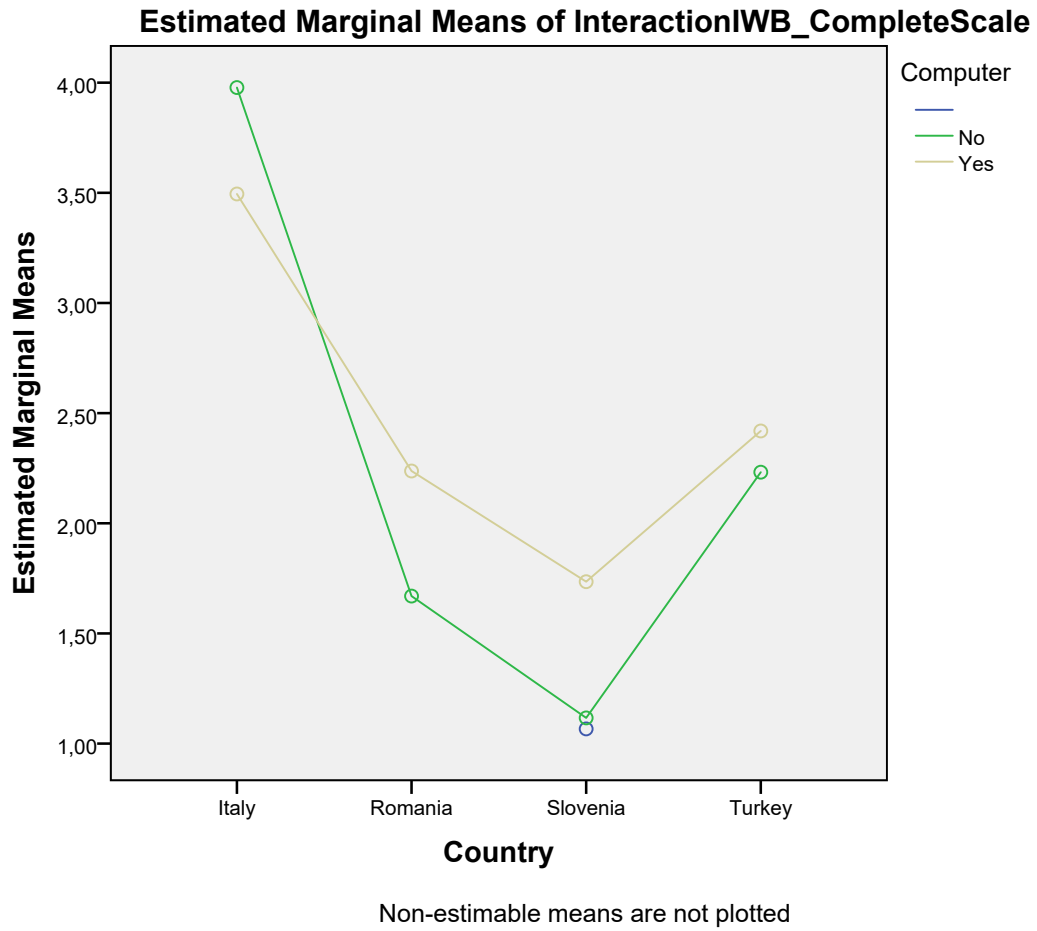
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,736 ^a	,298	3,150	4,322
Romania	1,953 ^a	,117	1,724	2,183
Slovenia	1,306	,373	,571	2,041
Turkey	2,325 ^a	,123	2,084	2,567

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:53:20
Comments		
Input	Data	C: \\Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country VariousSoftware /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=VariousSoftware (TUKEY) /PLOT=PROFILE (Country*VariousSoftware) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country VariousSoftware Country*VariousSoftware.
Resources	Processor Time	00:00:00,25
	Elapsed Time	00:00:00,14

Warnings

Post hoc tests are not performed for VariousSoftware because at least one group has fewer than two cases.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
VariousSoftware			1
	0	No	78
	1	Yes	196

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	VariousSoftware	Mean	Std. Deviation	N
Italy	No	3,0000	1,48573	4
	Yes	3,5874	,72586	37
	Total	3,5301	,81907	41
Romania	No	2,0797	1,29359	41
	Yes	2,1374	1,25856	66
	Total	2,1153	1,26632	107
Slovenia		1,0667	.	1
	No	1,7556	1,19505	3
	Yes	1,6773	,85821	44
	Total	1,6694	,86190	48
Turkey	No	2,1733	,64031	30
	Yes	2,4816	,72728	49
	Total	2,3646	,70754	79
Total		1,0667	.	1
	No	2,1504	1,09235	78
	Yes	2,3939	1,15249	196
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
9,357	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + VariousSoftware + Country * VariousSoftware

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	88,479 ^a	8	11,060	11,007	,000
Intercept	89,288	1	89,288	88,857	,000
Country	21,397	3	7,132	7,098	,000
VariousSoftware	1,718	2	,859	,855	,427
Country * VariousSoftware	1,471	3	,490	,488	,691
Error	267,290	266	1,005		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,249 (Adjusted R Squared = ,226)

Estimated Marginal Means

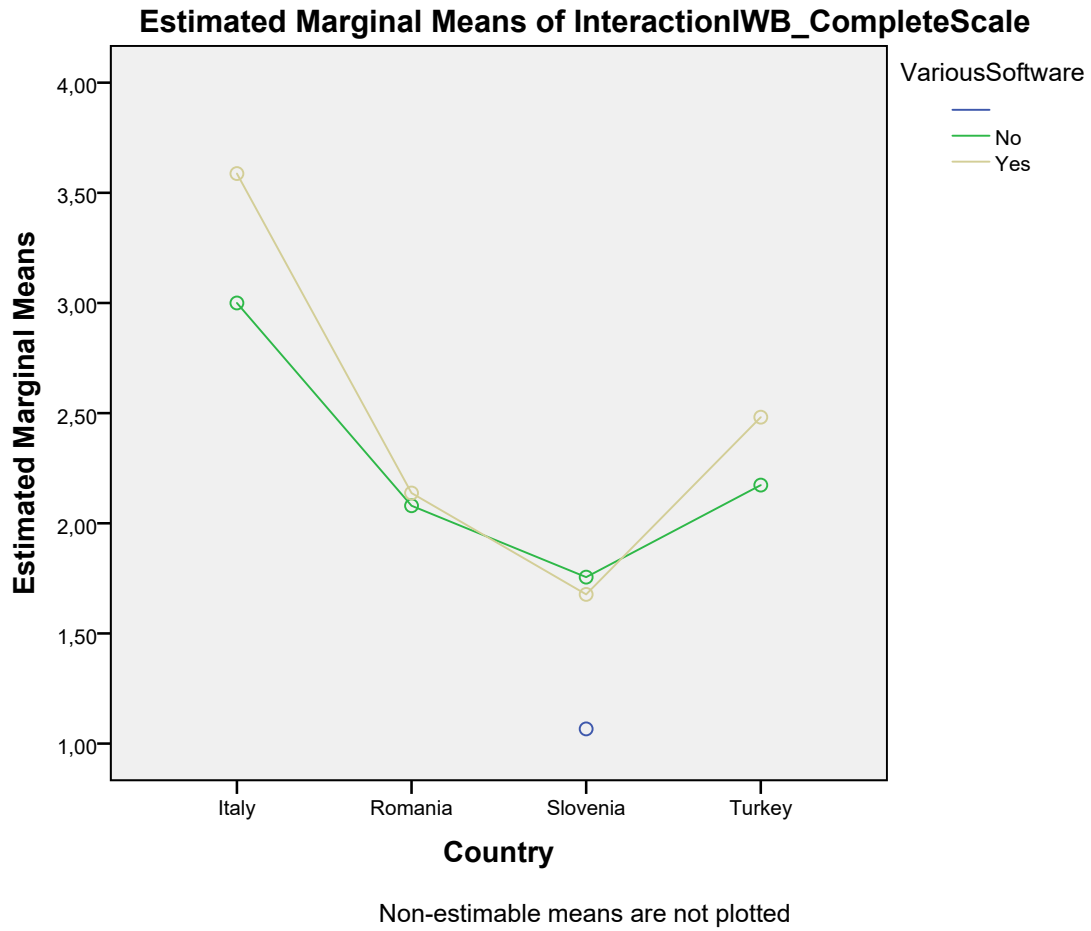
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,294 ^a	,264	2,774	3,813
Romania	2,109 ^a	,100	1,912	2,305
Slovenia	1,500	,389	,734	2,266
Turkey	2,327 ^a	,116	2,099	2,556

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:54:10
Comments		
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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country SocialNetworks /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=SocialNetworks (TUKEY) /PLOT=PROFILE (Country*SocialNetworks) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country SocialNetworks Country*SocialNetworks.
Resources	Processor Time	00:00:00,19
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Warnings

Post hoc tests are not performed for SocialNetworks because at least one group has fewer than two cases.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
SocialNetworks			1
	0	No	157
	1	Yes	117

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	SocialNetworks	Mean	Std. Deviation	N
Italy	No	3,6175	,99699	19
	Yes	3,4545	,64263	22
	Total	3,5301	,81907	41
Romania	No	2,0162	1,20904	74
	Yes	2,3374	1,37971	33
	Total	2,1153	1,26632	107
Slovenia		1,0667	.	1
	No	1,4491	,61858	19
	Yes	1,8405	,97985	28
	Total	1,6694	,86190	48
Turkey	No	2,3022	,62095	45
	Yes	2,4471	,81046	34
	Total	2,3646	,70754	79
Total		1,0667	.	1
	No	2,2234	1,13293	157
	Yes	2,4604	1,13789	117
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
10,055	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + SocialNetworks + Country * SocialNetworks

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	90,129 ^a	8	11,266	11,281	,000
Intercept	101,218	1	101,218	101,355	,000
Country	82,643	3	27,548	27,585	,000
SocialNetworks	2,061	2	1,031	1,032	,358
Country * SocialNetworks	2,151	3	,717	,718	,542
Error	265,640	266	,999		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,253 (Adjusted R Squared = ,231)

Estimated Marginal Means

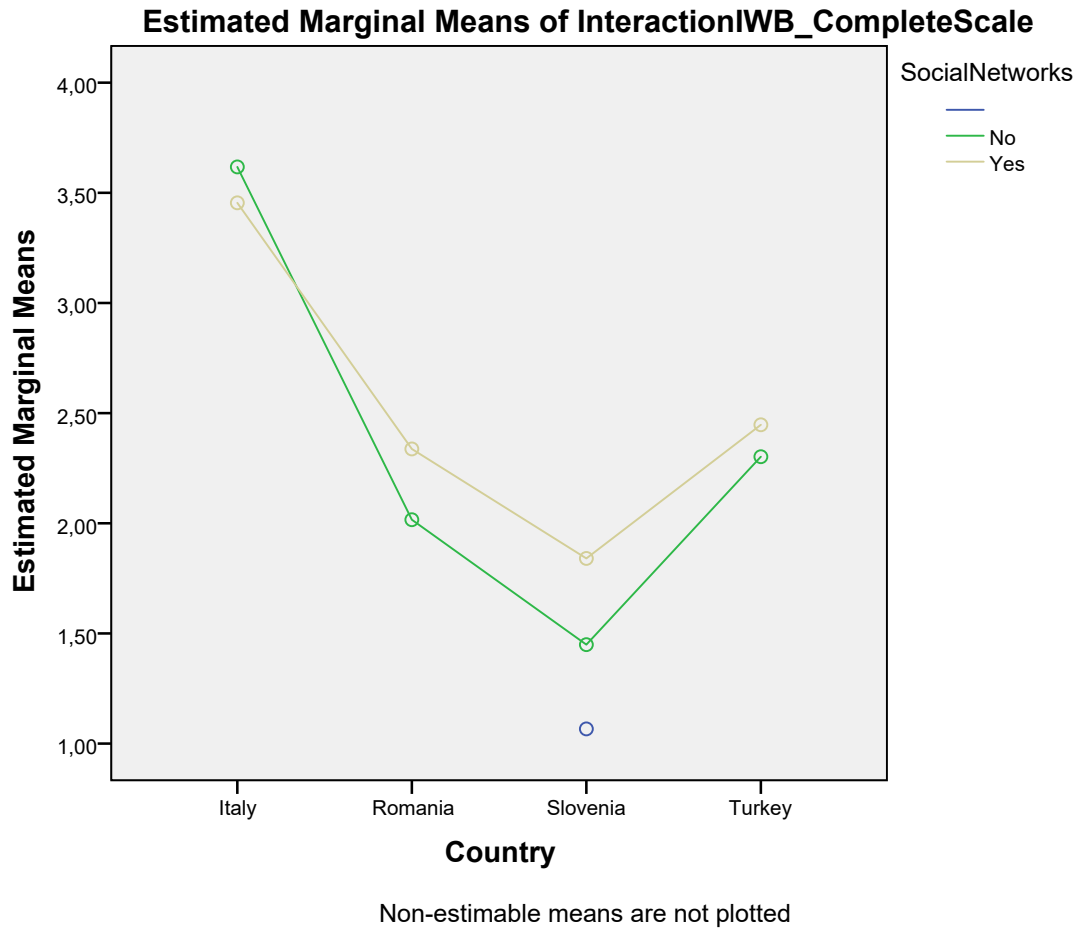
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,536 ^a	,156	3,228	3,844
Romania	2,177 ^a	,105	1,971	2,383
Slovenia	1,452	,348	,768	2,136
Turkey	2,375 ^a	,114	2,151	2,598

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:54:49
Comments		
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country RadioRecorderVidePlayer /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=RadioRecorderVidePla yer(TUKEY) /PLOT=PROFILE (Country*RadioRecorderVidePlayer) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country RadioRecorderVidePlayer Country*RadioRecorderVidePlayer.
Resources	Processor Time	00:00:00,14
	Elapsed Time	00:00:00,15

Warnings

Post hoc tests are not performed for RadioRecorderVidePlayer because at least one group has fewer than two cases.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
RadioRecorderVidePlayer			1
	0	No	193
	1	Yes	81

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	RadioRecorderVidePlayer	Mean	Std. Deviation	N
Italy	No	3,4784	,94081	17
	Yes	3,5667	,74002	24
	Total	3,5301	,81907	41
Romania	No	2,0326	1,26069	90
	Yes	2,5529	1,24136	17
	Total	2,1153	1,26632	107
Slovenia		1,0667	.	1
	No	1,5378	,78118	30
	Yes	1,9373	,97196	17
	Total	1,6694	,86190	48
Turkey	No	2,2857	,67134	56
	Yes	2,5565	,77057	23
	Total	2,3646	,70754	79
Total		1,0667	.	1
	No	2,1565	1,12177	193
	Yes	2,7251	1,08476	81
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
7,689	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + RadioRecorderVidePlayer + Country * RadioRecorderVidePlayer

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	92,240 ^a	8	11,530	11,638	,000
Intercept	104,004	1	104,004	104,979	,000
Country	69,288	3	23,096	23,313	,000
RadioRecorderVidePlayer	5,426	2	2,713	2,738	,067
Country * RadioRecorderVidePlayer	1,209	3	,403	,407	,748
Error	263,529	266	,991		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,259 (Adjusted R Squared = ,237)

Estimated Marginal Means

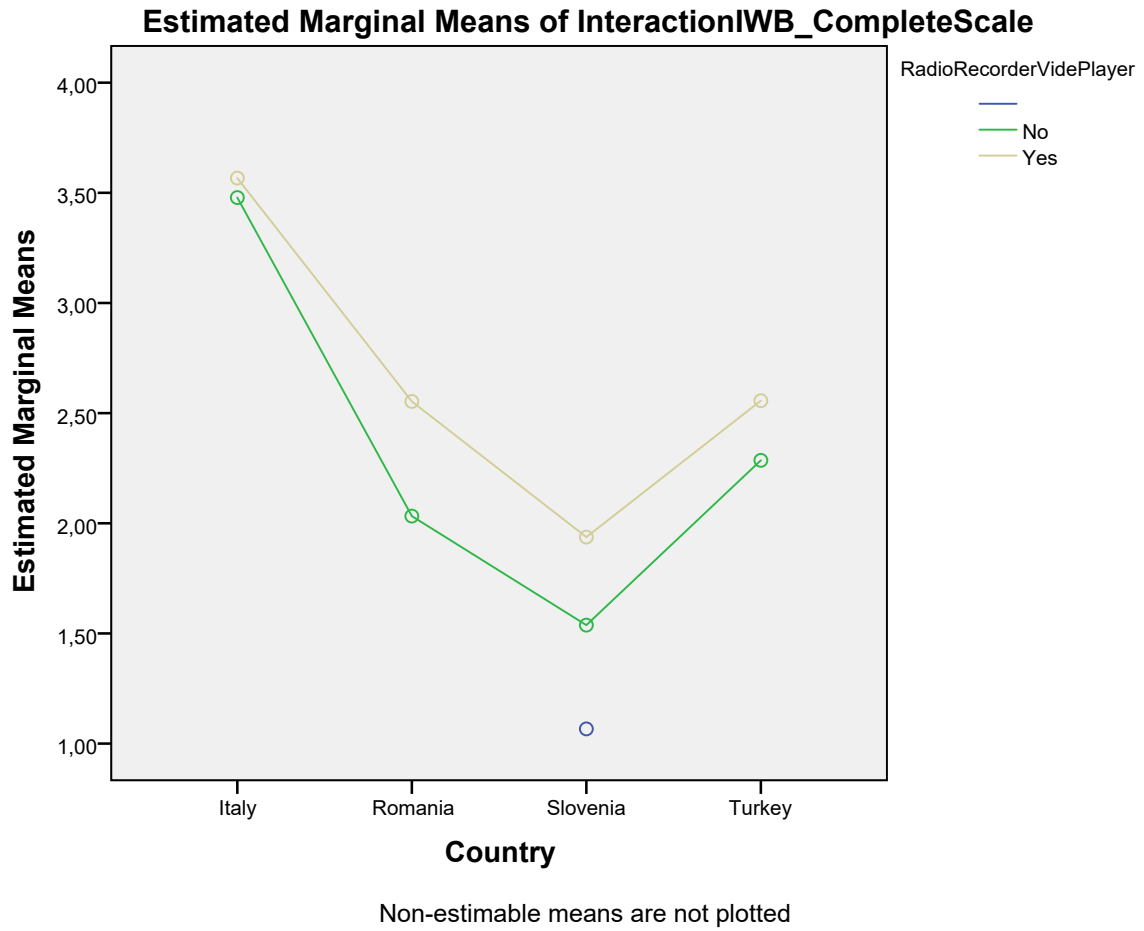
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,523 ^a	,158	3,212	3,833
Romania	2,293 ^a	,132	2,034	2,552
Slovenia	1,514	,347	,831	2,197
Turkey	2,421 ^a	,123	2,178	2,664

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:55:30
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country TabletPCs /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=TabletPCs(TUKEY) /PLOT=PROFILE (Country*TabletPCs) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country TabletPCs Country*TabletPCs.
Resources	Processor Time	00:00:00,14
	Elapsed Time	00:00:00,15

Warnings

Post hoc tests are not performed for TabletPCs because at least one group has fewer than two cases.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
TabletPCs			1
	0	No	193
	1	Yes	81

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	TabletPCs	Mean	Std. Deviation	N
Italy	No	3,8367	,76792	20
	Yes	3,2381	,77333	21
	Total	3,5301	,81907	41
Romania	No	2,0634	1,19266	82
	Yes	2,2853	1,49747	25
	Total	2,1153	1,26632	107
Slovenia		1,0667	.	1
	No	1,6076	,76111	35
	Yes	1,9000	1,13155	12
	Total	1,6694	,86190	48
Turkey	No	2,3524	,66603	56
	Yes	2,3942	,81524	23
	Total	2,3646	,70754	79
Total		1,0667	.	1
	No	2,2484	1,11512	193
	Yes	2,5062	1,18137	81
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
10,026	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + TabletPCs + Country * TabletPCs

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	90,770 ^a	8	11,346	11,389	,000
Intercept	101,451	1	101,451	101,835	,000
Country	71,789	3	23,930	24,020	,000
TabletPCs	,471	2	,235	,236	,790
Country * TabletPCs	5,370	3	1,790	1,797	,148
Error	264,999	266	,996		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,255 (Adjusted R Squared = ,233)

Estimated Marginal Means

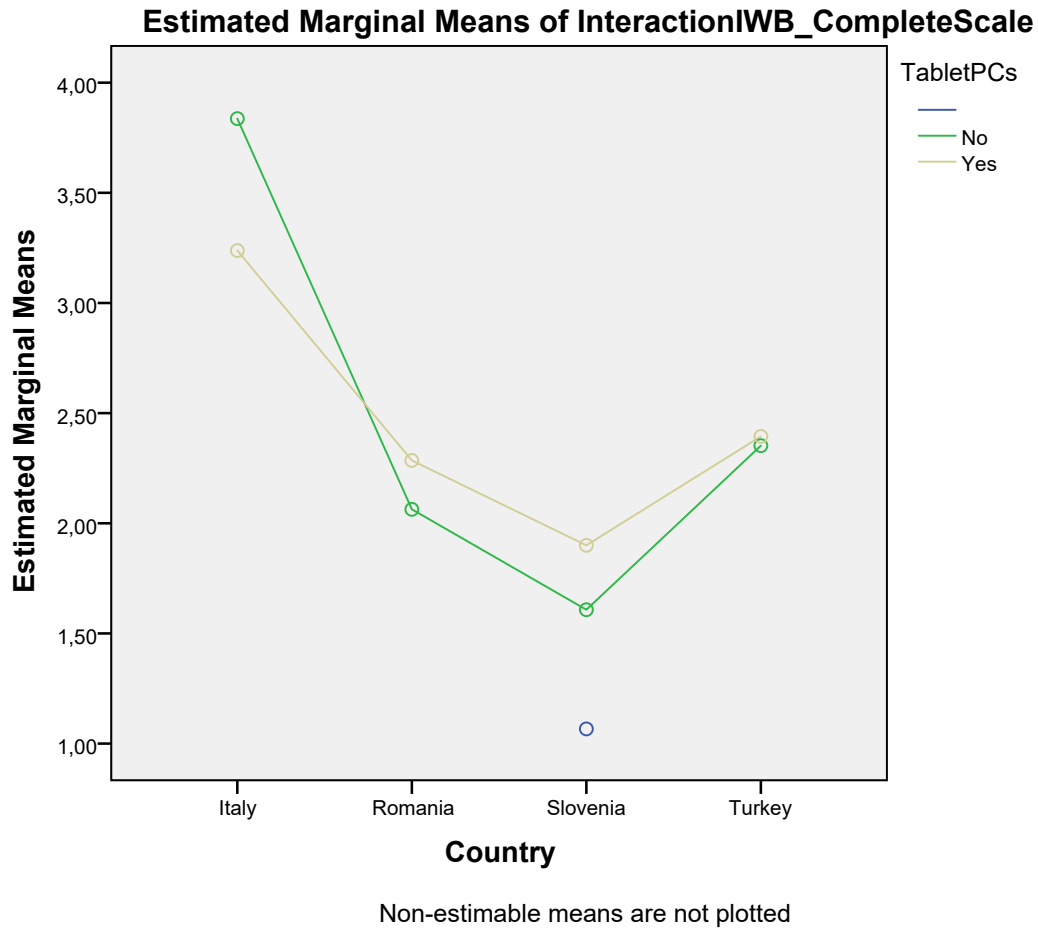
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,537 ^a	,156	3,230	3,844
Romania	2,174 ^a	,114	1,950	2,399
Slovenia	1,525	,351	,834	2,216
Turkey	2,373 ^a	,124	2,130	2,617

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:56:13
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll230318_ processed.sav
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Internet /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Internet(TUKEY) /PLOT=PROFILE(Country*Internet) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Internet Country*Internet.
Resources	Processor Time	00:00:00,11
	Elapsed Time	00:00:00,10

Warnings

Post hoc tests are not performed for Internet because at least one group has fewer than two cases.
--

Between-Subjects Factors

	Value Label	N
Country	1 Italy	41
	2 Romania	107
	3 Slovenia	48
	4 Turkey	79
Internet	0 No	57
	1 Yes	217

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Internet	Mean	Std. Deviation	N
Italy	No	3,2333	1,58371	4
	Yes	3,5622	,72496	37
	Total	3,5301	,81907	41
Romania	No	1,9951	1,17217	27
	Yes	2,1558	1,30108	80
	Total	2,1153	1,26632	107
Slovenia		1,0667	.	1
	No	1,0000	,00000	2
	Yes	1,7126	,87350	45
	Total	1,6694	,86190	48
Turkey	No	2,3611	,78239	24
	Yes	2,3661	,67997	55
	Total	2,3646	,70754	79
Total		1,0667	.	1
	No	2,2012	1,08756	57
	Yes	2,3570	1,15241	217
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
9,324	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Internet + Country * Internet

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	87,249 ^a	8	10,906	10,804	,000
Intercept	87,875	1	87,875	87,050	,000
Country	28,400	3	9,467	9,378	,000
Internet	1,949	2	,974	,965	,382
Country * Internet	1,070	3	,357	,353	,787
Error	268,520	266	1,009		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,245 (Adjusted R Squared = ,223)

Estimated Marginal Means

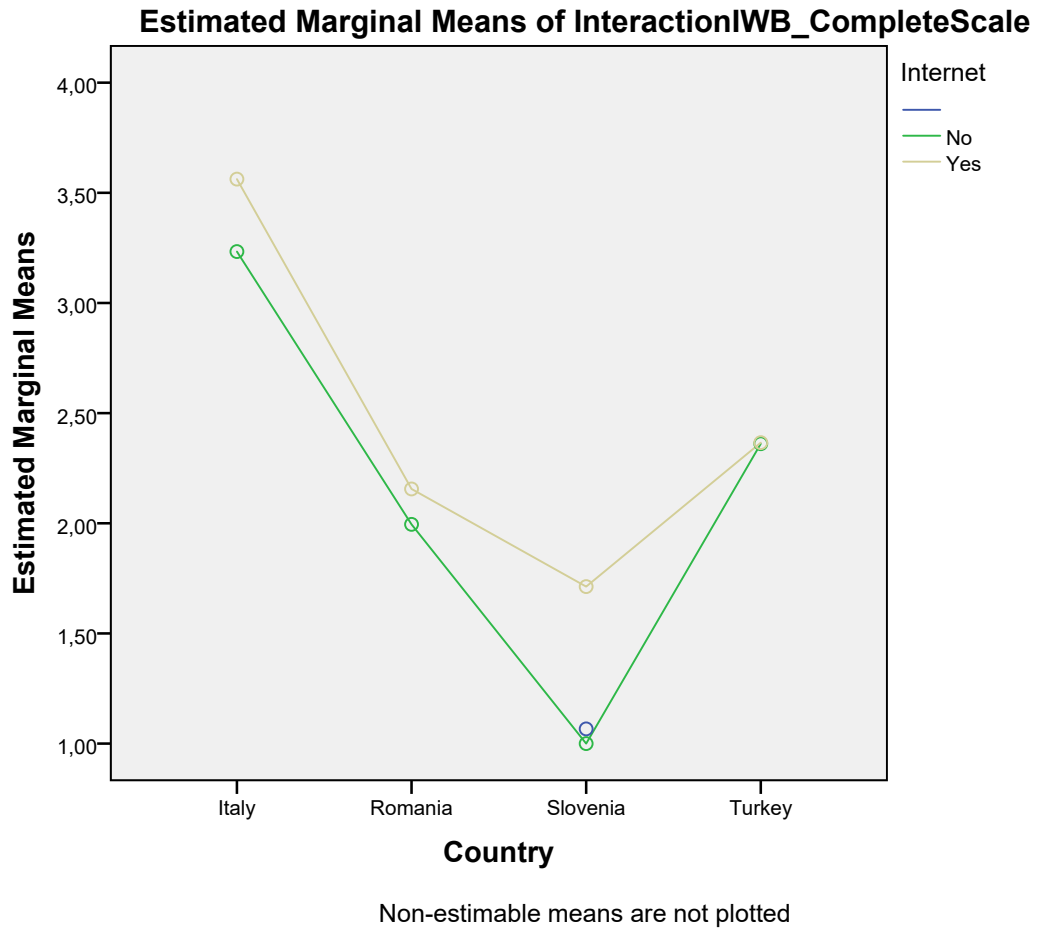
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,398 ^a	,264	2,877	3,918
Romania	2,075 ^a	,112	1,855	2,296
Slovenia	1,260	,413	,446	2,073
Turkey	2,364 ^a	,123	2,122	2,606

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:56:51
Comments		
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	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country ProjectionDevices /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=ProjectionDevices (TUKEY) /PLOT=PROFILE (Country*ProjectionDevices) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country ProjectionDevices Country*ProjectionDevices.
Resources	Processor Time	00:00:00,19
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Warnings

Post hoc tests are not performed for ProjectionDevices because at least one group has fewer than two cases.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
ProjectionDevices			1
	0	No	213
	1	Yes	61

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	ProjectionDevices	Mean	Std. Deviation	N
Italy	No	3,5639	,91006	24
	Yes	3,4824	,69463	17
	Total	3,5301	,81907	41
Romania	No	2,0859	1,21269	83
	Yes	2,2167	1,46063	24
	Total	2,1153	1,26632	107
Slovenia		1,0667	.	1
	No	1,6342	,84527	37
	Yes	1,8600	,96734	10
	Total	1,6694	,86190	48
Turkey	No	2,2957	,65204	69
	Yes	2,8400	,91581	10
	Total	2,3646	,70754	79
Total		1,0667	.	1
	No	2,2419	1,09047	213
	Yes	2,6131	1,26203	61
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
9,516	8	266	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + ProjectionDevices + Country * ProjectionDevices

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	88,737 ^a	8	11,092	11,049	,000
Intercept	103,055	1	103,055	102,657	,000
Country	68,492	3	22,831	22,742	,000
ProjectionDevices	2,052	2	1,026	1,022	,361
Country * ProjectionDevices	1,902	3	,634	,631	,595
Error	267,031	266	1,004		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,249 (Adjusted R Squared = ,227)

Estimated Marginal Means

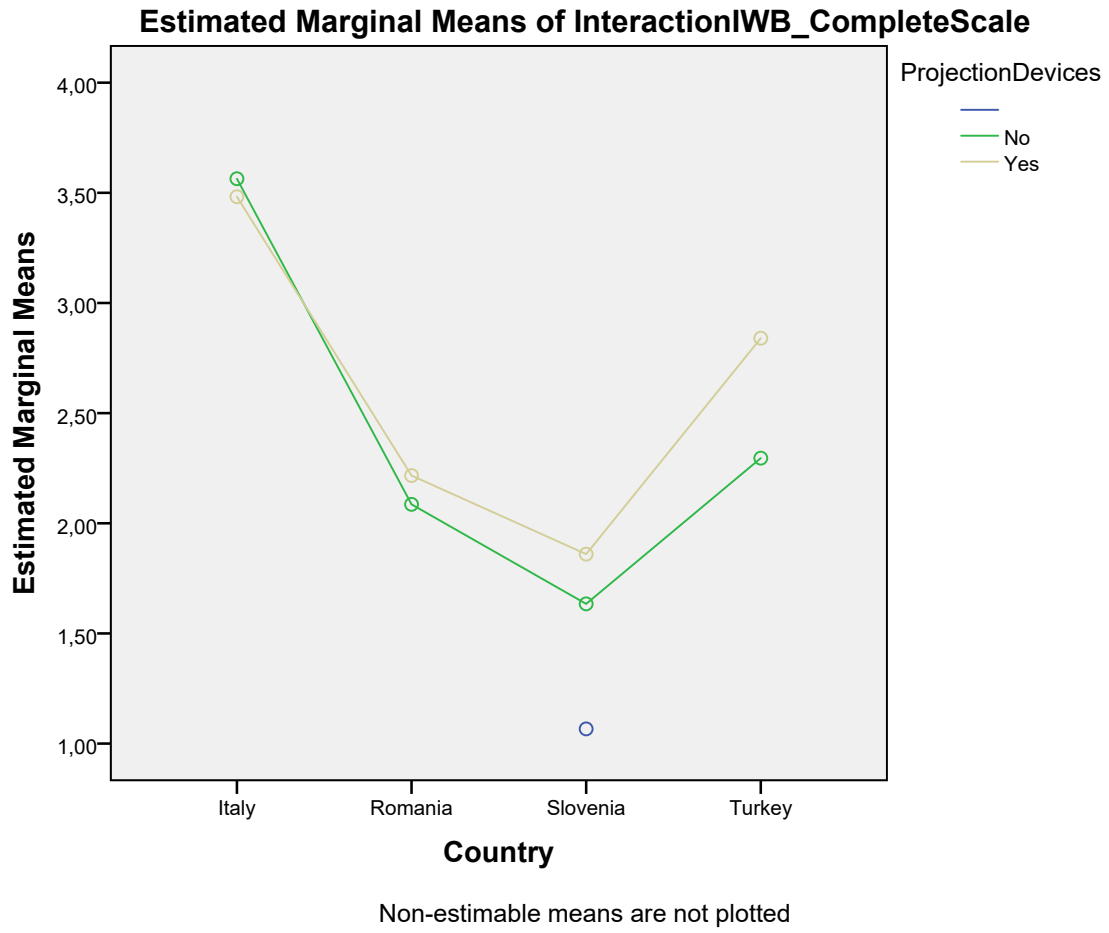
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,523 ^a	,159	3,210	3,836
Romania	2,151 ^a	,116	1,923	2,380
Slovenia	1,520	,355	,822	2,218
Turkey	2,568 ^a	,170	2,234	2,902

a. Based on modified population marginal mean.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 11:59:59
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country ICTuseDuringGraduateEducation /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=ICTuseDuringGraduate Education(TUKEY) /PLOT=PROFILE (Country*ICTuseDuringGraduate Education) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country ICTuseDuringGraduateEducation Country*ICTuseDuringGraduate Education.
Resources	Processor Time	00:00:00,17
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
ITuseDuringGraduateEducation	1	Always	17
	2	Generally	58
	3	Sometimes	73
	4	Hardly ever	52
	5	Never	75

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	ITuseDuringGraduateEducation	Mean	Std. Deviation	N
Italy	Always	2,6833	1,13709	4
	Generally	3,5190	,78845	14
	Sometimes	3,5500	,82591	12
	Hardly ever	3,8303	,59207	11
	Total	3,5301	,81907	41
Romania	Always	2,8800	,97912	5
	Generally	2,2528	1,31465	24
	Sometimes	2,5493	1,36141	25
	Hardly ever	2,3429	1,29875	14
	Never	1,5726	1,02195	39
	Total	2,1153	1,26632	107
Slovenia	Always	1,5667	,70711	2
	Generally	2,0667	1,50849	2
	Sometimes	1,7576	,79458	11
	Hardly ever	1,7286	,99106	14
	Never	1,5439	,82620	19
	Total	1,6694	,86190	48
Turkey	Always	3,3222	,87678	6
	Generally	2,4222	,76662	18
	Sometimes	2,1573	,54870	25
	Hardly ever	2,2359	,63922	13
	Never	2,3686	,62411	17
	Total	2,3646	,70754	79
Total	Always	2,8353	1,02473	17
	Generally	2,6046	1,15435	58
	Sometimes	2,4603	1,10365	73
	Hardly ever	2,4654	1,18895	52
	Never	1,7458	,94971	75
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_Complete

F	df1	df2	Sig.
3,427	18	256	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + ITuseDuringGraduateEducation + Country * ICTuseDuringGraduateEducation

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	116,777 ^a	18	6,488	6,949	,000
Intercept	925,622	1	925,622	991,496	,000
Country	31,768	3	10,589	11,343	,000
ITuseDuringGraduateEducation	7,404	4	1,851	1,983	,098
Country * ITuseDuringGraduateEducation	19,568	11	1,779	1,906	,039
Error	238,992	256	,934		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,328 (Adjusted R Squared = ,281)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,396 ^a	,170	3,061	3,731
Romania	2,320	,119	2,085	2,554
Slovenia	1,733	,213	1,313	2,152
Turkey	2,501	,122	2,261	2,741

a. Based on modified population marginal mean.

Post Hoc Tests

ICTuseDuringGraduateEducation

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale
 Tukey HSD

(I) ITuseDuringGraduateEduca tion	(J) ICTuseDuringGraduateEduca tion	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Always	Generally	,2307	,26648	,909	-,5014	,9628
	Sometimes	,3750	,26020	,602	-,3398	1,0899
	Hardly ever	,3699	,26994	,647	-,3717	1,1115
	Never	1,0895*	,25954	,000	,3765	1,8026
Generally	Always	-,2307	,26648	,909	-,9628	,5014
	Sometimes	,1443	,16995	,915	-,3226	,6112
	Hardly ever	,1392	,18452	,943	-,3677	,6462
	Never	,8588*	,16895	,000	,3947	1,3230
Sometimes	Always	-,3750	,26020	,602	-1,0899	,3398
	Generally	-,1443	,16995	,915	-,6112	,3226
	Hardly ever	-,0051	,17533	1,000	-,4868	,4766
	Never	,7145*	,15886	,000	,2781	1,1509
Hardly ever	Always	-,3699	,26994	,647	-1,1115	,3717
	Generally	-,1392	,18452	,943	-,6462	,3677
	Sometimes	,0051	,17533	1,000	-,4766	,4868
	Never	,7196*	,17436	,000	,2406	1,1986
Never	Always	-1,0895*	,25954	,000	-1,8026	-,3765
	Generally	-,8588*	,16895	,000	-1,3230	-,3947
	Sometimes	-,7145*	,15886	,000	-1,1509	-,2781
	Hardly ever	-,7196*	,17436	,000	-1,1986	-,2406

Based on observed means.

The error term is Mean Square(Error) = ,934.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

ITuseDuringGraduateEduca tion	N	Subset	
		1	2
Never	75	1,7458	
Sometimes	73		2,4603
Hardly ever	52		2,4654
Generally	58		2,6046
Always	17		2,8353
Sig.		1,000	,403

Means for groups in homogeneous subsets are displayed.

Based on observed means.

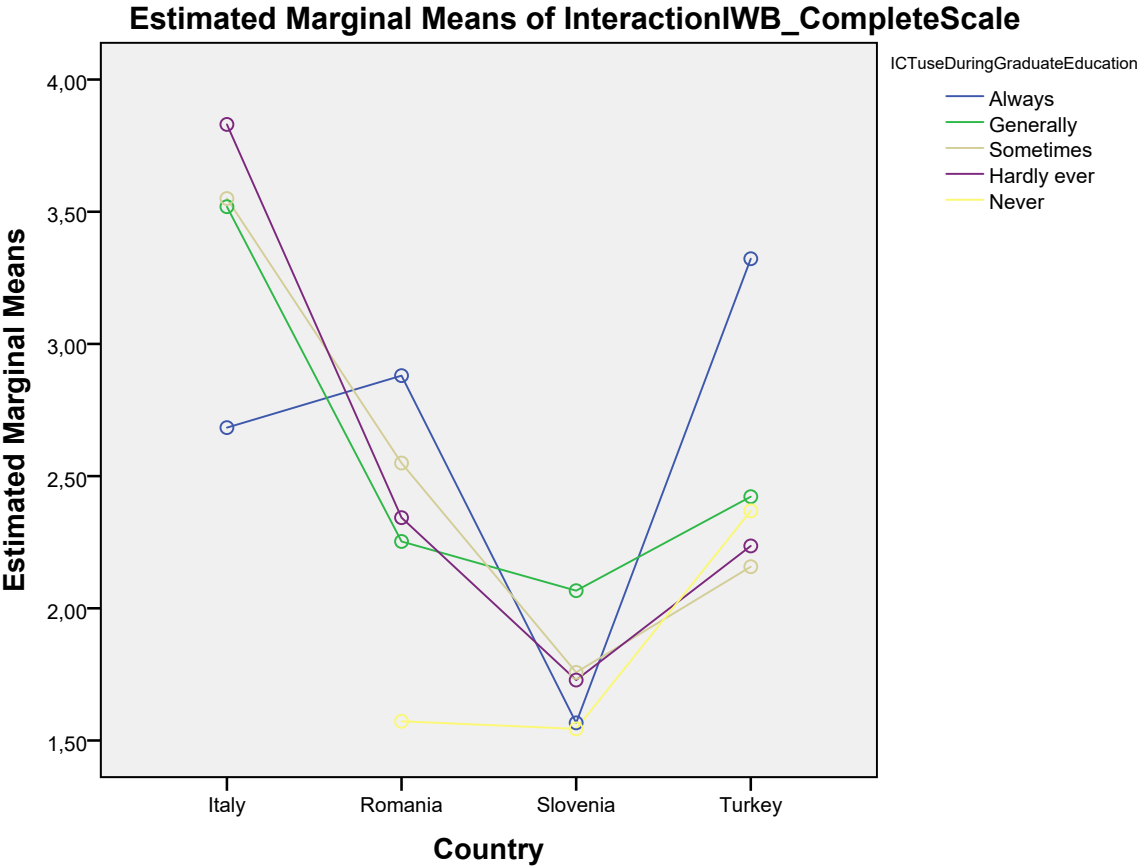
The error term is Mean Square(Error) = ,934.

a. Uses Harmonic Mean Sample Size = 40,874.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Non-estimable means are not plotted

Univariate Analysis of Variance

Notes

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	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
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Resources	Processor Time	00:00:00,14
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Warnings

Post hoc tests are not performed for PerceptionOnItpreparationDuringGraduateEducation because at least one group has fewer than two cases.
--

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
PerceptionOnItpreparation DuringGraduateEducation	-	-	1
	1	Very well	27
	2	Well	53
	3	So so	81
	4	Not enough	67
	5	None	46

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	PerceptionOnItpreparation DuringGraduateEducation	Mean	Std. Deviation	N
Italy	Very well	3,2000	1,61475	4
	Well	3,1667	,64060	4
	So so	3,4222	,70217	21
	Not enough	3,9500	,64644	12
	Total	3,5301	,81907	41
Romania	Very well	2,5167	1,30605	16
	Well	2,4452	1,30133	31
	So so	2,1653	1,22612	25
	Not enough	1,7569	1,15661	17
	None	1,4593	1,08896	18
	Total	2,1153	1,26632	107
Slovenia	Well	1,2333	,32998	2
	So so	1,8667	,71625	8
	Not enough	1,7455	,95011	22
	None	1,5208	,85970	16
	Total	1,6694	,86190	48
Turkey	-	2,6000	.	1
	Very well	2,9333	1,04066	7
	Well	2,4833	,73535	16
	So so	2,3062	,61024	27
	Not enough	2,1167	,54894	16
	None	2,3167	,77388	12
	Total	2,3646	,70754	79
Total	-	2,6000	.	1
	Very well	2,7259	1,26806	27
	Well	2,4654	1,12040	53
	So so	2,5086	1,02526	81

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	PerceptionOnITpreparation DuringGraduateEducation	Mean	Std. Deviation	N
	Not enough	2,2318	1,19440	67
	None	1,7043	,98829	46
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_Complete

F	df1	df2	Sig.
3,771	18	256	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

- a. Design: Intercept + Country + PerceptionOnITpreparationDuringGraduateEducation + Country * PerceptionOnICTpreparationDuringGraduateEducation

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	109,082 ^a	18	6,060	6,289	,000
Intercept	332,759	1	332,759	345,321	,000
Country	42,319	3	14,106	14,639	,000
PerceptionOnITpreparation DuringGraduateEducation	4,862	5	,972	1,009	,413
Country * PerceptionOnITpreparation DuringGraduateEducation	13,157	10	1,316	1,365	,197
Error	246,687	256	,964		
Total	1835,929	275			
Corrected Total	355,769	274			

- a. R Squared = ,307 (Adjusted R Squared = ,258)

Estimated Marginal Means

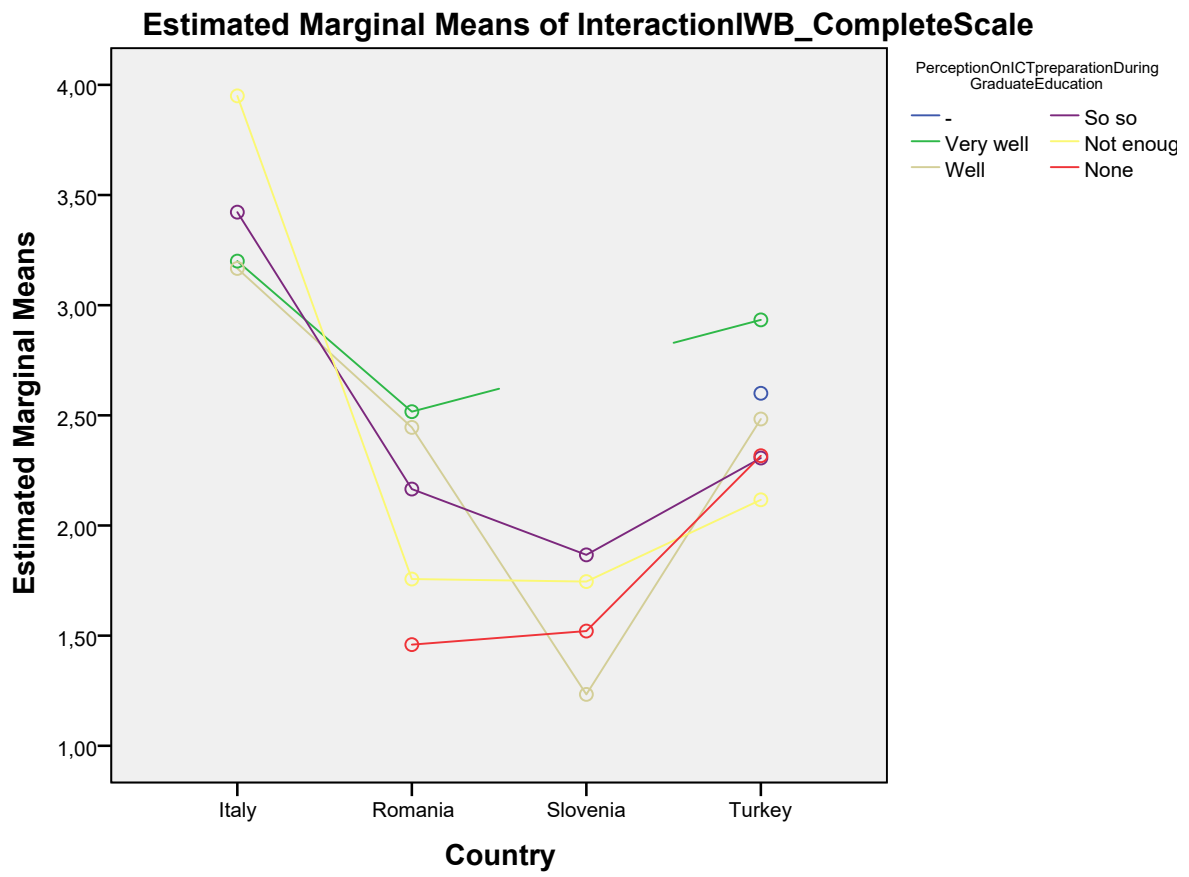
Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,435 ^a	,195	3,051	3,819
Romania	2,069 ^a	,098	1,876	2,262
Slovenia	1,592 ^a	,210	1,178	2,005
Turkey	2,459	,193	2,080	2,839

a. Based on modified population marginal mean.

Profile Plots



Non-estimable means are not plotted

Univariate Analysis of Variance

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Taking_IT_Training /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Taking_IT_Training (TUKEY) /PLOT=PROFILE (Country*Taking_IT_Training) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Taking_IT_Training Country*Taking_IT_Training.
Resources	Processor Time	00:00:00,16
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Warnings

Post hoc tests are not performed for Taking_IT_Training because there are fewer than three groups.
--

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Taking_IT_Training	1	Yes	138
	2	No	137

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Taking_IT_Training	Mean	Std. Deviation	N
Italy	Yes	3,3121	,81660	22
	No	3,7825	,76654	19
	Total	3,5301	,81907	41
Romania	Yes	3,0479	1,19060	39
	No	1,5804	,96767	68
	Total	2,1153	1,26632	107
Slovenia	Yes	2,0561	,89367	19
	No	1,4161	,75207	29
	Total	1,6694	,86190	48
Turkey	Yes	2,3632	,68991	58
	No	2,3683	,77190	21
	Total	2,3646	,70754	79
Total	Yes	2,6657	,99865	138
	No	1,9718	1,16957	137
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
2,650	7	267	,012

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Taking_IT_Training + Country * Taking_IT_Training

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	145,325 ^a	7	20,761	26,340	,000
Intercept	1367,274	1	1367,274	1734,723	,000
Country	74,589	3	24,863	31,545	,000
Taking_IT_Training	9,173	1	9,173	11,638	,001
Country * Taking_IT_Training	35,945	3	11,982	15,202	,000
Error	210,444	267	,788		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,408 (Adjusted R Squared = ,393)

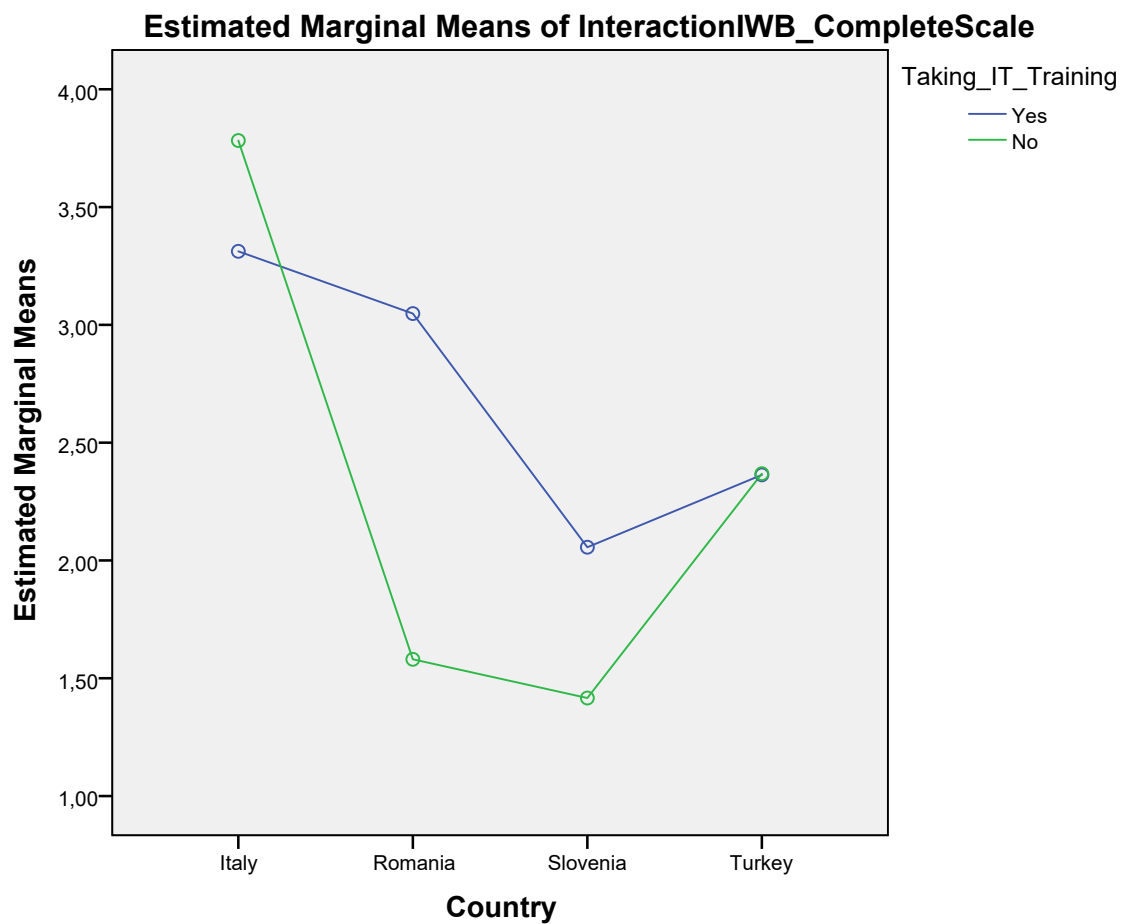
Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,547	,139	3,274	3,821
Romania	2,314	,089	2,139	2,490
Slovenia	1,736	,131	1,478	1,994
Turkey	2,366	,113	2,143	2,588

Profile Plots



Univariate Analysis of Variance

Notes

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Comments		
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Perception_on_IT_Training /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Perception_on_IT_Trai ning(TUKEY) /PLOT=PROFILE (Country*Perception_on_IT_Training) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Perception_on_IT_Training Country*Perception_on_IT_Training.
Resources	Processor Time	00:00:00,16
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Perception_on_IT_Training	0	0	68
	1	Satisfactory	29
	2	Partly satisfactory	61
	3	Not satisfactory	117

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Perception_on_IT_Training	Mean	Std. Deviation	N
Italy	0	3,8259	,76428	18
	Partly satisfactory	3,4905	,62188	14
	Not satisfactory	3,0000	,98432	9
	Total	3,5301	,81907	41
Romania	Partly satisfactory	2,6889	1,06566	12
	Not satisfactory	2,0428	1,27596	95
	Total	2,1153	1,26632	107
Slovenia	0	1,4161	,75207	29
	Satisfactory	2,9333	.	1
	Partly satisfactory	1,9750	,99391	8
	Not satisfactory	2,0333	,85851	10
	Total	1,6694	,86190	48
Turkey	0	2,3714	,77131	21
	Satisfactory	2,5000	,76260	28
	Partly satisfactory	2,1778	,58295	27
	Not satisfactory	2,7333	,61101	3
	Total	2,3646	,70754	79
Total	0	2,3490	1,23493	68
	Satisfactory	2,5149	,75317	29
	Partly satisfactory	2,5530	,93336	61
	Not satisfactory	2,1333	1,23487	117
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
6,389	12	262	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Perception_on_IT_Training + Country * Perception_on_IT_Training

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	100,961 ^a	12	8,413	8,651	,000
Intercept	431,120	1	431,120	443,289	,000
Country	44,376	3	14,792	15,209	,000
Perception_on_IT_Training	1,695	3	,565	,581	,628
Country * Perception_on_IT_Training	12,913	6	2,152	2,213	,042
Error	254,808	262	,973		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,284 (Adjusted R Squared = ,251)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,439 ^a	,160	3,123	3,755
Romania	2,366 ^a	,151	2,068	2,663
Slovenia	2,089	,277	1,545	2,634
Turkey	2,446	,166	2,119	2,773

a. Based on modified population marginal mean.

Post Hoc Tests

Perception_on_IT_Training

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) Perception_on_IT_Training	(J) Perception_on_IT_Training	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0	Satisfactory	-,1659	,21872	,873	-,7314	,3996
	Partly satisfactory	-,2040	,17391	,644	-,6537	,2457
	Not satisfactory	,2157	,15038	,479	-,1731	,6045
Satisfactory	0	,1659	,21872	,873	-,3996	,7314
	Partly satisfactory	-,0381	,22244	,998	-,6132	,5371
	Not satisfactory	,3816	,20457	,246	-,1473	,9105
Partly satisfactory	0	,2040	,17391	,644	-,2457	,6537
	Satisfactory	,0381	,22244	,998	-,5371	,6132
	Not satisfactory	,4197*	,15574	,037	,0170	,8224
Not satisfactory	0	-,2157	,15038	,479	-,6045	,1731
	Satisfactory	-,3816	,20457	,246	-,9105	,1473
	Partly satisfactory	-,4197*	,15574	,037	-,8224	-,0170

Based on observed means.

The error term is Mean Square(Error) = ,973.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Perception_on_IT_Training	N	Subset
		1
Not satisfactory	117	2,1333
0	68	2,3490
Satisfactory	29	2,5149
Partly satisfactory	61	2,5530
Sig.		,123

Means for groups in homogeneous subsets are displayed.

Based on observed means.

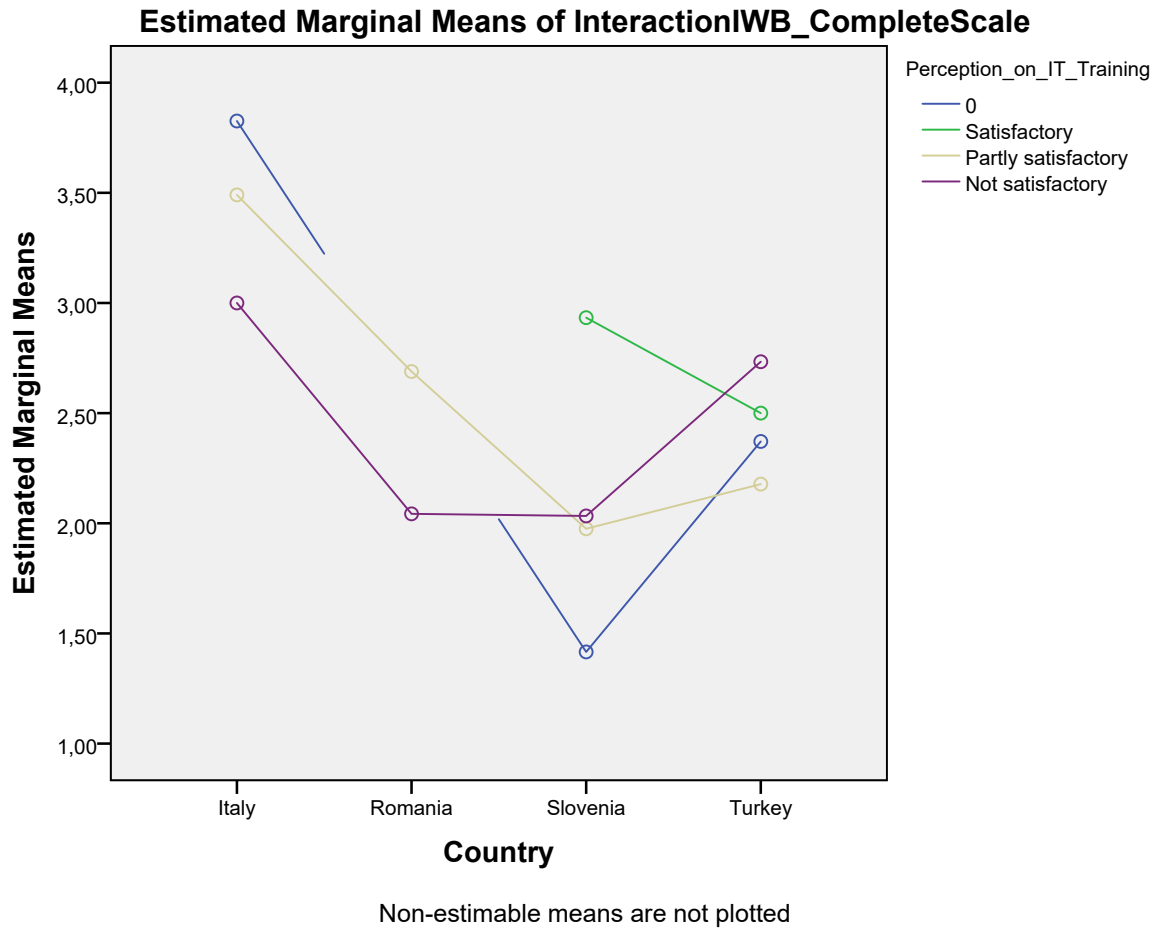
The error term is Mean Square(Error) = ,973.

a. Uses Harmonic Mean Sample Size = 53,960.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

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	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Taking_Training_on_Use_IT_in_Course /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Taking_Training_on_Use_IT_in_Course(TUKEY) /PLOT=PROFILE (Country*Taking_Training_on_Use_IT_in_Course) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Taking_Training_on_Use_IT_in_Course Country*Taking_Training_on_Use_IT_in_Course.
Resources	Processor Time	00:00:00,14
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Warnings

Post hoc tests are not performed for Taking_Training_on_Use_IT_in_Course because there are fewer than three groups.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Taking_Training_on_Use_I T_in_Course	1	Yes	92
	2	No	183

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Taking_Training_on_Use_I T_in_Course	Mean	Std. Deviation	N
Italy	Yes	3,2140	,87731	19
	No	3,8030	,67062	22
	Total	3,5301	,81907	41
Romania	Yes	2,9429	1,23976	21
	No	1,9132	1,19481	86
	Total	2,1153	1,26632	107
Slovenia	Yes	2,2133	1,05240	5
	No	1,6062	,82857	43
	Total	1,6694	,86190	48
Turkey	Yes	2,3291	,76182	47
	No	2,4167	,62745	32
	Total	2,3646	,70754	79
Total	Yes	2,6457	,99094	92
	No	2,1563	1,17611	183
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
5,942	7	267	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Taking_Training_on_Use_IT_in_Course + Country * Taking_Training_on_Use_IT_in_Course

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	108,222 ^a	7	15,460	16,675	,000
Intercept	964,471	1	964,471	1040,263	,000
Country	48,035	3	16,012	17,270	,000
Taking_Training_on_Use_I T_in_Course	2,129	1	2,129	2,296	,131
Country * Taking_Training_on_Use_I T_in_Course	20,177	3	6,726	7,254	,000
Error	247,547	267	,927		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,304 (Adjusted R Squared = ,286)

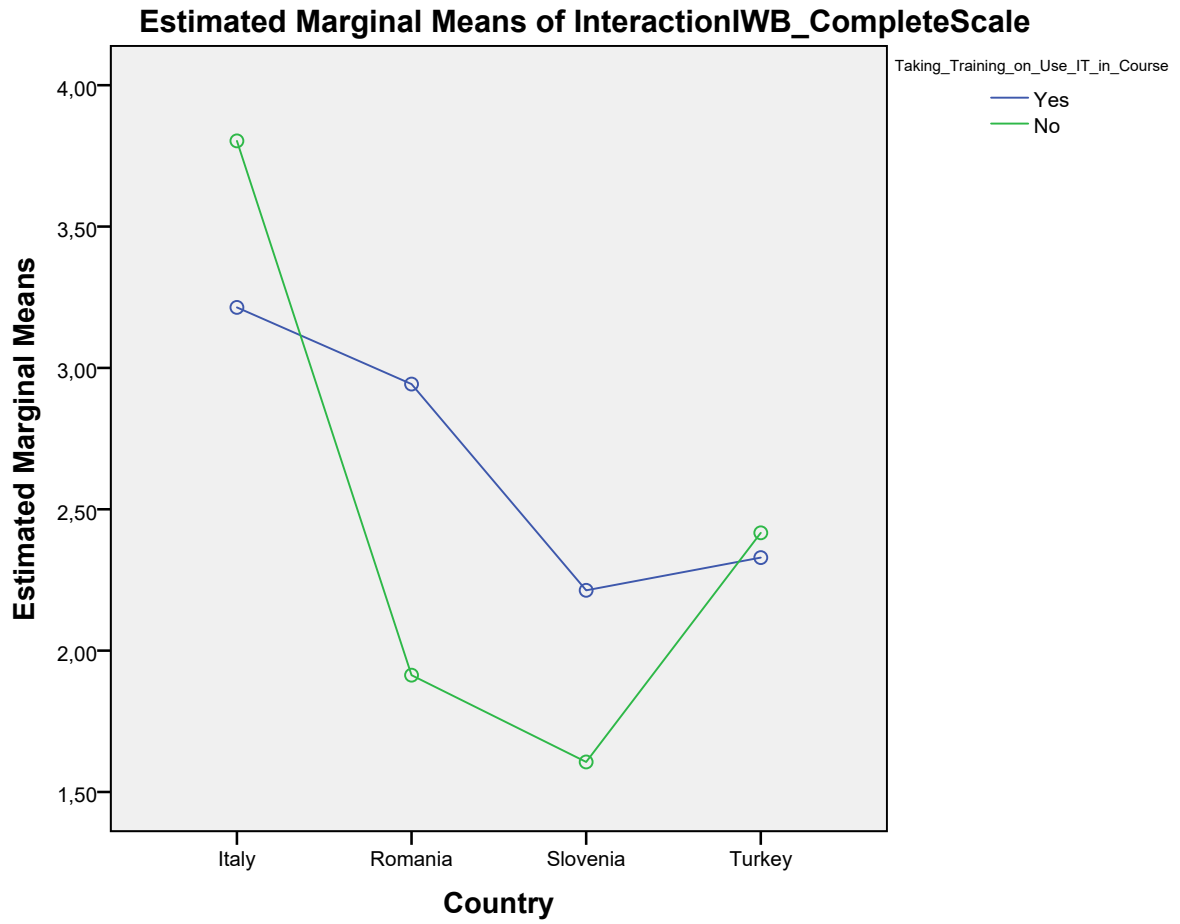
Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,509	,151	3,212	3,805
Romania	2,428	,117	2,197	2,659
Slovenia	1,910	,227	1,462	2,358
Turkey	2,373	,110	2,156	2,590

Profile Plots



Univariate Analysis of Variance

Notes

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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country IWB_Competency /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=IWB_Competency (TUKEY) /PLOT=PROFILE (Country*IWB_Competency) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country IWB_Competency Country*IWB_Competency.
Resources	Processor Time	00:00:00,19
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
IWB_Competency			2
	1	Low	120
	2	Moderate	118
	3	High	27
	4	Expert	8

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	IWB_Competency	Mean	Std. Deviation	N
Italy	Low	4,2400	,58895	10
	Moderate	3,3968	,64686	21
	High	3,1250	1,07227	8
	Expert	3,0000	,09428	2
	Total	3,5301	,81907	41
Romania	Low	1,8142	1,24284	75
	Moderate	2,7889	,97439	24
	High	2,6778	1,36913	6
	Expert	3,6333	,51854	2
	Total	2,1153	1,26632	107
Slovenia		1,0000	,00000	2
	Low	1,4556	,81275	30
	Moderate	2,1476	,81573	14
	High	2,2000	1,03709	2
	Total	1,6694	,86190	48
Turkey	Low	2,0800	,40934	5
	Moderate	2,2554	,63766	59
	High	2,7818	,45126	11
	Expert	3,1833	1,53321	4
	Total	2,3646	,70754	79
Total		1,0000	,00000	2
	Low	1,9378	1,29146	120
	Moderate	2,5542	,85862	118
	High	2,8173	,92369	27
	Expert	3,2500	1,05334	8
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
3,414	15	259	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + IWB_Competency + Country * IWB_Competency

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	128,213 ^a	15	8,548	9,729	,000
Intercept	348,122	1	348,122	396,227	,000
Country	19,389	3	6,463	7,356	,000
IWB_Competency	4,776	4	1,194	1,359	,249
Country * IWB_Competency	26,876	8	3,359	3,824	,000
Error	227,556	259	,879		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,360 (Adjusted R Squared = ,323)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,440 ^a	,206	3,035	3,846
Romania	2,729 ^a	,199	2,337	3,121
Slovenia	1,701 ^a	,246	1,216	2,186
Turkey	2,575 ^a	,175	2,230	2,920

a. Based on modified population marginal mean.

Post Hoc Tests

IWB_Competency

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) IWB_Competency	(J) IWB_Competency	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	Low	-,9378	,66830	,626	-2,7736	,8981
	Moderate	-1,5542	,66839	,140	-3,3904	,2819
	High	-1,8173	,68690	,065	-3,7043	,0697
	Expert	-2,2500*	,74103	,022	-4,2857	-,2143
Low		,9378	,66830	,626	-,8981	2,7736
	Moderate	-,6165*	,12152	,000	-,9503	-,2826
	High	-,8795*	,19965	,000	-1,4280	-,3310
	Expert	-1,3122*	,34227	,001	-2,2525	-,3720
Moderate		1,5542	,66839	,140	-,2819	3,3904
	Low	,6165*	,12152	,000	,2826	,9503
	High	-,2630	,19997	,682	-,8124	,2863
	Expert	-,6958	,34245	,254	-1,6365	,2450
High		1,8173	,68690	,065	-,0697	3,7043
	Low	,8795*	,19965	,000	,3310	1,4280
	Moderate	,2630	,19997	,682	-,2863	,8124
	Expert	-,4327	,37731	,781	-1,4692	,6038
Expert		2,2500*	,74103	,022	,2143	4,2857
	Low	1,3122*	,34227	,001	,3720	2,2525
	Moderate	,6958	,34245	,254	-,2450	1,6365
	High	,4327	,37731	,781	-,6038	1,4692

Based on observed means.

The error term is Mean Square(Error) = ,879.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

IWB_Competency	N	Subset	
		1	2
	2	1,0000	
Low	120	1,9378	1,9378
Moderate	118		2,5542
High	27		2,8173
Expert	8		3,2500
Sig.		,309	,059

Means for groups in homogeneous subsets are displayed.

Based on observed means.

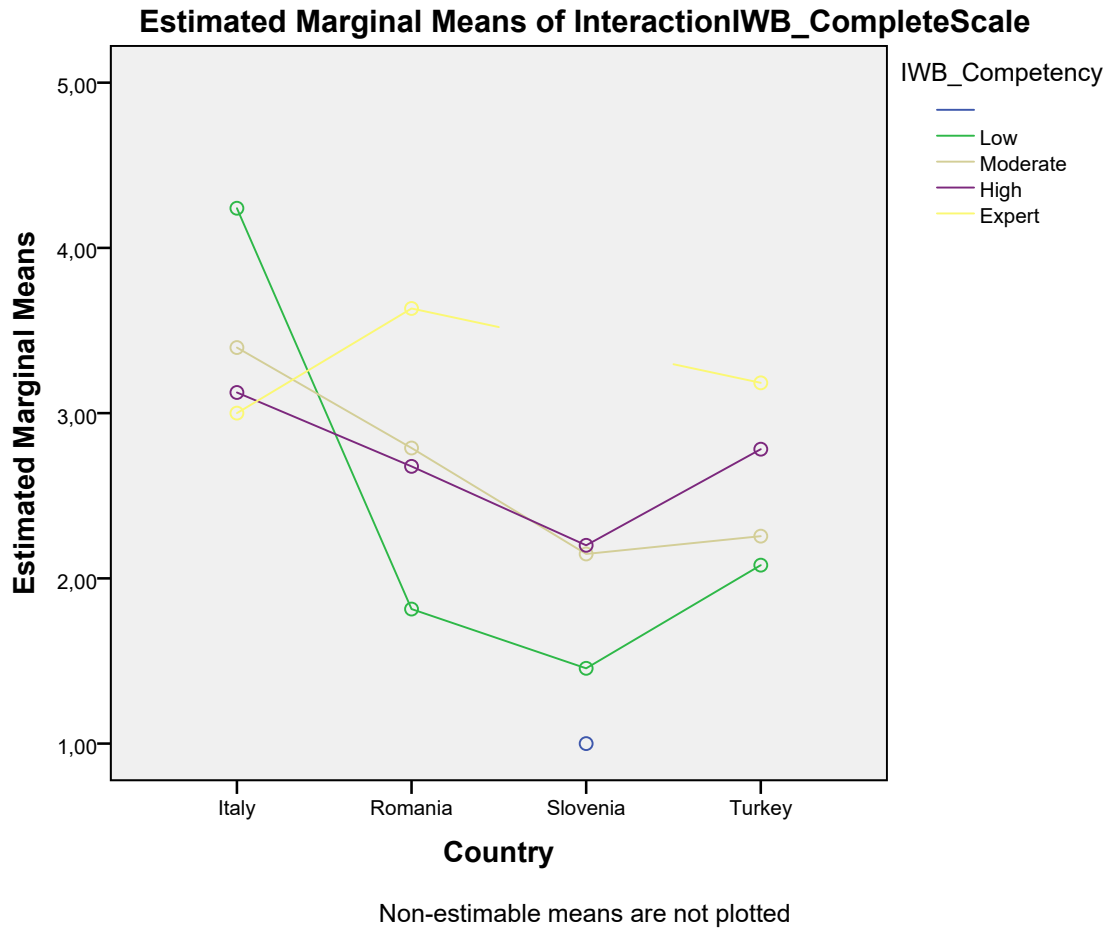
The error term is Mean Square(Error) = ,879.

a. Uses Harmonic Mean Sample Size = 7,365.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country IWB_Use_Frequency /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=IWB_Use_Frequency (TUKEY) /PLOT=PROFILE (Country*IWB_Use_Frequency) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country IWB_Use_Frequency Country*IWB_Use_Frequency.
Resources	Processor Time	00:00:00,22
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
IWB_Use_Frequency	1	Every lesson	39
	2	Only with some subjects	82
	3	Several times a week	26
	4	Several times a month	88
	5	Never	40

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	IWB_Use_Frequency	Mean	Std. Deviation	N
Italy	Every lesson	2,8571	,88980	7
	Only with some subjects	3,4491	,75648	19
	Several times a week	3,7444	,64555	6
	Several times a month	3,5333	,48074	3
	Never	4,3556	,56201	6
	Total	3,5301	,81907	41
Romania	Every lesson	2,6667	,37712	2
	Only with some subjects	2,4827	1,17051	25
	Several times a week	3,1333	1,29271	6
	Several times a month	1,8937	1,25384	74
	Total	2,1153	1,26632	107
Slovenia	Every lesson	3,0667	1,13137	2
	Only with some subjects	2,1750	,56897	8
	Several times a week	1,2000	.	1
	Several times a month	2,0667	,77057	6
	Never	1,3871	,79189	31
	Total	1,6694	,86190	48
Turkey	Every lesson	2,6286	,70610	28
	Only with some subjects	2,3867	,62744	30
	Several times a week	2,1795	,74704	13
	Several times a month	1,6800	,34448	5
	Never	1,6222	,54297	3
	Total	2,3646	,70754	79
Total	Every lesson	2,6940	,72945	39
	Only with some subjects	2,6415	,95309	82
	Several times a week	2,7231	1,10573	26
	Several times a month	1,9492	1,20760	88

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	IWB_Use_Frequency	Mean	Std. Deviation	N
	Never	1,8500	1,29542	40
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
3,631	18	256	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + IWB_Use_Frequency + Country * IWB_Use_Frequency

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	122,481 ^a	18	6,805	7,467	,000
Intercept	583,953	1	583,953	640,805	,000
Country	42,895	3	14,298	15,691	,000
IWB_Use_Frequency	2,998	4	,750	,822	,512
Country * IWB_Use_Frequency	24,844	11	2,259	2,478	,006
Error	233,288	256	,911		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,344 (Adjusted R Squared = ,298)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,588	,177	3,239	3,937
Romania	2,544 ^a	,203	2,145	2,943
Slovenia	1,979	,258	1,471	2,487
Turkey	2,099	,157	1,790	2,409

a. Based on modified population marginal mean.

Post Hoc Tests

IWB_Use_Frequency

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) IWB_Use_Frequency	(J) IWB_Use_Frequency	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Every lesson	Only with some subjects	,0526	,18569	,999	-,4576	,5627
	Several times a week	-,0291	,24169	1,000	-,6931	,6349
	Several times a month	,7448*	,18363	,001	,2403	1,2493
	Never	,8440*	,21482	,001	,2538	1,4342
Only with some subjects	Every lesson	-,0526	,18569	,999	-,5627	,4576
	Several times a week	-,0816	,21485	,996	-,6719	,5087
	Several times a month	,6922*	,14652	,000	,2897	1,0948
	Never	,7915*	,18411	,000	,2857	1,2973
Several times a week	Every lesson	,0291	,24169	1,000	-,6349	,6931
	Only with some subjects	,0816	,21485	,996	-,5087	,6719
	Several times a month	,7738*	,21308	,003	,1884	1,3592
	Never	,8731*	,24048	,003	,2124	1,5338
Several times a month	Every lesson	-,7448*	,18363	,001	-1,2493	-,2403
	Only with some subjects	-,6922*	,14652	,000	-1,0948	-,2897
	Several times a week	-,7738*	,21308	,003	-1,3592	-,1884
	Never	,0992	,18204	,982	-,4009	,5994
Never	Every lesson	-,8440*	,21482	,001	-1,4342	-,2538
	Only with some subjects	-,7915*	,18411	,000	-1,2973	-,2857
	Several times a week	-,8731*	,24048	,003	-1,5338	-,2124
	Several times a month	-,0992	,18204	,982	-,5994	,4009

Based on observed means.

The error term is Mean Square(Error) = ,911.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

IWB_Use_Frequency	N	Subset	
		1	2
Never	40	1,8500	
Several times a month	88	1,9492	
Only with some subjects	82		2,6415
Every lesson	39		2,6940
Several times a week	26		2,7231
Sig.		,988	,994

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,911.

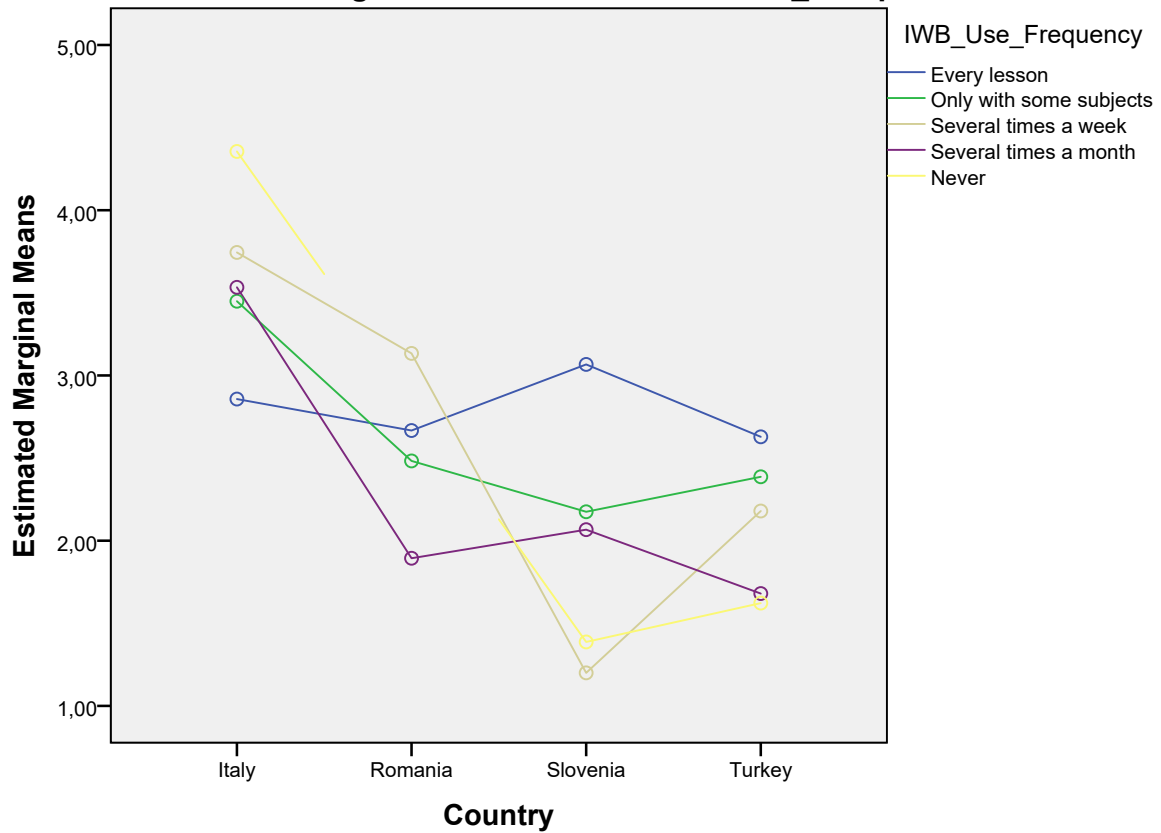
a. Uses Harmonic Mean Sample Size = 44,381.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots

Estimated Marginal Means of InteractionIWB_CompleteScale



Non-estimable means are not plotted

Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 12:36:09
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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Necessity_of_IWB /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Necessity_of_IWB (TUKEY) /PLOT=PROFILE (Country*Necessity_of_IWB) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Necessity_of_IWB Country*Necessity_of_IWB.
Resources	Processor Time	00:00:00,16
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Necessity_of_IWB	1	Always	60
	2	Generally	95
	3	Sometimes	79
	4	Hardly ever	16
	5	Never	25

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Necessity_of_IWB	Mean	Std. Deviation	N
Italy	Always	3,2095	1,19717	7
	Generally	3,2778	,78359	12
	Sometimes	3,7370	,64493	18
	Hardly ever	4,2000	,54569	3
	Never	3,0667	.	1
	Total		3,5301	,81907
Romania	Always	2,3294	1,37176	34
	Generally	2,3519	1,31160	36
	Sometimes	1,9175	1,18019	21
	Hardly ever	1,0000	,00000	2
	Never	1,4429	,71258	14
	Total		2,1153	1,26632
Slovenia	Generally	2,3259	1,15491	9
	Sometimes	1,5947	,72314	25
	Hardly ever	1,6952	,91235	7
	Never	1,0667	,14907	7
	Total		1,6694	,86190
Turkey	Always	2,7965	,75407	19
	Generally	2,4123	,60107	38
	Sometimes	1,8578	,61250	15
	Hardly ever	2,2167	,37859	4
	Never	1,7556	,73434	3
	Total		2,3646	,70754
Total	Always	2,5800	1,21245	60
	Generally	2,4905	1,02940	95
	Sometimes	2,2186	1,17572	79
	Hardly ever	2,2083	1,22972	16
	Never	1,4400	,69921	25
	Total		2,3200	1,13949

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
6,360	18	256	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Necessity_of_IWB + Country * Necessity_of_IWB

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	117,272 ^a	18	6,515	6,993	,000
Intercept	609,602	1	609,602	654,339	,000
Country	37,102	3	12,367	13,275	,000
Necessity_of_IWB	7,729	4	1,932	2,074	,085
Country * Necessity_of_IWB	14,590	11	1,326	1,424	,162
Error	238,497	256	,932		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,330 (Adjusted R Squared = ,282)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,498	,245	3,015	3,981
Romania	1,808	,159	1,496	2,121
Slovenia	1,671 ^a	,159	1,357	1,985
Turkey	2,208	,165	1,883	2,532

a. Based on modified population marginal mean.

Post Hoc Tests

Necessity_of_IWB

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) Necessity_of_IWB	(J) Necessity_of_IWB	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Always	Generally	,0895	,15917	,980	-,3478	,5268
	Sometimes	,3614	,16529	,188	-,0927	,8155
	Hardly ever	,3717	,27158	,648	-,3744	1,1178
	Never	1,1400*	,22977	,000	,5088	1,7712
Generally	Always	-,0895	,15917	,980	-,5268	,3478
	Sometimes	,2720	,14697	,347	-,1318	,6757
	Hardly ever	,2822	,26083	,816	-,4344	,9988
	Never	1,0505*	,21696	,000	,4545	1,6466
Sometimes	Always	-,3614	,16529	,188	-,8155	,0927
	Generally	-,2720	,14697	,347	-,6757	,1318
	Hardly ever	,0102	,26461	1,000	-,7167	,7372
	Never	,7786*	,22149	,005	,1701	1,3871
Hardly ever	Always	-,3717	,27158	,648	-1,1178	,3744
	Generally	-,2822	,26083	,816	-,9988	,4344
	Sometimes	-,0102	,26461	1,000	-,7372	,7167
	Never	,7683	,30902	,097	-,0806	1,6173
Never	Always	-1,1400*	,22977	,000	-1,7712	-,5088
	Generally	-1,0505*	,21696	,000	-1,6466	-,4545
	Sometimes	-,7786*	,22149	,005	-1,3871	-,1701
	Hardly ever	-,7683	,30902	,097	-1,6173	,0806

Based on observed means.

The error term is Mean Square(Error) = ,932.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Necessity_of_IWB	N	Subset	
		1	2
Never	25	1,4400	
Hardly ever	16		2,2083
Sometimes	79		2,2186
Generally	95		2,4905
Always	60		2,5800
Sig.		1,000	,490

Means for groups in homogeneous subsets are displayed.

Based on observed means.

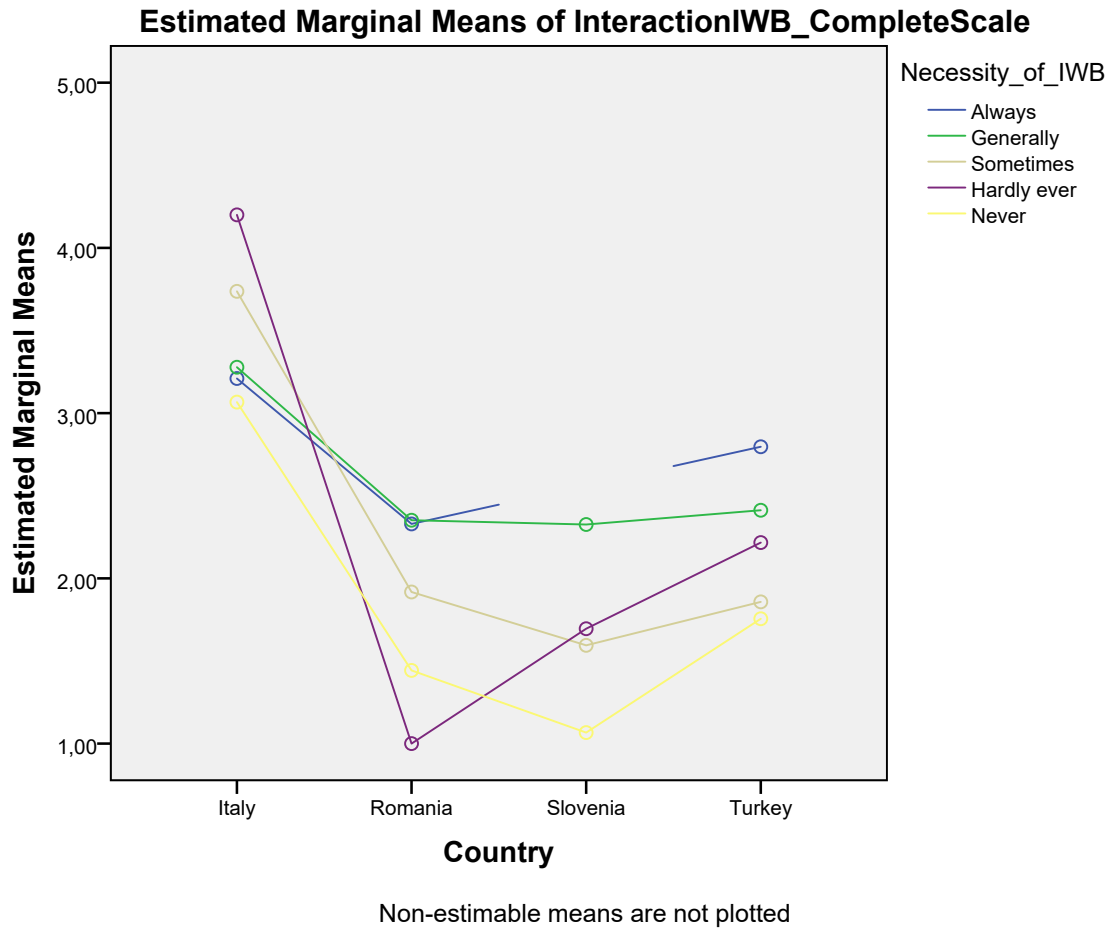
The error term is Mean Square(Error) = ,932.

a. Uses Harmonic Mean Sample Size = 35,124.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 12:38:30
Comments		
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Phase_IWB_Use_in_Class /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Phase_IWB_Use_in_Cl ass(TUKEY) /PLOT=PROFILE (Country*Phase_IWB_Use_in_Class) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Phase_IWB_Use_in_Class Country*Phase_IWB_Use_in_Class.
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	Elapsed Time	00:00:00,16

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Phase_IWB_Use_in_Class	0	0	35
	1	At the beginning	56
	2	In the middle	66
	3	At the end	23
	4	Always	95

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Phase_IWB_Use_in_Class	Mean	Std. Deviation	N
Italy	0	4,2667	,57927	5
	At the beginning	3,6000	1,32425	8
	In the middle	3,4074	,63075	18
	At the end	3,5333	.	1
	Always	3,3037	,60929	9
	Total		3,5301	,81907
Romania	At the beginning	2,0869	1,32743	33
	In the middle	3,0105	1,16137	19
	At the end	1,2833	,43029	12
	Always	1,9736	1,22333	43
	Total		2,1153	1,26632
Slovenia	0	1,4148	,84496	27
	At the beginning	2,0333	1,27279	2
	In the middle	1,6733	,55551	10
	At the end	2,2667	,28284	2
	Always	2,3714	,97438	7
	Total		1,6694	,86190
Turkey	0	2,1111	,98282	3
	At the beginning	2,5538	,83106	13
	In the middle	2,3579	,63759	19
	At the end	2,0417	,77659	8
	Always	2,3926	,67118	36
	Total		2,3646	,70754
Total	0	1,8819	1,28705	35
	At the beginning	2,4095	1,30661	56

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Phase_IWB_Use_in_Class	Mean	Std. Deviation	N
	In the middle	2,7283	,99759	66
	At the end	1,7304	,77862	23
	Always	2,2877	1,03792	95
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
4,117	18	256	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Phase_IWB_Use_in_Class + Country * Phase_IWB_Use_in_Class

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	120,600 ^a	18	6,700	7,293	,000
Intercept	667,107	1	667,107	726,198	,000
Country	34,577	3	11,526	12,546	,000
Phase_IWB_Use_in_Class	1,144	4	,286	,311	,870
Country * Phase_IWB_Use_in_Class	25,713	11	2,338	2,545	,005
Error	235,169	256	,919		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,339 (Adjusted R Squared = ,293)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,622	,234	3,161	4,083
Romania	2,089 ^a	,104	1,883	2,294
Slovenia	1,952	,217	1,525	2,379
Turkey	2,291	,150	1,995	2,588

a. Based on modified population marginal mean.

Post Hoc Tests

Phase_IWB_Use_in_Class

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) Phase_IWB_Use_in_Class	(J) Phase_IWB_Use_in_Class	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0	At the beginning	-,5276	,20652	,082	-1,0950	,0398
	In the middle	-,8464*	,20041	,000	-1,3970	-,2958
	At the end	,1515	,25727	,977	-,5553	,8583
	Always	-,4058	,18952	,206	-,9265	,1148
At the beginning	0	,5276	,20652	,082	-,0398	1,0950
	In the middle	-,3188	,17413	,358	-,7972	,1596
	At the end	,6791*	,23737	,037	,0270	1,3312
	Always	,1218	,16147	,943	-,3218	,5654
In the middle	0	,8464*	,20041	,000	,2958	1,3970
	At the beginning	,3188	,17413	,358	-,1596	,7972
	At the end	,9978*	,23208	,000	,3603	1,6354
	Always	,4406*	,15359	,036	,0186	,8625
At the end	0	-,1515	,25727	,977	-,8583	,5553
	At the beginning	-,6791*	,23737	,037	-1,3312	-,0270
	In the middle	-,9978*	,23208	,000	-1,6354	-,3603
	Always	-,5573	,22273	,093	-1,1692	,0546
Always	0	,4058	,18952	,206	-,1148	,9265
	At the beginning	-,1218	,16147	,943	-,5654	,3218
	In the middle	-,4406*	,15359	,036	-,8625	-,0186
	At the end	,5573	,22273	,093	-,0546	1,1692

Based on observed means.

The error term is Mean Square(Error) = ,919.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Phase_IWB_Use_in_Class	N	Subset		
		1	2	3
At the end	23	1,7304		
0	35	1,8819	1,8819	
Always	95	2,2877	2,2877	2,2877
At the beginning	56		2,4095	2,4095
In the middle	66			2,7283
Sig.		,056	,081	,207

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,919.

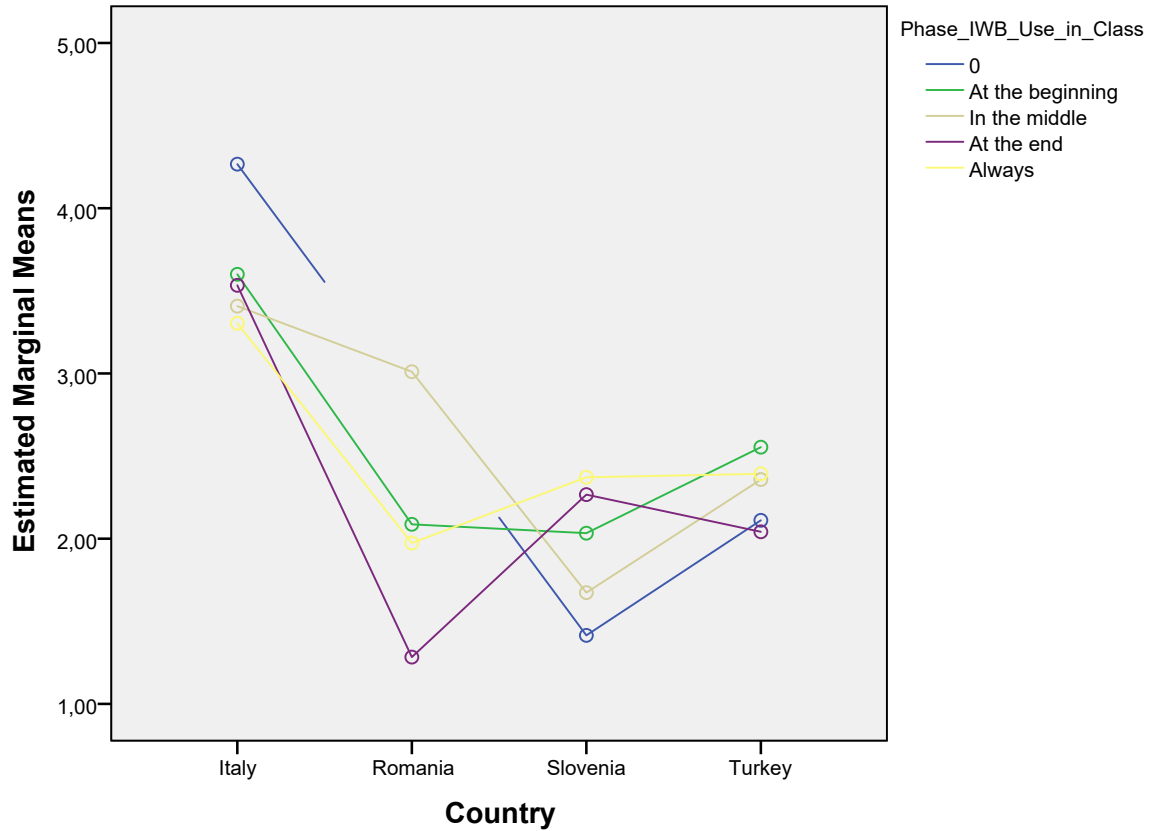
a. Uses Harmonic Mean Sample Size = 43,258.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots

Estimated Marginal Means of InteractionIWB_CompleteScale



Non-estimable means are not plotted

Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 12:41:35
Comments		
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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Taking_InstructionTechnologies_Trai ning /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Taking_InstructionTech nologies_Training(TUKEY) /PLOT=PROFILE (Country*Taking_InstructionTechnol ogies_Training) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Taking_InstructionTechnologies_Trai ning Country*Taking_InstructionTechnolo gies_Training.
Resources	Processor Time	00:00:00,17
	Elapsed Time	00:00:00,16

Warnings

Post hoc tests are not performed for Taking_InstructionTechnologies_Training because there are fewer than three groups.

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Taking_InstructionTechnologies_Training	1	Yes	196
	2	No	79

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Taking_InstructionTechnologies_Training	Mean	Std. Deviation	N
Italy	Yes	3,4632	,80254	38
	No	4,3778	,58246	3
	Total	3,5301	,81907	41
Romania	Yes	2,2795	1,29910	88
	No	1,3544	,73705	19
	Total	2,1153	1,26632	107
Slovenia	Yes	1,6974	,88929	39
	No	1,5481	,76651	9
	Total	1,6694	,86190	48
Turkey	Yes	2,5634	,71177	31
	No	2,2361	,68153	48
	Total	2,3646	,70754	79
Total	Yes	2,4381	1,19814	196
	No	2,0270	,92213	79
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
10,645	7	267	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Taking_InstructionTechnologies_Training + Country * Taking_InstructionTechnologies_Training

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	102,875 ^a	7	14,696	15,516	,000
Intercept	621,089	1	621,089	655,731	,000
Country	54,596	3	18,199	19,214	,000
Taking_InstructionTechnologies_Training	,387	1	,387	,408	,523
Country * Taking_InstructionTechnologies_Training	9,633	3	3,211	3,390	,019
Error	252,894	267	,947		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,289 (Adjusted R Squared = ,271)

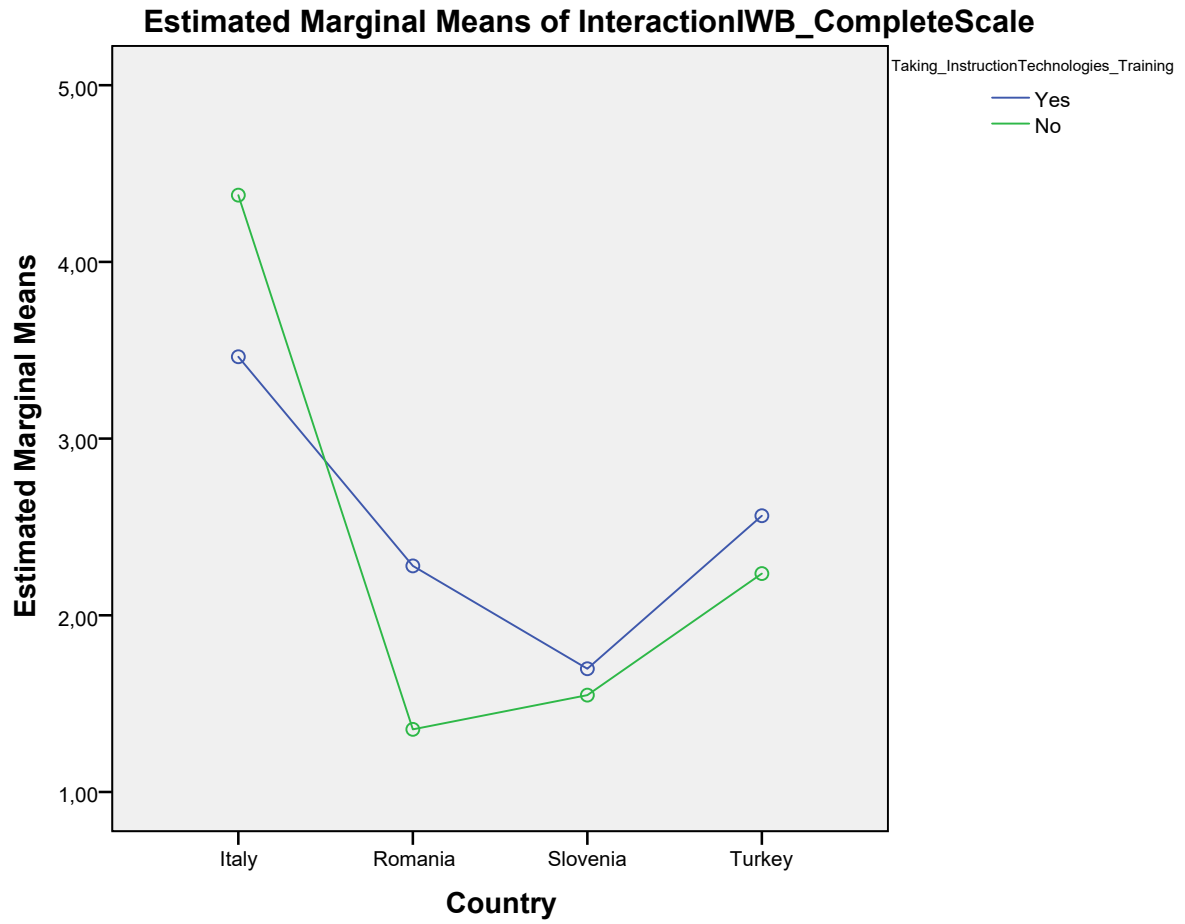
Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,920	,292	3,346	4,495
Romania	1,817	,123	1,575	2,059
Slovenia	1,623	,180	1,268	1,977
Turkey	2,400	,112	2,179	2,621

Profile Plots



Univariate Analysis of Variance

Notes

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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Perception_on_TrainingIT /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Perception_on_TrainingIT(TUKEY) /PLOT=PROFILE (Country*Perception_on_TrainingIT) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Perception_on_TrainingIT Country*Perception_on_TrainingIT.
Resources	Processor Time	00:00:00,17
	Elapsed Time	00:00:00,16

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Perception_on_TrainingIT	0	0	55
	1	Satisfactory	17
	2	Partly satisfactory	67
	3	Not satisfactory	136

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Perception_on_TrainingIT	Mean	Std. Deviation	N
Italy	0	4,3778	,58246	3
	Partly satisfactory	3,3901	,64416	27
	Not satisfactory	3,6424	1,12003	11
	Total	3,5301	,81907	41
Romania	Partly satisfactory	2,8769	1,18348	13
	Not satisfactory	2,0099	1,24687	94
	Total	2,1153	1,26632	107
Slovenia	0	1,6167	,78941	8
	Partly satisfactory	1,7833	,88037	12
	Not satisfactory	1,6357	,89892	28
	Total	1,6694	,86190	48
Turkey	0	2,2409	,69166	44
	Satisfactory	2,6118	,78819	17
	Partly satisfactory	2,4844	,61281	15
	Not satisfactory	2,1778	,78975	3
	Total	2,3646	,70754	79
Total	0	2,2667	,88601	55
	Satisfactory	2,6118	,78819	17
	Partly satisfactory	2,8000	,99053	67
	Not satisfactory	2,0686	1,25624	136
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
5,363	11	263	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Perception_on_TrainingIT + Country * Perception_on_TrainingIT

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	98,642 ^a	11	8,967	9,172	,000
Intercept	753,190	1	753,190	770,395	,000
Country	58,028	3	19,343	19,785	,000
Perception_on_TrainingIT	2,167	3	,722	,739	,530
Country * Perception_on_TrainingIT	9,082	5	1,816	1,858	,102
Error	257,126	263	,978		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,277 (Adjusted R Squared = ,247)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,803 ^a	,224	3,363	4,244
Romania	2,443 ^a	,146	2,155	2,731
Slovenia	1,679 ^a	,163	1,358	1,999
Turkey	2,379	,172	2,041	2,716

a. Based on modified population marginal mean.

Post Hoc Tests

Perception_on_TrainingIT

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) Perception_on_TrainingIT	(J) Perception_on_TrainingIT	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0	Satisfactory	-,3451	,27438	,591	-1,0545	,3643
	Partly satisfactory	-,5333*	,17991	,017	-,9985	-,0682
	Not satisfactory	,1980	,15800	,593	-,2105	,6066
Satisfactory	0	,3451	,27438	,591	-,3643	1,0545
	Partly satisfactory	-,1882	,26852	,897	-,8825	,5060
	Not satisfactory	,5431	,25436	,145	-,1145	1,2008
Partly satisfactory	0	,5333*	,17991	,017	,0682	,9985
	Satisfactory	,1882	,26852	,897	-,5060	,8825
	Not satisfactory	,7314*	,14758	,000	,3498	1,1130
Not satisfactory	0	-,1980	,15800	,593	-,6066	,2105
	Satisfactory	-,5431	,25436	,145	-1,2008	,1145
	Partly satisfactory	-,7314*	,14758	,000	-1,1130	-,3498

Based on observed means.

The error term is Mean Square(Error) = ,978.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Perception_on_TrainingIT	N	Subset	
		1	2
Not satisfactory	136	2,0686	
0	55	2,2667	2,2667
Satisfactory	17	2,6118	2,6118
Partly satisfactory	67		2,8000
Sig.		,068	,076

Means for groups in homogeneous subsets are displayed.

Based on observed means.

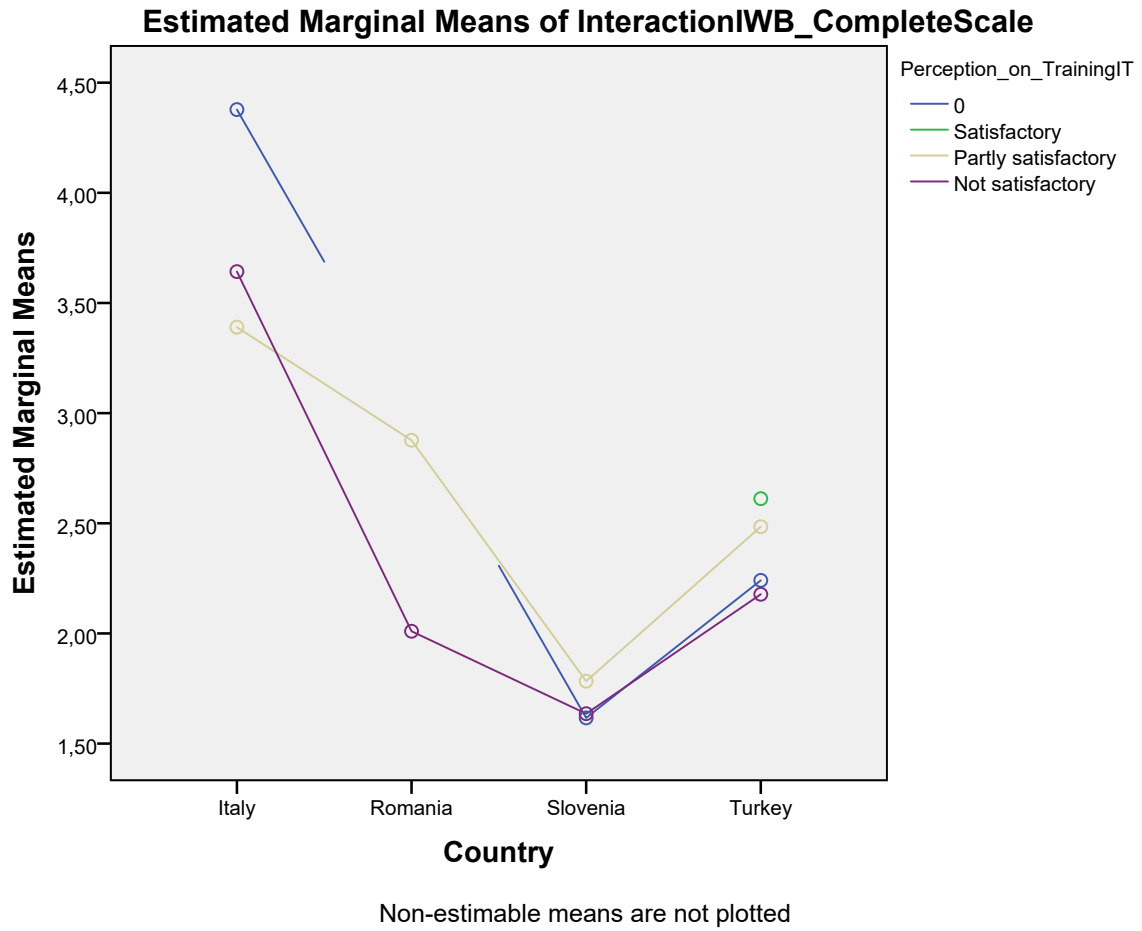
The error term is Mean Square(Error) = ,978.

a. Uses Harmonic Mean Sample Size = 40,289.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 12:44:42
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll260318_ processed.sav
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Taking_Training_on_Use_in_Course IT /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Taking_Training_on_Use_in_CourseIT(TUKEY) /PLOT=PROFILE (Country*Taking_Training_on_Use_in_CourseIT) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Taking_Training_on_Use_in_Course IT Country*Taking_Training_on_Use_in_CourseIT.
Resources	Processor Time	00:00:00,14
	Elapsed Time	00:00:00,16

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Taking_Training_on_Use_in_CourseIT			2
	-	-	2
	1	Yes	146
	2	No	125

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Taking_Training_on_Use_in_CourseIT	Mean	Std. Deviation	N
Italy		4,2333	,42426	2
	Yes	3,4452	,85607	31
	No	3,6833	,68336	8
	Total	3,5301	,81907	41
Romania	Yes	2,1982	1,24291	74
	No	1,9293	1,31761	33
	Total	2,1153	1,26632	107
Slovenia	Yes	1,8267	,90949	15
	No	1,5980	,84401	33
	Total	1,6694	,86190	48
Turkey	-	1,7000	,42426	2
	Yes	2,5487	,87723	26
	No	2,2967	,59379	51
	Total	2,3646	,70754	79
Total		4,2333	,42426	2
	-	1,7000	,42426	2
	Yes	2,4872	1,19438	146
	No	2,1040	1,02609	125
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
7,268	9	265	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Taking_Training_on_Use_in_CourseIT + Country * Taking_Training_on_Use_in_CourseIT

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	90,583 ^a	9	10,065	10,058	,000
Intercept	174,984	1	174,984	174,861	,000
Country	60,915	3	20,305	20,291	,000
Taking_Training_on_Use_in_CourseIT	2,397	3	,799	,798	,496
Country * Taking_Training_on_Use_in_CourseIT	1,384	3	,461	,461	,710
Error	265,186	265	1,001		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,255 (Adjusted R Squared = ,229)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,787 ^a	,270	3,255	4,320
Romania	2,064 ^a	,105	1,858	2,270
Slovenia	1,712 ^a	,156	1,406	2,019
Turkey	2,182 ^a	,249	1,691	2,672

a. Based on modified population marginal mean.

Post Hoc Tests

Taking_Training_on_Use_in_CourseIT

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) Taking_Training_on_Use_i n_CourseIT	(J) Taking_Training_on_Use_i n_CourseIT	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	-	2,5333	1,00035	,057	-,0530	5,1196
	Yes	1,7461	,71218	,070	-,0952	3,5874
	No	2,1293*	,71299	,016	,2860	3,9727
	-	-2,5333	1,00035	,057	-5,1196	,0530
	Yes	-,7872	,71218	,687	-2,6285	1,0541
	No	-,4040	,71299	,942	-2,2474	1,4394
Yes	-	-1,7461	,71218	,070	-3,5874	,0952
	Yes	,7872	,71218	,687	-1,0541	2,6285
	No	,3832*	,12190	,010	,0681	,6984
No	-	-2,1293*	,71299	,016	-3,9727	-,2860
	Yes	,4040	,71299	,942	-1,4394	2,2474
	No	-,3832*	,12190	,010	-,6984	-,0681

Based on observed means.

The error term is Mean Square(Error) = 1,001.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Taking_Training_on_Use_i n_CourseIT	N	Subset	
		1	2
-	2	1,7000	
No	125	2,1040	
Yes	146	2,4872	2,4872
	2		4,2333
Sig.		,687	,070

Means for groups in homogeneous subsets are displayed.

Based on observed means.

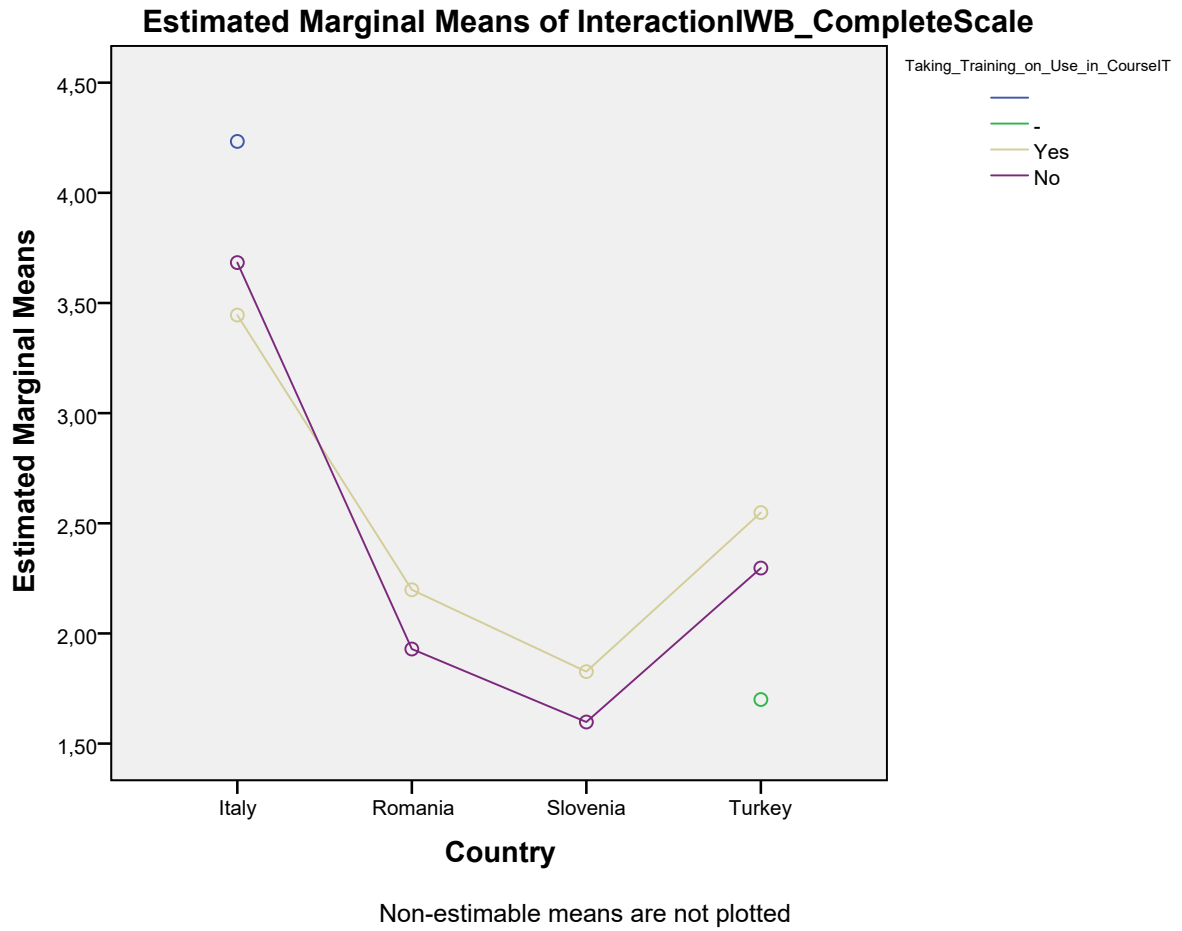
The error term is Mean Square(Error) = 1,001.

a. Uses Harmonic Mean Sample Size = 3,941.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

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	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country IT_Competency /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=IT_Competency (TUKEY) /PLOT=PROFILE (Country*IT_Competency) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country IT_Competency Country*IT_Competency.
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
IT_Competency	0	0	2
	1	Low	29
	2	Moderate	170
	3	High	59
	4	Expert	15

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	IT_Competency	Mean	Std. Deviation	N
Italy	Low	4,3600	,33533	5
	Moderate	3,5649	,64917	19
	High	3,0444	,87863	12
	Expert	3,7333	,97525	5
	Total	3,5301	,81907	41
Romania	Low	1,4800	1,03937	10
	Moderate	2,0469	1,17377	64
	High	2,3564	1,50128	26
	Expert	2,7524	1,18491	7
	Total	2,1153	1,26632	107
Slovenia	Low	1,1200	,20221	5
	Moderate	1,7902	,92771	34
	High	1,5905	,80593	7
	Expert	1,2667	,28284	2
	Total	1,6694	,86190	48
Turkey	0	2,5000	1,27279	2
	Low	1,7630	,53760	9
	Moderate	2,3547	,60789	53
	High	2,6000	,69134	14
	Expert	4,7333	.	1
	Total	2,3646	,70754	79
Total	0	2,5000	1,27279	2
	Low	2,0023	1,30353	29
	Moderate	2,2612	1,04694	170
	High	2,4633	1,20982	59
	Expert	3,0133	1,32118	15
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
6,266	16	258	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + IT_Competency + Country * IT_Competency

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	112,244 ^a	16	7,015	7,432	,000
Intercept	392,260	1	392,260	415,576	,000
Country	69,783	3	23,261	24,644	,000
IT_Competency	5,837	4	1,459	1,546	,189
Country * IT_Competency	19,940	9	2,216	2,347	,015
Error	243,525	258	,944		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,315 (Adjusted R Squared = ,273)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,676 ^a	,178	3,326	4,026
Romania	2,159 ^a	,132	1,898	2,420
Slovenia	1,442 ^a	,227	,995	1,889
Turkey	2,790	,253	2,291	3,289

a. Based on modified population marginal mean.

Post Hoc Tests

IT_Competency

Multiple Comparisons

Dependent Variable: InteractionWB_CompleteScale

Tukey HSD

(I) IT_Competyency	(J) IT_Competyency	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0	Low	,4977	,71028	,956	-1,4536	2,4490
	Moderate	,2388	,69101	,997	-1,6595	2,1372
	High	,0367	,69853	1,000	-1,8823	1,9557
	Expert	-,5133	,73135	,956	-2,5225	1,4958
Low	0	-,4977	,71028	,956	-2,4490	1,4536
	Moderate	-,2589	,19519	,675	-,7951	,2774
	High	-,4610	,22033	,227	-1,0663	,1443
	Expert	-1,0110*	,30899	,011	-1,8599	-,1622
Moderate	0	-,2388	,69101	,997	-2,1372	1,6595
	Low	,2589	,19519	,675	-,2774	,7951
	High	-,2021	,14680	,643	-,6054	,2012
	Expert	-,7522*	,26168	,035	-1,4710	-,0333
High	0	-,0367	,69853	1,000	-1,9557	1,8823
	Low	,4610	,22033	,227	-,1443	1,0663
	Moderate	,2021	,14680	,643	-,2012	,6054
	Expert	-,5501	,28094	,290	-1,3218	,2217
Expert	0	,5133	,73135	,956	-1,4958	2,5225
	Low	1,0110*	,30899	,011	,1622	1,8599
	Moderate	,7522*	,26168	,035	,0333	1,4710
	High	,5501	,28094	,290	-,2217	1,3218

Based on observed means.

The error term is Mean Square(Error) = ,944.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionWB_CompleteScale

Tukey HSD^{a,b,c}

IT_Competency	N	Subset
		1
Low	29	2,0023
Moderate	170	2,2612
High	59	2,4633
0	2	2,5000
Expert	15	3,0133
Sig.		,231

Means for groups in homogeneous subsets are displayed.

Based on observed means.

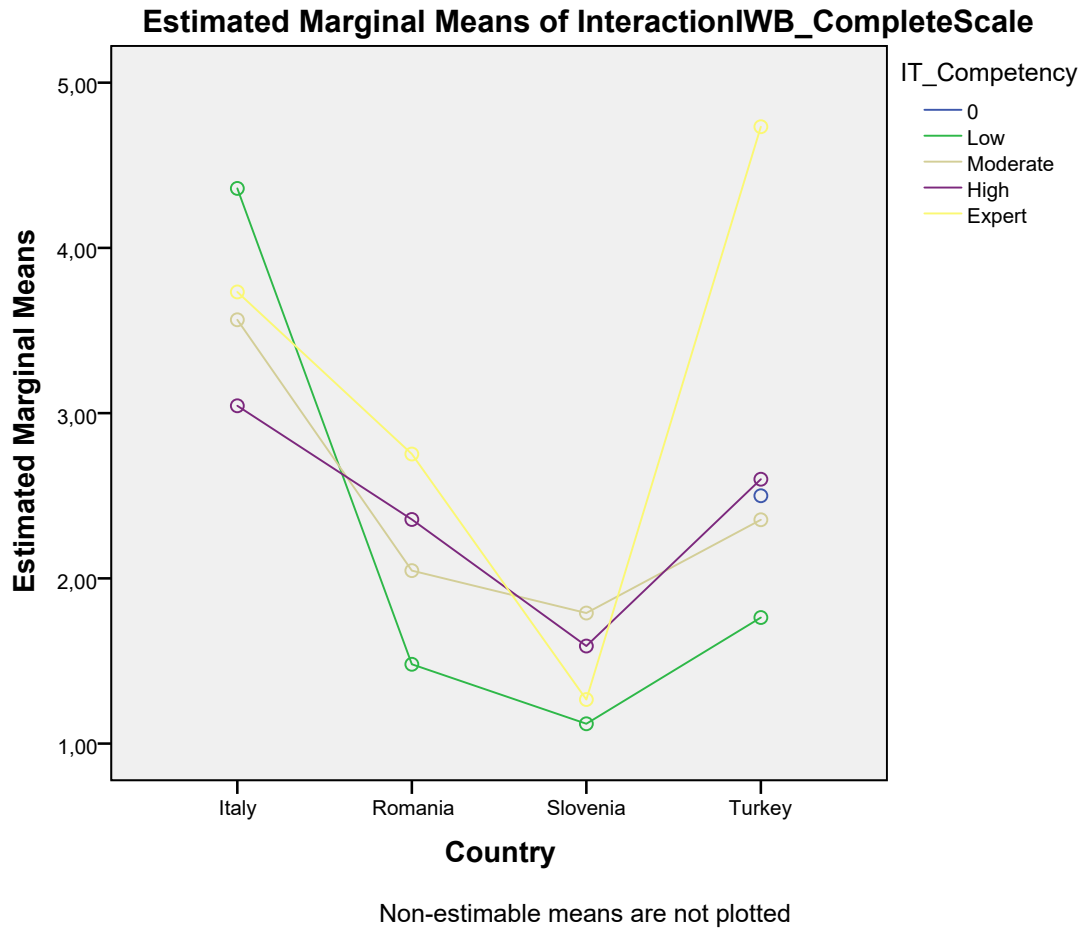
The error term is Mean Square(Error) = ,944.

a. Uses Harmonic Mean Sample Size = 8,013.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 12:47:43
Comments		
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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country IT_Use_Frequency /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=IT_Use_Frequency (TUKEY) /PLOT=PROFILE (Country*IT_Use_Frequency) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country IT_Use_Frequency Country*IT_Use_Frequency.
Resources	Processor Time	00:00:00,16
	Elapsed Time	00:00:00,17

Between-Subjects Factors

	Value Label	N
Country	1 Italy	41
	2 Romania	107
	3 Slovenia	48
	4 Turkey	79
IT_Use_Frequency	1 Every lesson	49
	2 Only with some subjects	122
	3 Several times a week	33
	4 Several times a month	42
	5 Never	29

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	IT_Use_Frequency	Mean	Std. Deviation	N
Italy	Every lesson	2,9333	,88778	7
	Only with some subjects	3,6167	,82222	24
	Several times a week	3,4133	,32455	5
	Several times a month	4,0667	,69921	5
	Total	3,5301	,81907	41
Romania	Every lesson	2,1222	1,20253	6
	Only with some subjects	2,3577	1,34584	41
	Several times a week	2,1758	1,37413	11
	Several times a month	2,3190	1,32694	28
	Never	1,3365	,61336	21
Total	2,1153	1,26632	107	
Slovenia	Every lesson	1,7833	,86461	16
	Only with some subjects	1,8167	,95633	20
	Several times a week	1,3333	,69410	6
	Several times a month	1,4222	,73131	3
	Never	1,0000	,00000	3
Total	1,6694	,86190	48	
Turkey	Every lesson	2,8000	,74016	20
	Only with some subjects	2,3514	,57984	37
	Several times a week	2,0848	,80944	11
	Several times a month	2,0667	,37476	6
	Never	1,6933	,67758	5
Total	2,3646	,70754	79	
Total	Every lesson	2,4041	,97167	49
	Only with some subjects	2,5148	1,14404	122
	Several times a week	2,1798	1,12181	33
	Several times a month	2,4270	1,29582	42

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	IT_Use_Frequency	Mean	Std. Deviation	N
	Never	1,3632	,60699	29
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
5,953	18	256	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + IT_Use_Frequency + Country * IT_Use_Frequency

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	115,814 ^a	18	6,434	6,864	,000
Intercept	709,051	1	709,051	756,462	,000
Country	52,566	3	17,522	18,694	,000
IT_Use_Frequency	9,824	4	2,456	2,620	,035
Country * IT_Use_Frequency	9,207	11	,837	,893	,548
Error	239,955	256	,937		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,326 (Adjusted R Squared = ,278)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,508 ^a	,185	3,143	3,872
Romania	2,062	,117	1,832	2,293
Slovenia	1,471	,188	1,100	1,842
Turkey	2,199	,142	1,920	2,478

a. Based on modified population marginal mean.

Post Hoc Tests

IT_Use_Frequency

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) IT_Use_Frequency	(J) IT_Use_Frequency	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Every lesson	Only with some subjects	-,1107	,16374	,961	-,5605	,3392
	Several times a week	,2243	,21802	,842	-,3747	,8233
	Several times a month	-,0229	,20358	1,000	-,5822	,5364
	Never	1,0409*	,22683	,000	,4177	1,6640
Only with some subjects	Every lesson	,1107	,16374	,961	-,3392	,5605
	Several times a week	,3350	,18997	,397	-,1869	,8569
	Several times a month	,0878	,17321	,987	-,3881	,5636
	Never	1,1515*	,20001	,000	,6020	1,7010
Several times a week	Every lesson	-,2243	,21802	,842	-,8233	,3747
	Only with some subjects	-,3350	,18997	,397	-,8569	,1869
	Several times a month	-,2472	,22521	,808	-,8659	,3715
	Never	,8166*	,24643	,009	,1396	1,4936
Several times a month	Every lesson	,0229	,20358	1,000	-,5364	,5822
	Only with some subjects	-,0878	,17321	,987	-,5636	,3881
	Several times a week	,2472	,22521	,808	-,3715	,8659
	Never	1,0638*	,23375	,000	,4216	1,7060
Never	Every lesson	-1,0409*	,22683	,000	-1,6640	-,4177
	Only with some subjects	-1,1515*	,20001	,000	-1,7010	-,6020
	Several times a week	-,8166*	,24643	,009	-1,4936	-,1396
	Several times a month	-1,0638*	,23375	,000	-1,7060	-,4216

Based on observed means.

The error term is Mean Square(Error) = ,937.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

IT_Use_Frequency	N	Subset	
		1	2
Never	29	1,3632	
Several times a week	33		2,1798
Every lesson	49		2,4041
Several times a month	42		2,4270
Only with some subjects	122		2,5148
Sig.		1,000	,500

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,937.

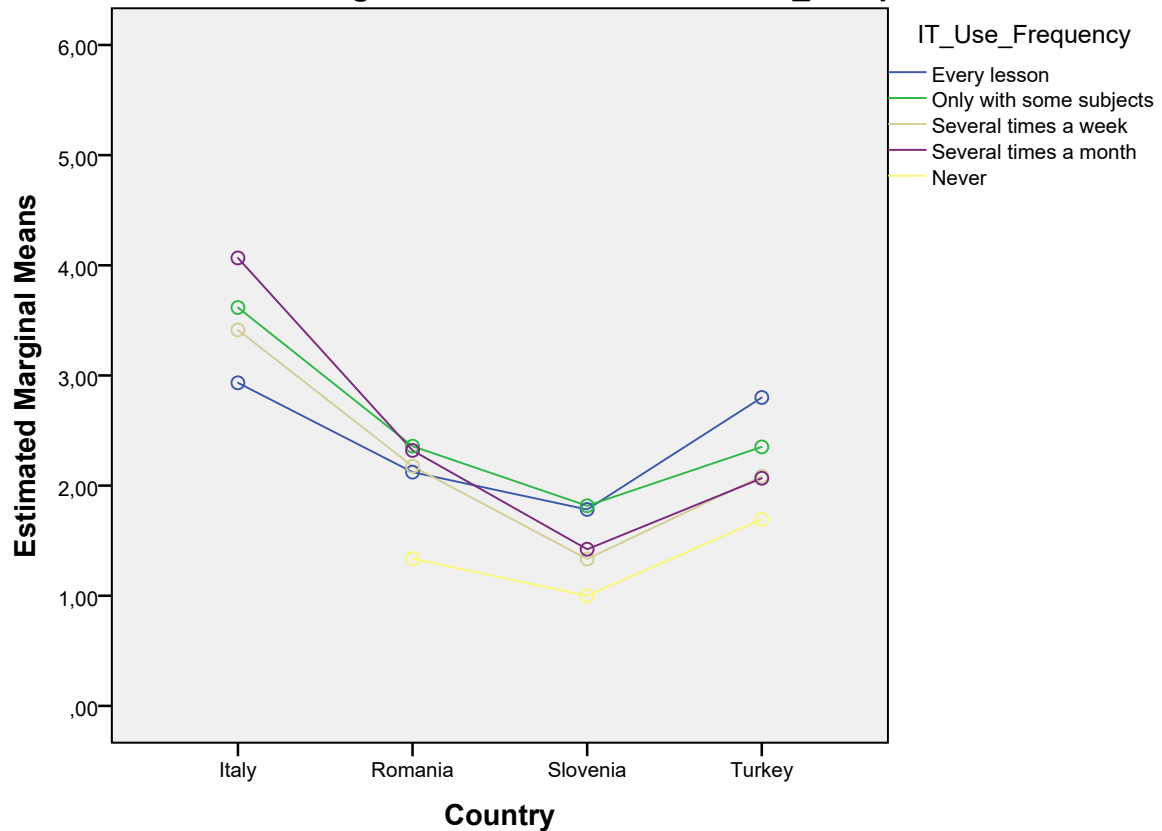
a. Uses Harmonic Mean Sample Size = 42,662.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots

Estimated Marginal Means of InteractionIWB_CompleteScale



Non-estimable means are not plotted

Univariate Analysis of Variance

Notes

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	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Necessity_of_IT /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Necessity_of_IT (TUKEY) /PLOT=PROFILE (Country*Necessity_of_IT) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Necessity_of_IT Country*Necessity_of_IT.
Resources	Processor Time	00:00:00,22
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Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Necessity_of_IT	1	Always	91
	2	Generally	108
	3	Sometimes	49
	4	Hardly ever	11
	5	Never	16

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Necessity_of_IT	Mean	Std. Deviation	N
Italy	Always	3,5133	1,16027	10
	Generally	3,4476	,74808	21
	Sometimes	3,7185	,61444	9
	Hardly ever	3,7333	.	1
	Total	3,5301	,81907	41
Romania	Always	2,2361	1,39034	48
	Generally	2,2970	1,22373	33
	Sometimes	2,0103	1,20334	13
	Hardly ever	1,0000	,00000	2
	Never	1,3697	,57377	11
	Total	2,1153	1,26632	107
Slovenia	Always	1,6788	,74166	11
	Generally	1,7893	,99325	25
	Sometimes	1,3867	,66429	10
	Hardly ever	2,0667	.	1
	Never	1,0000	.	1
	Total	1,6694	,86190	48
Turkey	Always	2,7273	,89132	22
	Generally	2,3402	,46337	29
	Sometimes	2,2353	,60833	17
	Hardly ever	2,0857	,68282	7
	Never	1,5833	,69575	4
	Total	2,3646	,70754	79
Total	Always	2,4278	1,27735	91
	Generally	2,4148	1,06606	108
	Sometimes	2,2748	1,09803	49
	Hardly ever	2,0364	,88562	11
	Never	1,4000	,58017	16
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
6,323	18	256	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Necessity_of_IT + Country * Necessity_of_IT

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	103,982 ^a	18	5,777	5,873	,000
Intercept	345,188	1	345,188	350,964	,000
Country	30,300	3	10,100	10,269	,000
Necessity_of_IT	4,743	4	1,186	1,206	,309
Country * Necessity_of_IT	5,769	11	,524	,533	,880
Error	251,787	256	,984		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,292 (Adjusted R Squared = ,243)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,603 ^a	,278	3,055	4,151
Romania	1,783	,168	1,451	2,114
Slovenia	1,584	,296	1,001	2,168
Turkey	2,194	,145	1,910	2,479

a. Based on modified population marginal mean.

Post Hoc Tests

Necessity_of_IT

Multiple Comparisons

Dependent Variable: InteractionWB_CompleteScale

Tukey HSD

(I) Necessity_of_IT	(J) Necessity_of_IT	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Always	Generally	,0130	,14112	1,000	-,3747	,4007
	Sometimes	,1530	,17573	,907	-,3298	,6358
	Hardly ever	,3915	,31658	,730	-,4783	1,2612
	Never	1,0278*	,26885	,002	,2892	1,7665
Generally	Always	-,0130	,14112	1,000	-,4007	,3747
	Sometimes	,1400	,17082	,924	-,3293	,6093
	Hardly ever	,3785	,31388	,748	-,4839	1,2408
	Never	1,0148*	,26567	,002	,2849	1,7447
Sometimes	Always	-,1530	,17573	,907	-,6358	,3298
	Generally	-,1400	,17082	,924	-,6093	,3293
	Hardly ever	,2385	,33089	,952	-,6706	1,1475
	Never	,8748*	,28556	,020	,0903	1,6594
Hardly ever	Always	-,3915	,31658	,730	-1,2612	,4783
	Generally	-,3785	,31388	,748	-1,2408	,4839
	Sometimes	-,2385	,33089	,952	-1,1475	,6706
	Never	,6364	,38844	,474	-,4308	1,7035
Never	Always	-1,0278*	,26885	,002	-1,7665	-,2892
	Generally	-1,0148*	,26567	,002	-1,7447	-,2849
	Sometimes	-,8748*	,28556	,020	-1,6594	-,0903
	Hardly ever	-,6364	,38844	,474	-1,7035	,4308

Based on observed means.

The error term is Mean Square(Error) = ,984.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Necessity_of_IT	N	Subset	
		1	2
Never	16	1,4000	
Hardly ever	11	2,0364	2,0364
Sometimes	49		2,2748
Generally	108		2,4148
Always	91		2,4278
Sig.		,147	,617

Means for groups in homogeneous subsets are displayed.

Based on observed means.

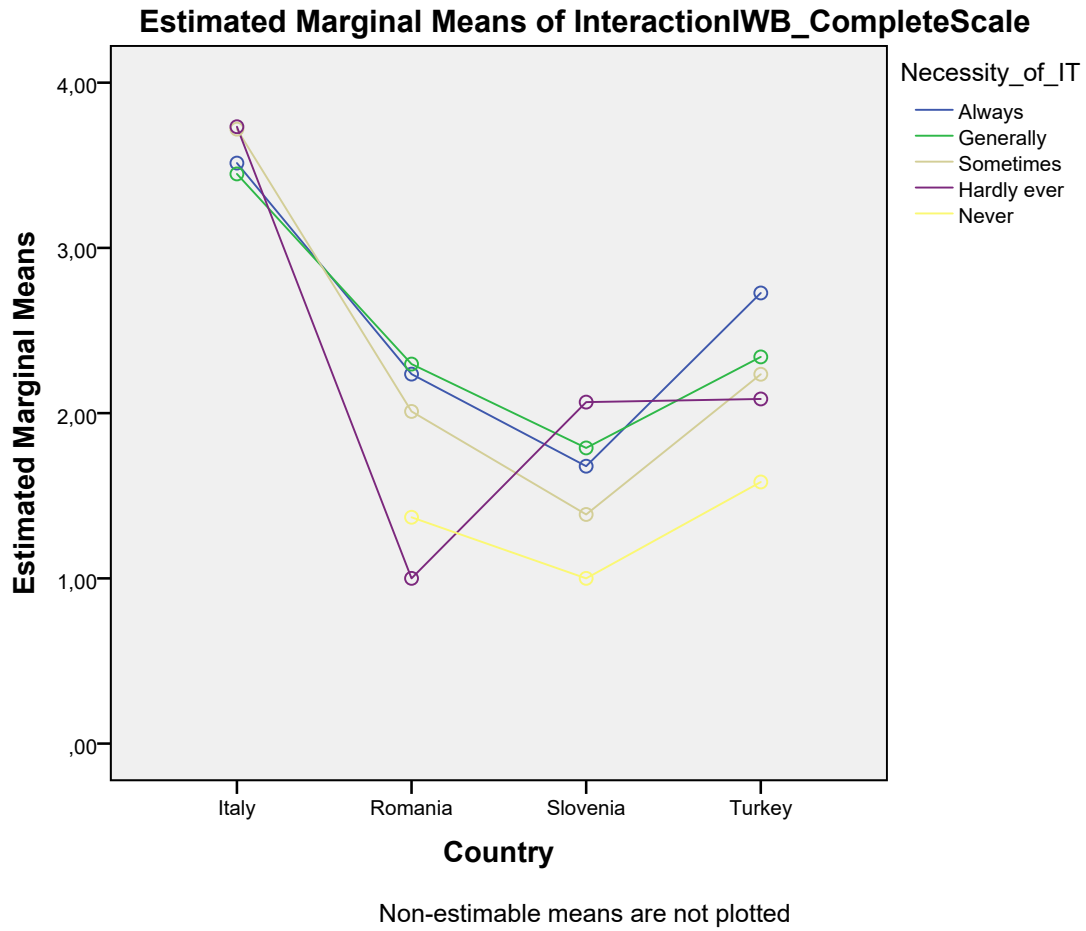
The error term is Mean Square(Error) = ,984.

a. Uses Harmonic Mean Sample Size = 25,764.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Univariate Analysis of Variance

Notes

Output Created		26-MAR-2018 12:49:37
Comments		
Input	Data	C: \Users\bote\GoogleDrive\Akademik\ Publish\ErasmusProjeMEB_EzgiHoc alar\Data\Pre\dataSetAll260318_ processed.sav
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	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	275
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA InteractionIWB_CompleteScale BY Country Phase_IT_Use_in_Class /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Phase_IT_Use_in_Clas s(TUKEY) /PLOT=PROFILE (Country*Phase_IT_Use_in_Class) /EMMEANS=TABLES(Country) /PRINT=HOMOGENEITY DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=Country Phase_IT_Use_in_Class Country*Phase_IT_Use_in_Class.
Resources	Processor Time	00:00:00,17
	Elapsed Time	00:00:00,18

Between-Subjects Factors

		Value Label	N
Country	1	Italy	41
	2	Romania	107
	3	Slovenia	48
	4	Turkey	79
Phase_IT_Use_in_Class	0	0	9
	1	At the beginning	54
	2	In the middle	78
	3	At the end	15
	4	Always	119

Descriptive Statistics

Dependent Variable: InteractionIWB_CompleteScale

Country	Phase_IT_Use_in_Class	Mean	Std. Deviation	N
Italy	At the beginning	3,4000	1,33167	7
	In the middle	3,5206	,67876	21
	Always	3,6154	,75088	13
	Total	3,5301	,81907	41
Romania	At the beginning	2,2262	1,44602	28
	In the middle	2,6765	1,22114	27
	At the end	1,1467	,32796	5
	Always	1,8298	1,11267	47
	Total	2,1153	1,26632	107
Slovenia	0	1,0000	,00000	3
	At the beginning	1,1333	,18856	4
	In the middle	2,0364	,85757	11
	At the end	1,4000	,58119	3
	Always	1,7037	,93138	27
	Total	1,6694	,86190	48
Turkey	0	1,7667	,74685	6
	At the beginning	2,6711	,83399	15
	In the middle	2,2667	,59504	19
	At the end	1,8476	,65514	7
	Always	2,5042	,60486	32
	Total	2,3646	,70754	79
Total	0	1,5111	,70396	9
	At the beginning	2,4210	1,31954	54
	In the middle	2,7137	1,04613	78
	At the end	1,5244	,60782	15
	Always	2,1776	1,08786	119
	Total	2,3200	1,13949	275

Levene's Test of Equality of Error Variances^a

Dependent Variable: InteractionIWB_CompleteScale

F	df1	df2	Sig.
4,991	16	258	,000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Country + Phase_IT_Use_in_Class + Country * Phase_IT_Use_in_Class

Tests of Between-Subjects Effects

Dependent Variable: InteractionIWB_CompleteScale

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	113,035 ^a	16	7,065	7,509	,000
Intercept	528,515	1	528,515	561,754	,000
Country	59,396	3	19,799	21,044	,000
Phase_IT_Use_in_Class	11,018	4	2,754	2,928	,022
Country * Phase_IT_Use_in_Class	13,268	9	1,474	1,567	,125
Error	242,734	258	,941		
Total	1835,929	275			
Corrected Total	355,769	274			

a. R Squared = ,318 (Adjusted R Squared = ,275)

Estimated Marginal Means

Country

Dependent Variable: InteractionIWB_CompleteScale

Country	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Italy	3,512 ^a	,167	3,183	3,841
Romania	1,970 ^a	,131	1,711	2,229
Slovenia	1,455	,198	1,064	1,845
Turkey	2,211	,132	1,952	2,470

a. Based on modified population marginal mean.

Post Hoc Tests

Phase_IT_Use_in_Class

Multiple Comparisons

Dependent Variable: InteractionIWB_CompleteScale

Tukey HSD

(I) Phase_IT_Use_in_Class	(J) Phase_IT_Use_in_Class	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0	At the beginning	-,9099	,34923	,072	-1,8693	,0495
	In the middle	-1,2026*	,34147	,005	-2,1406	-,2645
	At the end	-,0133	,40897	1,000	-1,1368	1,1102
	Always	-,6665	,33532	,275	-1,5877	,2547
At the beginning	0	,9099	,34923	,072	-,0495	1,8693
	In the middle	-,2927	,17171	,433	-,7644	,1790
	At the end	,8965*	,28310	,015	,1188	1,6743
	Always	,2434	,15915	,544	-,1938	,6806
In the middle	0	1,2026*	,34147	,005	,2645	2,1406
	At the beginning	,2927	,17171	,433	-,1790	,7644
	At the end	1,1892*	,27347	,000	,4380	1,9405
	Always	,5361*	,14131	,002	,1479	,9243
At the end	0	,0133	,40897	1,000	-1,1102	1,1368
	At the beginning	-,8965*	,28310	,015	-1,6743	-,1188
	In the middle	-1,1892*	,27347	,000	-1,9405	-,4380
	Always	-,6531	,26576	,104	-1,3832	,0769
Always	0	,6665	,33532	,275	-,2547	1,5877
	At the beginning	-,2434	,15915	,544	-,6806	,1938
	In the middle	-,5361*	,14131	,002	-,9243	-,1479
	At the end	,6531	,26576	,104	-,0769	1,3832

Based on observed means.

The error term is Mean Square(Error) = ,941.

*. The mean difference is significant at the ,05 level.

Homogeneous Subsets

InteractionIWB_CompleteScale

Tukey HSD^{a,b,c}

Phase_IT_Use_in_Class	N	Subset	
		1	2
0	9	1,5111	
At the end	15	1,5244	
Always	119	2,1776	2,1776
At the beginning	54		2,4210
In the middle	78		2,7137
Sig.		,139	,334

Means for groups in homogeneous subsets are displayed.

Based on observed means.

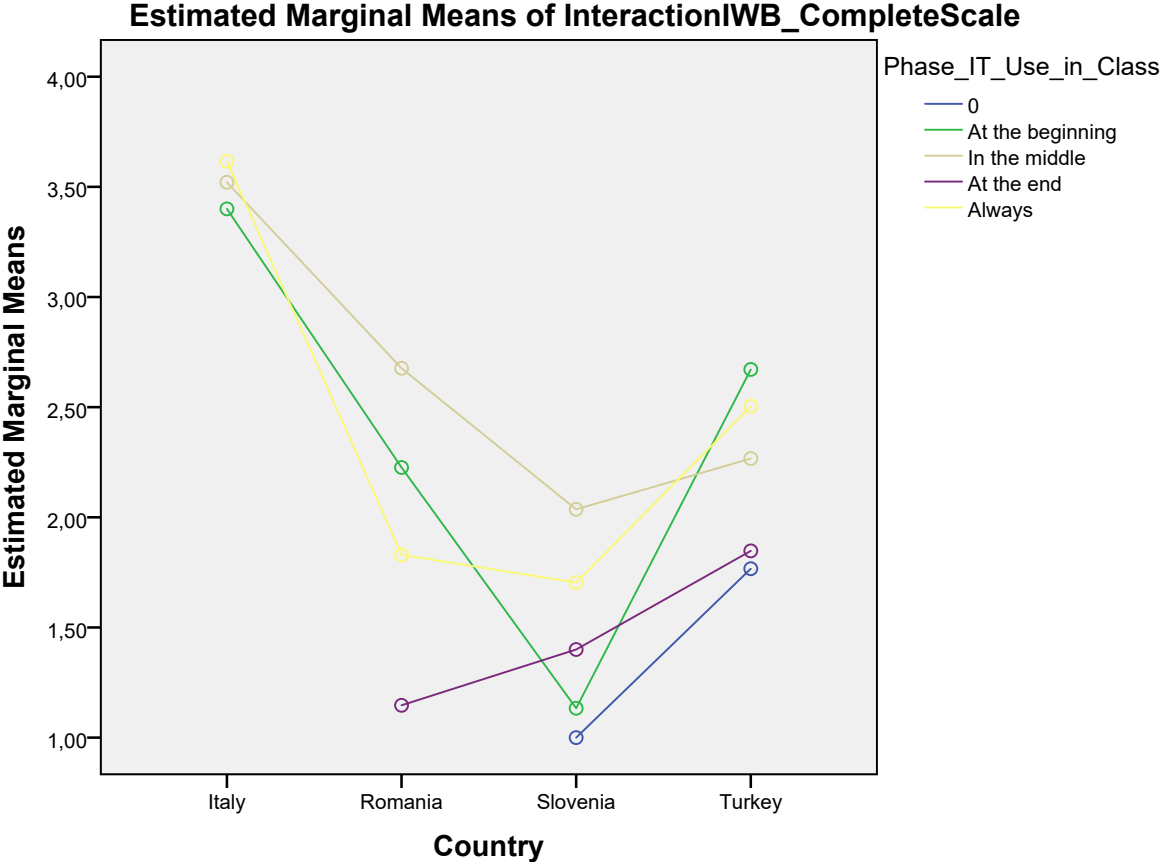
The error term is Mean Square(Error) = ,941.

a. Uses Harmonic Mean Sample Size = 22,986.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Profile Plots



Non-estimable means are not plotted