European Survey of Language Testing and Assessment by the ENLTA project in 2004

Detailed results of statistical analyses

Relationship between region of Europe and need for training in different assessment activities

In this part of the report, the regions of Europe were compared. The respondents were divided into seven regions. (The variable ‘countr10’ in the ENLTA survey data file categorises the respondents into these regions.)

Only the respondents who were based in European countries were included in these analyses (n = 855). Only the responses to the first part of the questionnaire (the Teachers’ questionnaire) were included.

The following presents the more detailed results of the statistical analyses by which the relationship between background variables and the respondents’ need for assessment training were studied. The results are extracts from the SPSS output files.

The analyses reported here are based on the Chi-Square Tests. The SPSS-programme that was used on compute the chi-squares defines them in the following way:

> “The Chi-Square Test procedure tabulates a variable into categories and computes a chi-square statistic. This goodness-of-fit test compares the observed and expected frequencies in each category to test either that all categories contain the same proportion of values or that each category contains a user-specified proportion of values.”

To interpret the chi-square output, please pay attention to the following points.

(1) The smaller table ‘Chi-Square Tests’ shows if there is a statistically significant relationship between the two variables that are studied. The first row (Pearson Chi-Square) displays the Chi-Square value and the significance level of the finding (Asymp. Sig.). If the significance level is smaller than .05, there is a significant relationship between the two variables, i.e. the observed frequencies in the ‘Crosstab’ table are not based on chance. The number of expected observations in each cell of the table should be more than 5; if there are too many (more than 20% of the) cells with fewer than 5 observations, the chi-square test / value is not reliable (note the extra row of text immediately after the ‘Chi-Square Tests’ table).
(2) The bigger table ‘Crosstab’ displays how the respondents in the two or more background categories replied to the question concerning their need to receive training on the particular assessment activity or concept. ‘Count’ shows the number of actual responses in each category and ‘Expected Count’ shows what the expected number should have been if the distribution of responses were based on chance alone, given the total number of respondents in the two or more groups compared.
(3) The percentage row displays the percentage of the observed responses in each category (i.e. it is based on the ‘Count’), and is useful in interpreting and describing the results in practice.
(4) Standardized Rediduals in the last row in each cell are useful in locating where exactly the observed overall relationship / difference (identified by the significant chi-square value) is located. Roughly speaking, if the standardized residual is bigger than +2.0 or smaller than -2.0, then the difference between the observed value (Count) and the expected value in that cell is significant. Note that if the statistical significance level of the chi-square is not very strong (i.e. it is only somewhat smaller than .05), the standardized residuals may not be outside the +/- 2.0 range for any of the cells in the table, and thus, it is difficult to say what exactly is the source for the significant overall chi-square value. However, in such cases, too, it is probably the cells with the highest standardized residuals which contribute the most to the overall significant results.

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Preparing your own classroom tests * Regions of Europe	563	65,7%	294	34,3%	857	100,0%
Using ready-made tests * Regions of Europe	493	57,5%	364	42,5%	857	100,0%
Interpreting test results * Regions of Europe	542	63,2%	315	36,8%	857	100,0%

Giving feedback * Regions of Europe	548	63,9%	309	36,1%	857	100,0%
Using self / peer assessment * Regions of Europe	522	60,9%	335	39,1%	857	100,0%
Using informal, continuous, non-test * Regions of Europe	528	61,6%	329	38,4%	857	100,0%
Using portfolio * Regions of Europe	524	61,1%	333	38,9%	857	100,0%
To give grades * Regions of Europe	532	62,1%	325	37,9%	857	100,0%
To find out what needs to be taught * Regions of Europe	520	60,7%	337	39,3%	857	100,0%
To place students * Regions of Europe	512	59,7%	345	40,3%	857	100,0%
To award final certificates * Regions of Europe	516	60,2%	341	39,8%	857	100,0%
Testing receptive skills * Regions of Europe	532	62,1%	325	37,9%	857	100,0%
Testing productive skills * Regions of Europe	532	62,1%	325	37,9%	857	100,0%
Testing grammar/vocabulary * Regions of Europe	525	61,3%	332	38,7%	857	100,0%
Testing integrated language skills * Regions of Europe	519	60,6%	338	39,4%	857	100,0%
Testing aspects of culture * Regions of Europe	514	60,0%	343	40,0%	857	100,0%
Establishing reliability * Regions of Europe	528	61,6%	329	38,4%	857	100,0%
Establishing validity * Regions of Europe	525	61,3%	332	38,7%	857	100,0%
Using statistics * Regions of Europe	525	61,3%	332	38,7%	857	100,0%
External: taking part in rating * Regions of Europe	519	60,6%	338	39,4%	857	100,0%
External: using statistics * Regions of Europe	510	59,5%	347	40,5%	857	100,0%
External: writing items * Regions of Europe	516	60,2%	341	39,8%	857	100,0%
External: Reviewing items * Regions of Europe	517	60,3%	340	39,7%	857	100,0%
External: acting as an interviewer * Regions of Europe	526	61,4%	331	38,6%	857	100,0%
External: defining assessment criteria * Regions of Europe	519	60,6%	338	39,4%	857	100,0%

Preparing your own classroom tests * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Preparing your own classroom tests	no need for training	Count	59	4	53	7	19	20	7	169
		Expected Count	54,3	11,4	31,8	12,0	26,1	23,1	10,2	169,0
		% within Regions of Europe	32,6%	10,5%	50,0%	17,5%	21,8%	26,0%	20,6%	30,0%
		Std. Residual	,6	-2,2	3,8	-1,4	-1,4	-,6	-1,0	
	need basic training	Count	32	8	6	5	10	8	5	74
		Expected Count	23,8	5,0	13,9	5,3	11,4	10,1	4,5	74,0
		% within Regions of Europe	17,7%	21,1%	5,7%	12,5%	11,5%	10,4%	14,7%	13,1%
		Std. Residual	1,7	1,3	-2,1	-,1	-,4	-,7	,3	
	need more advanced training	Count	90	26	47	28	58	49	22	320
		Expected Count	102,9	21,6	60,2	22,7	49,4	43,8	19,3	320,0
		% within Regions of Europe	49,7%	68,4%	44,3%	70,0%	66,7%	63,6%	64,7%	56,8%
		Std. Residual	-1,3	,9	-1,7	1,1	1,2	,8	,6	
Total		Count	181	38	106	40	87	77	34	563
		Expected Count	181,0	38,0	106,0	40,0	87,0	77,0	34,0	563,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	43,738(a)	12	,000
Likelihood Ratio	44,466	12	,000
Linear-by-Linear Association	6,926	1	,008
N of Valid Cases	563		

a 2 cells (9,5%) have expected count less than 5. The minimum expected count is 4,47.

Using ready-made tests * Regions of Europe

Crosstab

			Regions of Europe							Total
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	
Using ready-made tests	no need for training	Count	104	14	63	20	39	34	15	289
		Expected Count	94,4	19,9	51,6	18,8	48,1	40,4	15,8	289,0
		% within Regions of Europe	64,6%	41,2%	71,6%	62,5%	47,6%	49,3%	55,6%	58,6%
		Std. Residual	1,0	-1,3	1,6	,3	-1,3	-1,0	-,2	
	need basic training	Count	30	7	10	2	15	10	5	79
		Expected Count	25,8	5,4	14,1	5,1	13,1	11,1	4,3	79,0
		% within Regions of Europe	18,6%	20,6%	11,4%	6,3%	18,3%	14,5%	18,5%	16,0%
		Std. Residual	,8	,7	-1,1	-1,4	,5	-,3	,3	
	need more advanced training	Count	27	13	15	10	28	25	7	125
		Expected Count	40,8	8,6	22,3	8,1	20,8	17,5	6,8	125,0
		% within Regions of Europe	16,8%	38,2%	17,0%	31,3%	34,1%	36,2%	25,9%	25,4%
		Std. Residual	-2,2	1,5	-1,5	,7	1,6	1,8	,1	
Total		Count	161	34	88	32	82	69	27	493
		Expected Count	161,0	34,0	88,0	32,0	82,0	69,0	27,0	493,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	28,293(a)	12	,005
Likelihood Ratio	29,106	12	,004
Linear-by-Linear Association	8,951	1	,003
N of Valid Cases	493		

a 1 cells (4,8%) have expected count less than 5. The minimum expected count is 4,33.

Interpreting test results * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Interpreting test results	no need for training	Count	43	5	47	6	10	14	8	133
		Expected Count	42,7	9,6	23,6	9,3	21,1	18,6	8,1	133,0
		% within Regions of Europe	24,7%	12,8%	49,0%	15,8%	11,6%	18,4%	24,2%	24,5%
		Std. Residual	,0	-1,5	4,8	-1,1	-2,4	-1,1	,0	
	need basic training	Count	44	10	12	10	20	18	8	122
		Expected Count	39,2	8,8	21,6	8,6	19,4	17,1	7,4	122,0
		% within Regions of Europe	25,3%	25,6%	12,5%	26,3%	23,3%	23,7%	24,2%	22,5%
		Std. Residual	,8	,4	-2,1	,5	,1	,2	,2	
	need more advanced training	Count	87	24	37	22	56	44	17	287
		Expected Count	92,1	20,7	50,8	20,1	45,5	40,2	17,5	287,0
		% within Regions of Europe	50,0%	61,5%	38,5%	57,9%	65,1%	57,9%	51,5%	53,0%
		Std. Residual	-,5	,7	-1,9	,4	1,6	,6	-,1	
Total		Count	174	39	96	38	86	76	33	542
		Expected Count	174,0	39,0	96,0	38,0	86,0	76,0	33,0	542,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	46,633(a)	12	,000
Likelihood Ratio	44,501	12	,000
Linear-by-Linear Association	3,568	1	,059
N of Valid Cases	542		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 7,43.

Giving feedback * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Giving feedback	no need for training	Count	50	6	55	10	20	22	11	174
		Expected Count	56,5	13,0	31,4	12,4	27,0	24,1	9,5	174,0
		% within Regions of Europe	28,1%	14,6%	55,6%	25,6%	23,5%	28,9%	36,7%	31,8%
		Std. Residual	-,9	-1,9	4,2	-,7	-1,3	-,4	,5	
	need basic training	Count	38	15	12	8	16	15	5	109
		Expected Count	35,4	8,2	19,7	7,8	16,9	15,1	6,0	109,0
		% within Regions of Europe	21,3%	36,6%	12,1%	20,5%	18,8%	19,7%	16,7%	19,9%
		Std. Residual	,4	2,4	-1,7	,1	-,2	,0	-,4	
	need more advanced training	Count	90	20	32	21	49	39	14	265
		Expected Count	86,1	19,8	47,9	18,9	41,1	36,8	14,5	265,0
		% within Regions of Europe	50,6%	48,8%	32,3%	53,8%	57,6%	51,3%	46,7%	48,4%
		Std. Residual	,4	,0	-2,3	,5	1,2	,4	-,1	
Total		Count	178	41	99	39	85	76	30	548
		Expected Count	178,0	41,0	99,0	39,0	85,0	76,0	30,0	548,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	41,400(a)	12	,000
Likelihood Ratio	39,281	12	,000
Linear-by-Linear Association	,075	1	,784
N of Valid Cases	548		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 5,97.

Using self / peer assessment * Regions of Europe

Crosstab

			Regions of Europe							Total
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	
Using self / peer assessment	no need for training	Count	28	4	32	9	11	20	8	112
		Expected Count	36,3	8,4	20,2	7,5	17,4	16,1	6,2	112,0
		% within Regions of Europe	16,6%	10,3%	34,0%	25,7%	13,6%	26,7%	27,6%	21,5%
		Std. Residual	-1,4	-1,5	2,6	,5	-1,5	1,0	,7	
	need basic training	Count	63	15	23	10	26	20	4	161
		Expected Count	52,1	12,0	29,0	10,8	25,0	23,1	8,9	161,0
		% within Regions of Europe	37,3%	38,5%	24,5%	28,6%	32,1%	26,7%	13,8%	30,8%
		Std. Residual	1,5	,9	-1,1	-,2	,2	-,7	-1,7	
	need more advanced training	Count	78	20	39	16	44	35	17	249
		Expected Count	80,6	18,6	44,8	16,7	38,6	35,8	13,8	249,0
		% within Regions of Europe	46,2%	51,3%	41,5%	45,7%	54,3%	46,7%	58,6%	47,7%
		Std. Residual	-,3	,3	-,9	-,2	,9	-,1	,9	
Total		Count	169	39	94	35	81	75	29	522
		Expected Count	169,0	39,0	94,0	35,0	81,0	75,0	29,0	522,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	25,161(a)	12	,014
Likelihood Ratio	25,628	12	,012
Linear-by-Linear Association	,013	1	,908
N of Valid Cases	522		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 6,22.

Using informal, continuous, non-test * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Using informal, continuous, non-test	no need for training	Count	44	5	38	10	12	13	9	131
		Expected Count	42,9	9,2	23,6	9,2	19,8	18,6	7,7	131,0
		% within Regions of Europe	25,4%	13,5%	40,0%	27,0%	15,0%	17,3%	29,0%	24,8%
		Std. Residual	,2	-1,4	3,0	,3	-1,8	-1,3	,5	
	need basic training	Count	59	14	21	7	22	21	7	151
		Expected Count	49,5	10,6	27,2	10,6	22,9	21,4	8,9	151,0
		% within Regions of Europe	34,1%	37,8%	22,1%	18,9%	27,5%	28,0%	22,6%	28,6%
		Std. Residual	1,4	1,1	-1,2	-1,1	-,2	-,1	-,6	
	need more advanced training	Count	70	18	36	20	46	41	15	246
		Expected Count	80,6	17,2	44,3	17,2	37,3	34,9	14,4	246,0
		% within Regions of Europe	40,5%	48,6%	37,9%	54,1%	57,5%	54,7%	48,4%	46,6%
		Std. Residual	-1,2	,2	-1,2	,7	1,4	1,0	,1	
Total		Count	173	37	95	37	80	75	31	528
		Expected Count	173,0	37,0	95,0	37,0	80,0	75,0	31,0	528,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	28,368(a)	12	,005
Likelihood Ratio	28,113	12	,005
Linear-by-Linear Association	4,960	1	,026
N of Valid Cases	528		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 7,69.

Using portfolio * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Using portfolio	no need for training	Count	18	3	25	7	4	7	3	67
		Expected Count	22,4	5,0	11,3	4,7	10,2	9,5	4,0	67,0
		% within Regions of Europe	10,3%	7,7%	28,4%	18,9%	5,0%	9,5%	9,7%	12,8%
		Std. Residual	-,9	-,9	4,1	1,0	-1,9	-,8	-,5	
	need basic training	Count	78	22	22	15	40	27	7	211
		Expected Count	70,5	15,7	35,4	14,9	32,2	29,8	12,5	211,0
		% within Regions of Europe	44,6%	56,4%	25,0%	40,5%	50,0%	36,5%	22,6%	40,3%
		Std. Residual	,9	1,6	-2,3	,0	1,4	-,5	-1,6	
	need more advanced training	Count	79	14	41	15	36	40	21	246
		Expected Count	82,2	18,3	41,3	17,4	37,6	34,7	14,6	246,0
		% within Regions of Europe	45,1%	35,9%	46,6%	40,5%	45,0%	54,1%	67,7%	46,9%
		Std. Residual	-,3	-1,0	,0	-,6	-,3	,9	1,7	
Total		Count	175	39	88	37	80	74	31	524
		Expected Count	175,0	39,0	88,0	37,0	80,0	74,0	31,0	524,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	42,356(a)	12	,000
Likelihood Ratio	39,821	12	,000
Linear-by-Linear Association	3,091	1	,079
N of Valid Cases	524		

a 3 cells (14,3%) have expected count less than 5. The minimum expected count is 3,96.

To give grades * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
To give grades	no need for training	Count	70	8	60	16	30	26	16	226
		Expected Count	73,1	15,7	39,9	15,7	36,1	31,4	14,0	226,0
		% within Regions of Europe	40,7%	21,6%	63,8%	43,2%	35,3%	35,1%	48,5%	42,5%
		Std. Residual	-,4	-1,9	3,2	,1	-1,0	-1,0	,5	
	need basic training	Count	32	11	6	6	10	10	4	79
		Expected Count	25,5	5,5	14,0	5,5	12,6	11,0	4,9	79,0
		% within Regions of Europe	18,6%	29,7%	6,4%	16,2%	11,8%	13,5%	12,1%	14,8%
		Std. Residual	1,3	2,3	-2,1	,2	-,7	-,3	-,4	
	need more advanced training	Count	70	18	28	15	45	38	13	227
		Expected Count	73,4	15,8	40,1	15,8	36,3	31,6	14,1	227,0
		% within Regions of Europe	40,7%	48,6%	29,8%	40,5%	52,9%	51,4%	39,4%	42,7%
		Std. Residual	-,4	,6	-1,9	-,2	1,4	1,1	-,3	
Total		Count	172	37	94	37	85	74	33	532
		Expected Count	172,0	37,0	94,0	37,0	85,0	74,0	33,0	532,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	36,449(a)	12	,000
Likelihood Ratio	36,161	12	,000
Linear-by-Linear Association	,955	1	,329
N of Valid Cases	532		

a 1 cells (4,8%) have expected count less than 5. The minimum expected count is 4,90.

To find out what needs to be taught * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
To find out what needs to be taught	no need for training	Count	68	7	52	9	21	23	9	189
		Expected Count	61,4	13,8	33,4	13,1	30,2	26,5	10,5	189,0
		% within Regions of Europe	40,2%	18,4%	56,5%	25,0%	25,3%	31,5%	31,0%	36,3%
		Std. Residual	,8	-1,8	3,2	-1,1	-1,7	-,7	-,5	
	need basic training	Count	34	12	12	9	13	12	6	98
		Expected Count	31,9	7,2	17,3	6,8	15,6	13,8	5,5	98,0
		% within Regions of Europe	20,1%	31,6%	13,0%	25,0%	15,7%	16,4%	20,7%	18,8%
		Std. Residual	,4	1,8	-1,3	,9	-,7	-,5	,2	
	need more advanced training	Count	67	19	28	18	49	38	14	233
		Expected Count	75,7	17,0	41,2	16,1	37,2	32,7	13,0	233,0
		% within Regions of Europe	39,6%	50,0%	30,4%	50,0%	59,0%	52,1%	48,3%	44,8%
		Std. Residual	-1,0	,5	-2,1	,5	1,9	,9	,3	
Total		Count	169	38	92	36	83	73	29	520
		Expected Count	169,0	38,0	92,0	36,0	83,0	73,0	29,0	520,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	36,003(a)	12	,000
Likelihood Ratio	35,538	12	,000
Linear-by-Linear Association	6,521	1	,011
N of Valid Cases	520		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 5,47.

To place students * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
To place students	no need for training	Count	77	9	54	9	22	22	12	205
		Expected Count	65,3	14,8	35,2	14,8	32,0	30,0	12,8	205,0
		% within Regions of Europe	47,2%	24,3%	61,4%	24,3%	27,5%	29,3%	37,5%	40,0%
		Std. Residual	1,5	-1,5	3,2	-1,5	-1,8	-1,5	-,2	
	need basic training	Count	41	13	9	8	20	16	5	112
		Expected Count	35,7	8,1	19,3	8,1	17,5	16,4	7,0	112,0
		% within Regions of Europe	25,2%	35,1%	10,2%	21,6%	25,0%	21,3%	15,6%	21,9%
		Std. Residual	,9	1,7	-2,3	,0	,6	-,1	-,8	
	need more advanced training	Count	45	15	25	20	38	37	15	195
		Expected Count	62,1	14,1	33,5	14,1	30,5	28,6	12,2	195,0
		% within Regions of Europe	27,6%	40,5%	28,4%	54,1%	47,5%	49,3%	46,9%	38,1%
		Std. Residual	-2,2	,2	-1,5	1,6	1,4	1,6	,8	
Total		Count	163	37	88	37	80	75	32	512
		Expected Count	163,0	37,0	88,0	37,0	80,0	75,0	32,0	512,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	46,582(a)	12	,000
Likelihood Ratio	47,348	12	,000
Linear-by-Linear Association	15,429	1	,000
N of Valid Cases	512		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 7,00.

To award final certificates * Regions of Europe

Crosstab

			Regions of Europe							Total
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	
To award final certificates	no need for training	Count	74	8	52	10	28	18	11	201
		Expected Count	65,1	14,8	35,1	14,0	30,4	28,8	12,9	201,0
		% within Regions of Europe	44,3%	21,1%	57,8%	27,8%	35,9%	24,3%	33,3%	39,0%
		Std. Residual	1,1	-1,8	2,9	-1,1	-,4	-2,0	-,5	
	need basic training	Count	41	12	10	6	19	13	6	107
		Expected Count	34,6	7,9	18,7	7,5	16,2	15,3	6,8	107,0
		% within Regions of Europe	24,6%	31,6%	11,1%	16,7%	24,4%	17,6%	18,2%	20,7%
		Std. Residual	1,1	1,5	-2,0	-,5	,7	-,6	-,3	
	need more advanced training	Count	52	18	28	20	31	43	16	208
		Expected Count	67,3	15,3	36,3	14,5	31,4	29,8	13,3	208,0
		% within Regions of Europe	31,1%	47,4%	31,1%	55,6%	39,7%	58,1%	48,5%	40,3%
		Std. Residual	-1,9	,7	-1,4	1,4	-,1	2,4	,7	
Total		Count	167	38	90	36	78	74	33	516
		Expected Count	167,0	38,0	90,0	36,0	78,0	74,0	33,0	516,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	41,097(a)	12	,000
Likelihood Ratio	41,344	12	,000
Linear-by-Linear Association	11,705	1	,001
N of Valid Cases	516		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 6,84.

Testing receptive skills * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Testing receptive skills	no need for training	Count	46	6	53	9	20	18	8	160
		Expected Count	52,3	11,7	28,3	11,4	24,4	22,3	9,6	160,0
		% within Regions of Europe	26,4%	15,4%	56,4%	23,7%	24,7%	24,3%	25,0%	30,1%
		Std. Residual	-,9	-1,7	4,7	-,7	-,9	-,9	-,5	
	need basic training	Count	32	3	7	4	12	9	4	71
		Expected Count	23,2	5,2	12,5	5,1	10,8	9,9	4,3	71,0
		% within Regions of Europe	18,4%	7,7%	7,4%	10,5%	14,8%	12,2%	12,5%	13,3%
		Std. Residual	1,8	-1,0	-1,6	-,5	,4	-,3	-,1	
	need more advanced training	Count	96	30	34	25	49	47	20	301
		Expected Count	98,4	22,1	53,2	21,5	45,8	41,9	18,1	301,0
		% within Regions of Europe	55,2%	76,9%	36,2%	65,8%	60,5%	63,5%	62,5%	56,6%
		Std. Residual	-,2	1,7	-2,6	,8	,5	,8	,4	
Total		Count	174	39	94	38	81	74	32	532
		Expected Count	174,0	39,0	94,0	38,0	81,0	74,0	32,0	532,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	46,186(a)	12	,000
Likelihood Ratio	43,503	12	,000
Linear-by-Linear Association	,984	1	,321
N of Valid Cases	532		

a 1 cells (4,8%) have expected count less than 5. The minimum expected count is 4,27.

Testing productive skills * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Testing productive skills	no need for training	Count	43	4	52	8	18	19	8	152
		Expected Count	49,4	11,4	26,9	10,6	23,4	21,1	9,1	152,0
		% within Regions of Europe	24,9%	10,0%	55,3%	21,6%	22,0%	25,7%	25,0%	28,6%
		Std. Residual	-,9	-2,2	4,9	-,8	-1,1	-,5	-,4	
	need basic training	Count	29	2	8	3	10	8	2	62
		Expected Count	20,2	4,7	11,0	4,3	9,6	8,6	3,7	62,0
		% within Regions of Europe	16,8%	5,0%	8,5%	8,1%	12,2%	10,8%	6,3%	11,7%
		Std. Residual	2,0	-1,2	-,9	-,6	,1	-,2	-,9	
	need more advanced training	Count	101	34	34	26	54	47	22	318
		Expected Count	103,4	23,9	56,2	22,1	49,0	44,2	19,1	318,0
		% within Regions of Europe	58,4%	85,0%	36,2%	70,3%	65,9%	63,5%	68,8%	59,8%
		Std. Residual	-,2	2,1	-3,0	,8	,7	,4	,7	
Total		Count	173	40	94	37	82	74	32	532
		Expected Count	173,0	40,0	94,0	37,0	82,0	74,0	32,0	532,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	53,773(a)	12	,000
Likelihood Ratio	51,644	12	,000
Linear-by-Linear Association	,604	1	,437
N of Valid Cases	532		

a 3 cells (14,3%) have expected count less than 5. The minimum expected count is 3,73.

Testing grammar/vocabulary * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Testing grammar/vocabulary	no need for training	Count	59	4	52	9	21	21	9	175
		Expected Count	57,3	12,7	30,3	12,0	27,3	25,0	10,3	175,0
		% within Regions of Europe	34,3%	10,5%	57,1%	25,0%	25,6%	28,0%	29,0%	33,3%
		Std. Residual	,2	-2,4	3,9	-,9	-1,2	-,8	-,4	
	need basic training	Count	25	4	10	5	15	10	2	71
		Expected Count	23,3	5,1	12,3	4,9	11,1	10,1	4,2	71,0
		% within Regions of Europe	14,5%	10,5%	11,0%	13,9%	18,3%	13,3%	6,5%	13,5%
		Std. Residual	,4	-,5	-,7	,1	1,2	,0	-1,1	
	need more advanced training	Count	88	30	29	22	46	44	20	279
		Expected Count	91,4	20,2	48,4	19,1	43,6	39,9	16,5	279,0
		% within Regions of Europe	51,2%	78,9%	31,9%	61,1%	56,1%	58,7%	64,5%	53,1%
		Std. Residual	-,4	2,2	-2,8	,7	,4	,7	,9	
Total		Count	172	38	91	36	82	75	31	525
		Expected Count	172,0	38,0	91,0	36,0	82,0	75,0	31,0	525,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	42,218(a)	12	,000
Likelihood Ratio	42,680	12	,000
Linear-by-Linear Association	1,901	1	,168
N of Valid Cases	525		

a 2 cells (9,5%) have expected count less than 5. The minimum expected count is 4,19.

Testing integrated language skills * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Testing integrated language skills	no need for training	Count	42	2	42	4	16	15	6	127
		Expected Count	41,6	8,8	22,5	8,6	20,3	17,9	7,3	127,0
		% within Regions of Europe	24,7%	5,6%	45,7%	11,4%	19,3%	20,5%	20,0%	24,5%
		Std. Residual	,1	-2,3	4,1	-1,6	-1,0	-,7	-,5	
	need basic training	Count	33	9	17	5	15	11	4	94
		Expected Count	30,8	6,5	16,7	6,3	15,0	13,2	5,4	94,0
		% within Regions of Europe	19,4%	25,0%	18,5%	14,3%	18,1%	15,1%	13,3%	18,1%
		Std. Residual	,4	1,0	,1	-,5	,0	-,6	-,6	
	need more advanced training	Count	95	25	33	26	52	47	20	298
		Expected Count	97,6	20,7	52,8	20,1	47,7	41,9	17,2	298,0
		% within Regions of Europe	55,9%	69,4%	35,9%	74,3%	62,7%	64,4%	66,7%	57,4%
		Std. Residual	-,3	1,0	-2,7	1,3	,6	,8	,7	
Total		Count	170	36	92	35	83	73	30	519
		Expected Count	170,0	36,0	92,0	35,0	83,0	73,0	30,0	519,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	39,941(a)	12	,000
Likelihood Ratio	40,500	12	,000
Linear-by-Linear Association	2,569	1	,109
N of Valid Cases	519		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 5,43.

Testing aspects of culture * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Testing aspects of culture	no need for training	Count	39	6	45	9	14	15	9	137
		Expected Count	45,8	10,1	23,2	9,1	21,9	19,7	7,2	137,0
		% within Regions of Europe	22,7%	15,8%	51,7%	26,5%	17,1%	20,3%	33,3%	26,7%
		Std. Residual	-1,0	-1,3	4,5	,0	-1,7	-1,1	,7	
	need basic training	Count	40	16	8	8	36	17	7	132
		Expected Count	44,2	9,8	22,3	8,7	21,1	19,0	6,9	132,0
		% within Regions of Europe	23,3%	42,1%	9,2%	23,5%	43,9%	23,0%	25,9%	25,7%
		Std. Residual	-,6	2,0	-3,0	-,2	3,3	-,5	,0	
	need more advanced training	Count	93	16	34	17	32	42	11	245
		Expected Count	82,0	18,1	41,5	16,2	39,1	35,3	12,9	245,0
		% within Regions of Europe	54,1%	42,1%	39,1%	50,0%	39,0%	56,8%	40,7%	47,7%
		Std. Residual	1,2	-,5	-1,2	,2	-1,1	1,1	-,5	
Total		Count	172	38	87	34	82	74	27	514
		Expected Count	172,0	38,0	87,0	34,0	82,0	74,0	27,0	514,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	58,045(a)	12	,000
Likelihood Ratio	55,008	12	,000
Linear-by-Linear Association	,164	1	,686
N of Valid Cases	514		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 6,93.

Establishing reliability * Regions of Europe

Crosstab

			Regions of Europe							Total
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	
Establishing reliability	no need for training	Count	28	4	25	3	11	14	3	88
		Expected Count	28,0	6,5	16,2	6,3	13,7	12,3	5,0	88,0
		% within Regions of Europe	16,7%	10,3%	25,8%	7,9%	13,4%	18,9%	10,0%	16,7%
		Std. Residual	,0	-1,0	2,2	-1,3	-,7	,5	-,9	
	need basic training	Count	67	11	22	9	21	21	7	158
		Expected Count	50,3	11,7	29,0	11,4	24,5	22,1	9,0	158,0
		% within Regions of Europe	39,9%	28,2%	22,7%	23,7%	25,6%	28,4%	23,3%	29,9%
		Std. Residual	2,4	-,2	-1,3	-,7	-,7	-,2	-,7	
	need more advanced training	Count	73	24	50	26	50	39	20	282
		Expected Count	89,7	20,8	51,8	20,3	43,8	39,5	16,0	282,0
		% within Regions of Europe	43,5%	61,5%	51,5%	68,4%	61,0%	52,7%	66,7%	53,4%
		Std. Residual	-1,8	,7	-,3	1,3	,9	-,1	1,0	
Total		Count	168	39	97	38	82	74	30	528
		Expected Count	168,0	39,0	97,0	38,0	82,0	74,0	30,0	528,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	25,033(a)	12	,015
Likelihood Ratio	24,759	12	,016
Linear-by-Linear Association	4,206	1	,040
N of Valid Cases	528		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 5,00.

Establishing validity * Regions of Europe

Crosstab

			Regions of Europe							Total
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	
Establishing validity	no need for training	Count	30	4	24	2	11	14	4	89
		Expected Count	28,6	6,6	16,1	6,3	14,1	12,4	4,9	89,0

		% within Regions of Europe	17,8%	10,3%	25,3%	5,4%	13,3%	19,2%	13,8%	17,0%
		Std. Residual	,3	-1,0	2,0	-1,7	-,8	,5	-,4	
	need basic training	Count	69	10	23	9	21	17	7	156
		Expected Count	50,2	11,6	28,2	11,0	24,7	21,7	8,6	156,0
		% within Regions of Europe	40,8%	25,6%	24,2%	24,3%	25,3%	23,3%	24,1%	29,7%
		Std. Residual	2,7	-,5	-1,0	-,6	-,7	-1,0	-,6	
	need more advanced training	Count	70	25	48	26	51	42	18	280
		Expected Count	90,1	20,8	50,7	19,7	44,3	38,9	15,5	280,0
		% within Regions of Europe	41,4%	64,1%	50,5%	70,3%	61,4%	57,5%	62,1%	53,3%
		Std. Residual	-2,1	,9	-,4	1,4	1,0	,5	,6	
Total		Count	169	39	95	37	83	73	29	525
		Expected Count	169,0	39,0	95,0	37,0	83,0	73,0	29,0	525,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	28,522(a)	12	,005
Likelihood Ratio	28,863	12	,004
Linear-by-Linear Association	5,785	1	,016
N of Valid Cases	525		

a 1 cells (4,8%) have expected count less than 5. The minimum expected count is 4,92.

Using statistics * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
Using statistics	no need for training	Count	31	4	27	6	10	13	5	96
		Expected Count	30,7	7,1	16,8	6,9	15,0	14,1	5,3	96,0
		% within Regions of Europe	18,5%	10,3%	29,3%	15,8%	12,2%	16,9%	17,2%	18,3%
		Std. Residual	,1	-1,2	2,5	-,4	-1,3	-,3	-,1	
	need basic training	Count	77	13	22	11	28	28	6	185
		Expected Count	59,2	13,7	32,4	13,4	28,9	27,1	10,2	185,0
		% within Regions of Europe	45,8%	33,3%	23,9%	28,9%	34,1%	36,4%	20,7%	35,2%
		Std. Residual	2,3	-,2	-1,8	-,7	-,2	,2	-1,3	
	need more advanced training	Count	60	22	43	21	44	36	18	244
		Expected Count	78,1	18,1	42,8	17,7	38,1	35,8	13,5	244,0
		% within Regions of Europe	35,7%	56,4%	46,7%	55,3%	53,7%	46,8%	62,1%	46,5%
		Std. Residual	-2,0	,9	,0	,8	1,0	,0	1,2	
Total		Count	168	39	92	38	82	77	29	525
		Expected Count	168,0	39,0	92,0	38,0	82,0	77,0	29,0	525,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	28,468(a)	12	,005
Likelihood Ratio	28,384	12	,005
Linear-by-Linear Association	5,031	1	,025
N of Valid Cases	525		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 5,30.

External: taking part in rating * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
External: taking part in rating	no need for training	Count	54	7	45	12	14	18	9	159
		Expected Count	52,4	11,0	27,6	11,0	25,4	22,4	9,2	159,0
		% within Regions of Europe	31,6%	19,4%	50,0%	33,3%	16,9%	24,7%	30,0%	30,6%
		Std. Residual	,2	-1,2	3,3	,3	-2,3	-,9	-,1	
	need basic training	Count	40	7	11	3	19	16	3	99
		Expected Count	32,6	6,9	17,2	6,9	15,8	13,9	5,7	99,0
		% within Regions of Europe	23,4%	19,4%	12,2%	8,3%	22,9%	21,9%	10,0%	19,1%
		Std. Residual	1,3	,1	-1,5	-1,5	,8	,6	-1,1	
	need more advanced training	Count	77	22	34	21	50	39	18	261
		Expected Count	86,0	18,1	45,3	18,1	41,7	36,7	15,1	261,0
		% within Regions of Europe	45,0%	61,1%	37,8%	58,3%	60,2%	53,4%	60,0%	50,3%
		Std. Residual	-1,0	,9	-1,7	,7	1,3	,4	,8	
Total		Count	171	36	90	36	83	73	30	519
		Expected Count	171,0	36,0	90,0	36,0	83,0	73,0	30,0	519,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	34,302(a)	12	,001
Likelihood Ratio	34,920	12	,000
Linear-by-Linear Association	4,506	1	,034
N of Valid Cases	519		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 5,72.

External: using statistics * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
External: using statistics	no need for training	Count	53	6	32	9	13	16	3	132
		Expected Count	43,7	9,8	22,3	8,5	21,2	18,9	7,5	132,0
		% within Regions of Europe	31,4%	15,8%	37,2%	27,3%	15,9%	21,9%	10,3%	25,9%
		Std. Residual	1,4	-1,2	2,1	,2	-1,8	-,7	-1,6	
	need basic training	Count	61	14	18	9	28	27	6	163
		Expected Count	54,0	12,1	27,5	10,5	26,2	23,3	9,3	163,0
		% within Regions of Europe	36,1%	36,8%	20,9%	27,3%	34,1%	37,0%	20,7%	32,0%
		Std. Residual	1,0	,5	-1,8	-,5	,4	,8	-1,1	
	need more advanced training	Count	55	18	36	15	41	30	20	215
		Expected Count	71,2	16,0	36,3	13,9	34,6	30,8	12,2	215,0
		% within Regions of Europe	32,5%	47,4%	41,9%	45,5%	50,0%	41,1%	69,0%	42,2%
		Std. Residual	-1,9	,5	,0	,3	1,1	-,1	2,2	
Total		Count	169	38	86	33	82	73	29	510
		Expected Count	169,0	38,0	86,0	33,0	82,0	73,0	29,0	510,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	30,814(a)	12	,002
Likelihood Ratio	31,755	12	,002
Linear-by-Linear Association	12,120	1	,000
N of Valid Cases	510		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 7,51.

External: writing items * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
External: writing items	no need for training	Count	58	6	41	14	15	17	5	156
		Expected Count	50,8	11,8	26,9	10,6	24,8	22,4	8,8	156,0
		% within Regions of Europe	34,5%	15,4%	46,1%	40,0%	18,3%	23,0%	17,2%	30,2%
		Std. Residual	1,0	-1,7	2,7	1,1	-2,0	-1,1	-1,3	
	need basic training	Count	51	12	13	3	24	21	5	129
		Expected Count	42,0	9,8	22,3	8,8	20,5	18,5	7,3	129,0
		% within Regions of Europe	30,4%	30,8%	14,6%	8,6%	29,3%	28,4%	17,2%	25,0%
		Std. Residual	1,4	,7	-2,0	-1,9	,8	,6	-,8	
	need more advanced training	Count	59	21	35	18	43	36	19	231
		Expected Count	75,2	17,5	39,8	15,7	36,7	33,1	13,0	231,0
		% within Regions of Europe	35,1%	53,8%	39,3%	51,4%	52,4%	48,6%	65,5%	44,8%
		Std. Residual	-1,9	,8	-,8	,6	1,0	,5	1,7	
Total		Count	168	39	89	35	82	74	29	516
		Expected Count	168,0	39,0	89,0	35,0	82,0	74,0	29,0	516,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	40,098(a)	12	,000
Likelihood Ratio	42,302	12	,000
Linear-by-Linear Association	11,157	1	,001
N of Valid Cases	516		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 7,25.

External: Reviewing items * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
External: Reviewing items	no need for training	Count	61	4	43	14	15	21	5	163
		Expected Count	53,3	11,7	28,4	11,0	25,9	23,6	9,1	163,0
		% within Regions of Europe	36,1%	10,8%	47,8%	40,0%	18,3%	28,0%	17,2%	31,5%
		Std. Residual	1,1	-2,2	2,7	,9	-2,1	-,5	-1,4	
	need basic training	Count	54	16	12	4	22	19	6	133
		Expected Count	43,5	9,5	23,2	9,0	21,1	19,3	7,5	133,0
		% within Regions of Europe	32,0%	43,2%	13,3%	11,4%	26,8%	25,3%	20,7%	25,7%
		Std. Residual	1,6	2,1	-2,3	-1,7	,2	-,1	-,5	
	need more advanced training	Count	54	17	35	17	45	35	18	221
		Expected Count	72,2	15,8	38,5	15,0	35,1	32,1	12,4	221,0
		% within Regions of Europe	32,0%	45,9%	38,9%	48,6%	54,9%	46,7%	62,1%	42,7%
		Std. Residual	-2,1	,3	-,6	,5	1,7	,5	1,6	
Total		Count	169	37	90	35	82	75	29	517
		Expected Count	169,0	37,0	90,0	35,0	82,0	75,0	29,0	517,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	47,574(a)	12	,000
Likelihood Ratio	50,218	12	,000
Linear-by-Linear Association	12,300	1	,000
N of Valid Cases	517		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 7,46.

External: acting as an interviewer * Regions of Europe

Crosstab

			Regions of Europe							
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	Total
External: acting as an interviewer	no need for training	Count	56	7	45	11	15	18	7	159
		Expected Count	52,3	11,8	26,9	10,9	25,1	22,4	9,7	159,0
		% within Regions of Europe	32,4%	17,9%	50,6%	30,6%	18,1%	24,3%	21,9%	30,2%
		Std. Residual	,5	-1,4	3,5	,0	-2,0	-,9	-,9	
	need basic training	Count	37	12	16	3	21	14	4	107
		Expected Count	35,2	7,9	18,1	7,3	16,9	15,1	6,5	107,0
		% within Regions of Europe	21,4%	30,8%	18,0%	8,3%	25,3%	18,9%	12,5%	20,3%
		Std. Residual	,3	1,4	-,5	-1,6	1,0	-,3	-1,0	
	need more advanced training	Count	80	20	28	22	47	42	21	260
		Expected Count	85,5	19,3	44,0	17,8	41,0	36,6	15,8	260,0
		% within Regions of Europe	46,2%	51,3%	31,5%	61,1%	56,6%	56,8%	65,6%	49,4%
		Std. Residual	-,6	,2	-2,4	1,0	,9	,9	1,3	
Total		Count	173	39	89	36	83	74	32	526
		Expected Count	173,0	39,0	89,0	36,0	83,0	74,0	32,0	526,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	37,612(a)	12	,000
Likelihood Ratio	37,820	12	,000
Linear-by-Linear Association	7,139	1	,008
N of Valid Cases	526		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 6,51.

External: defining assessment criteria * Regions of Europe

Crosstab

			Regions of Europe							Total
			Northern Europe	Baltic region	Western Europe	Central Europe	South-Eastern Europe	Eastern Europe	Southern Europe	
External: defining assessment criteria	no need for training	Count	43	3	35	9	12	15	4	121
		Expected Count	39,4	8,9	21,0	7,9	19,1	17,5	7,2	121,0
		% within Regions of Europe	25,4%	7,9%	38,9%	26,5%	14,6%	20,0%	12,9%	23,3%
		Std. Residual	,6	-2,0	3,1	,4	-1,6	-,6	-1,2	
	need basic training	Count	50	17	12	5	21	21	5	131
		Expected Count	42,7	9,6	22,7	8,6	20,7	18,9	7,8	131,0
		% within Regions of Europe	29,6%	44,7%	13,3%	14,7%	25,6%	28,0%	16,1%	25,2%
		Std. Residual	1,1	2,4	-2,2	-1,2	,1	,5	-1,0	
	need more advanced training	Count	76	18	43	20	49	39	22	267
		Expected Count	86,9	19,5	46,3	17,5	42,2	38,6	15,9	267,0
		% within Regions of Europe	45,0%	47,4%	47,8%	58,8%	59,8%	52,0%	71,0%	51,4%
		Std. Residual	-1,2	-,4	-,5	,6	1,0	,1	1,5	
Total		Count	169	38	90	34	82	75	31	519
		Expected Count	169,0	38,0	90,0	34,0	82,0	75,0	31,0	519,0
		% within Regions of Europe	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	38,442(a)	12	,000
Likelihood Ratio	38,976	12	,000
Linear-by-Linear Association	6,802	1	,009
N of Valid Cases	519		

a 0 cells (,0%) have expected count less than 5. The minimum expected count is 7,23.