Annex 3

Complete extracts from SPSS statistical analyzes

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Factor Analysis

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES 3B1 3B2 3B3 3B4 3B5 3B6 /MISSING LISTWISE /ANALYSIS 3B1 3B2 3B3 3B4 3B5 3B6 /PRINT INITIAL CORRELATION SIG KMO AIC EXTRACTION /PLOT EIGEN /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
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	Maximum Memory Required	5544 (5,414K) bytes

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Correlation Matrix

	Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?	Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	Do you receive a good, proper remuneration for your work?	Do you consider that you deserve higher remuneration for your work?	Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	How do you assess your personal prospects in financial aspect, if you stay in the country?
Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?						

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CCI Number: CCI 2014TC16I5CB007.

Correlation	Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?	1,000	,612	,518	,561	,676	,688
	Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	,612	1,000	,231	,581	,753	,648
	Do you receive a good, proper remuneration for your work?	,518	,231	1,000	,259	,403	,549
	Do you consider that you deserve higher remuneration for your work?	,561	,581	,259	1,000	,544	,562

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	Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	,676	,753	,403	,544	1,000	,774
	How do you assess your personal prospects in financial aspect, if you stay in the country?	,688	,648	,549	,562	,774	1,000
Sig. (1-tailed)	Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?		,000	,000	,000	,000	,000
	Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	,000		,000	,000	,000	,000

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CCI Number: CCI 2014TC16I5CB007.

	Do you receive a good, proper remuneration for your work?	,000	,000		,000	,000	,000
	Do you consider that you deserve higher remuneration for your work?	,000	,000	,000		,000	,000
	Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	,000	,000	,000	,000		,000
	How do you assess your personal prospects in financial aspect, if you stay in the country?	,000	,000	,000	,000	,000	

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,849
Bartlett's Test of Sphericity	Approx. Chi-Square	7473,774
	df	15
	Sig.	,000

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CCI Number: CCI 2014TC16I5CB007.

Anti-image Matrices

	Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?	Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	Do you receive a good, proper remuneration for your work?	Do you consider that you deserve higher remuneration for your work?	Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	How do you assess your personal prospects in financial aspect, if you stay in the country?

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Anti-image Covariance	Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?	,399	-,067	-,153	-,104	-,058	-,050
	Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	-,067	,362	,111	-,103	-,143	-,042
	Do you receive a good, proper remuneration for your work?	-,153	,111	,603	,044	-,006	-,152
	Do you consider that you deserve higher remuneration for your work?	-,104	-,103	,044	,574	,000	-,071

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	Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	-,058	-,143	-,006	,000	,282	-,122
	How do you assess your personal prospects in financial aspect, if you stay in the country?	-,050	-,042	-,152	-,071	-,122	,296
Anti-image Correlation	Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?	,893[a]	-,176	-,311	-,218	-,172	-,145

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	Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	-,176	,831[a]	,238	-,225	-,448	-,128
	Do you receive a good, proper remuneration for your work?	-,311	,238	,748[a]	,074	-,015	-,358
	Do you consider that you deserve higher remuneration for your work?	-,218	-,225	,074	,909[a]	,001	-,172
	Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	-,172	-,448	-,015	,001	,836[a]	-,423
	How do you assess your personal prospects in financial aspect, if you stay in the country?	-,145	-,128	-,358	-,172	-,423	,849[a]

a. Measures of Sampling Adequacy(MSA)

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Communalities

	Initial	Extraction
Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?	1,000	,726
Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	1,000	,667
Do you receive a good, proper remuneration for your work?	1,000	,342
Do you consider that you deserve higher remuneration for your work?	1,000	,537
Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	1,000	,781
How do you assess your personal prospects in financial aspect, if you stay in the country?	1,000	,792

Extraction Method: Principal Component Analysis.

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Total Variance Explained

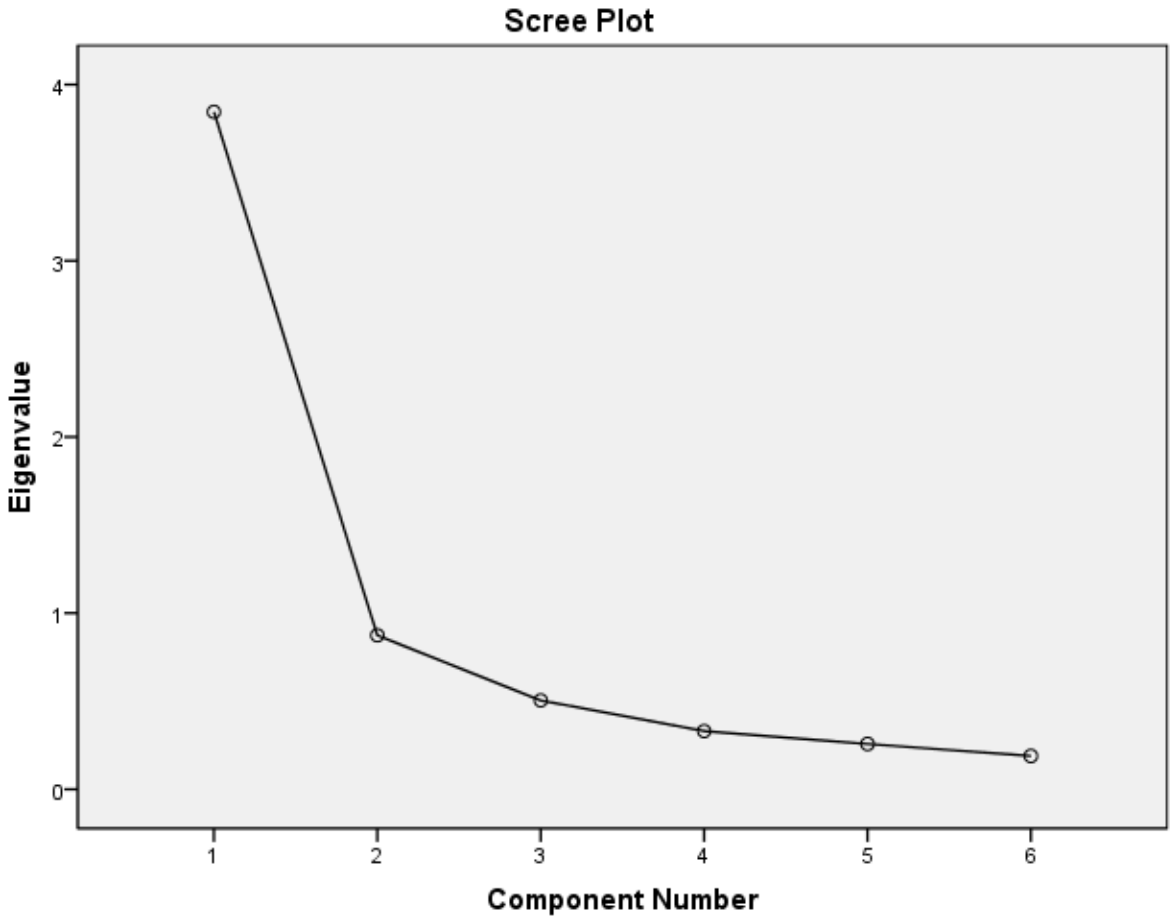
Component	Initial Eigenvalues			Extraction Sums of Squared Loadings
	Total	% of Variance	Cumulative %	Total
1	3,845	64,086	64,086	3,845
2	,874	14,564	78,651	
3	,504	8,403	87,053	
4	,330	5,508	92,561	
5	,257	4,286	96,847	
6	,189	3,153	100,000	

Total Variance Explained

Component	Extraction Sums of Squared Loadings	
	% of Variance	Cumulative %
1	64,086	64,086
2		
3		
4		
5		
6		

Extraction Method: Principal Component Analysis.

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.



The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Component Matrix[a]

	Component
	1
Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?Taking into account the income you have, can you live independently - without destitution, but also without unnecessary expenses?	,852
Do you consider that person with your education can find work in your city / village that can ensure income for fair life?	,817
Do you receive a good, proper remuneration for your work?	,585
Do you consider that you deserve higher remuneration for your work?	,733
Assume that the society is divided on 7 stages. at the 7th stage are the most wealthy, and at the 1st – the most poor?	,884
How do you assess your personal prospects in financial aspect, if you stay in the country?	,890

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Extraction Method: Principal Component

Analysis.

a. 1 components extracted.

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  /ANALYSIS EM1 EM2 EM3 EM4 EM5
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  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
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CCI Number: CCI 2014TC16I5CB007.

Factor Analysis

Notes

Comments		
	Active Dataset	DataSet1
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	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES EM1 EM2 EM3 EM4 EM5 /MISSING LISTWISE /ANALYSIS EM1 EM2 EM3 EM4 EM5 /PRINT INITIAL CORRELATION SIG KMO AIC EXTRACTION /PLOT EIGEN /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00 00:00:00,203
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The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Correlation Matrix

		Do you consider that person with your education may find the work to provide such income abroad?	What is the main reason to think about emigration abroad?	Do you consider that people with your education abroad live better of you?
Correlation	Do you consider that person with your education may find the work to provide such income abroad?	1,000	,080	,638
	What is the main reason to think about emigration abroad?	,080	1,000	-,052
	Do you consider that people with your education abroad live better of you?	,638	-,052	1,000
	Would you advise your children to emigrate abroad?	-,600	,347	-,427
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,498	,335	,242
Sig. (1-tailed)	Do you consider that person with your education may find the work to provide such income abroad?		,000	,000

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CCI Number: CCI 2014TC16I5CB007.

	What is the main reason to think about emigration abroad?	,000		,009
	Do you consider that people with your education abroad live better of you?	,000	,009	
	Would you advise your children to emigrate abroad?	,000	,000	,000
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,000	,000	,000

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CCI Number: CCI 2014TC16I5CB007.

Correlation Matrix

		Would you advise your children to emigrate abroad?	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?
Correlation	Do you consider that person with your education may find the work to provide such income abroad?	-,600	,498
	What is the main reason to think about emigration abroad?	,347	,335
	Do you consider that people with your education abroad live better of you?	-,427	,242
	Would you advise your children to emigrate abroad?	1,000	-,361
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	-,361	1,000
Sig. (1-tailed)	Do you consider that person with your education may find the work to provide such income abroad?	,000	,000
	What is the main reason to think about emigration abroad?	,000	,000

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CCI Number: CCI 2014TC16I5CB007.

	Do you consider that people with your education abroad live better of you?	,000	,000
	Would you advise your children to emigrate abroad?		,000
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,000	

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,574
Bartlett's Test of Sphericity	Approx. Chi-Square	3726,350
	df	10
	Sig.	,000

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CCI Number: CCI 2014TC16I5CB007.

Anti-image Matrices

		Do you consider that person with your education may find the work to provide such income abroad?	What is the main reason to think about emigration abroad?	Do you consider that people with your education abroad live better of you?
Anti-image Covariance	Do you consider that person with your education may find the work to provide such income abroad?	,373	-,111	-,246
	What is the main reason to think about emigration abroad?	-,111	,597	,040
	Do you consider that people with your education abroad live better of you?	-,246	,040	,579
	Would you advise your children to emigrate abroad?	,181	-,284	,016
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	-,108	-,261	,046
Anti-image Correlation	Do you consider that person with your education may find the work to provide such income abroad?	,633[a]	-,235	-,530
	What is the main reason to think about emigration abroad?	-,235	,300[a]	,068

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	Do you consider that people with your education abroad live better of you?	-,530	,068	,690[a]
	Would you advise your children to emigrate abroad?	,450	-,558	,031
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	-,230	-,439	,079

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CCI Number: CCI 2014TC16I5CB007.

Anti-image Matrices

		Would you advise your children to emigrate abroad?	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?
Anti-image Covariance	Do you consider that person with your education may find the work to provide such income abroad?	,181	-,108
	What is the main reason to think about emigration abroad?	-,284	-,261
	Do you consider that people with your education abroad live better of you?	,016	,046
	Would you advise your children to emigrate abroad?	,434	,162
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,162	,593
Anti-image Correlation	Do you consider that person with your education may find the work to provide such income abroad?	,450	-,230
	What is the main reason to think about emigration abroad?	-,558	-,439

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CCI Number: CCI 2014TC16I5CB007.

	Do you consider that people with your education abroad live better of you?	,031	,079
	Would you advise your children to emigrate abroad?	,562[a]	,319
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,319	,609[a]

a. Measures of Sampling Adequacy(MSA)

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Communalities

	Initial	Extraction
Do you consider that person with your education may find the work to provide such income abroad?	1,000	,818
What is the main reason to think about emigration abroad?	1,000	,890
Do you consider that people with your education abroad live better of you?	1,000	,584
Would you advise your children to emigrate abroad?	1,000	,768
Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	1,000	,696

Extraction Method: Principal Component Analysis.

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CCI Number: CCI 2014TC16I5CB007.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings
	Total	% of Variance	Cumulative %	Total
1	2,410	48,193	48,193	2,410
2	1,347	26,950	75,143	1,347
3	,690	13,799	88,942	
4	,325	6,500	95,443	
5	,228	4,557	100,000	

Total Variance Explained

Component	Extraction Sums of Squared Loadings	
	% of Variance	Cumulative %
1	48,193	48,193
2	26,950	75,143
3		
4		
5		

Extraction Method: Principal Component Analysis.

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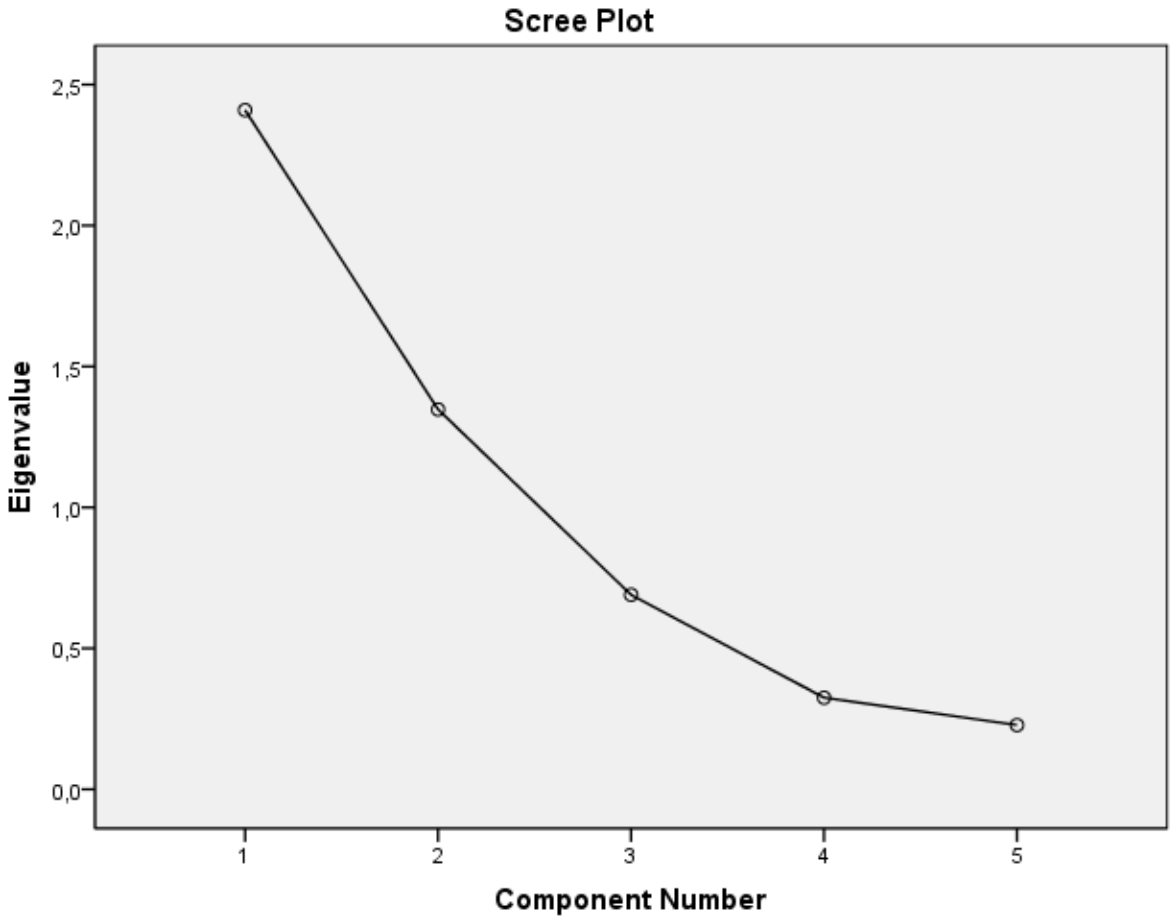
CCI Number: CCI 2014TC16I5CB007.



The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Component Matrix[a]

	Component	
	1	2
Do you consider that person with your education may find the work to provide such income abroad?	,901	,079
What is the main reason to think about emigration abroad?	-,015	,943
Do you consider that people with your education abroad live better of you?	,756	-,116
Would you advise your children to emigrate abroad?	-,781	,397
Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,645	,530

Extraction Method: Principal Component Analysis.

a. 2 components extracted.

```
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  /ANALYSIS EM1 EM3 EM4 EM5
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  /PLOT EIGEN
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
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CCI Number: CCI 2014TC16I5CB007.

Factor Analysis

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES EM1 EM3 EM4 EM5 /MISSING LISTWISE /ANALYSIS EM1 EM3 EM4 EM5 /PRINT INITIAL CORRELATION SIG KMO AIC EXTRACTION /PLOT EIGEN /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00 00:00:00,172
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	Maximum Memory Required	2872 (2,805K) bytes

Correlation Matrix

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

		Do you consider that person with your education may find the work to provide such income abroad?	Do you consider that people with your education abroad live better of you?	Would you advise your children to emigrate abroad?
Correlation	Do you consider that person with your education may find the work to provide such income abroad?	1,000	,638	-,600
	Do you consider that people with your education abroad live better of you?	,638	1,000	-,427
	Would you advise your children to emigrate abroad?	-,600	-,427	1,000
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,498	,242	-,361
Sig. (1-tailed)	Do you consider that person with your education may find the work to provide such income abroad?		,000	,000
	Do you consider that people with your education abroad live better of you?	,000		,000
	Would you advise your children to emigrate abroad?	,000	,000	

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CCI Number: CCI 2014TC16I5CB007.

Correlation Matrix

		Do you consider that person with your education may find the work to provide such income abroad?	Do you consider that people with your education abroad live better of you?	Would you advise your children to emigrate abroad?
Correlation	Do you consider that person with your education may find the work to provide such income abroad?	1,000	,638	-,600
	Do you consider that people with your education abroad live better of you?	,638	1,000	-,427
	Would you advise your children to emigrate abroad?	-,600	-,427	1,000
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,498	,242	-,361
Sig. (1-tailed)	Do you consider that person with your education may find the work to provide such income abroad?		,000	,000
	Do you consider that people with your education abroad live better of you?	,000		,000
	Would you advise your children to emigrate abroad?	,000	,000	
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,000	,000	,000

th" No
Bulgaria -
Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Correlation Matrix

		Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?
Correlation	Do you consider that person with your education may find the work to provide such income abroad?	,498
	Do you consider that people with your education abroad live better of you?	,242
	Would you advise your children to emigrate abroad?	-,361
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	1,000
Sig. (1-tailed)	Do you consider that person with your education may find the work to provide such income abroad?	,000
	Do you consider that people with your education abroad live better of you?	,000
	Would you advise your children to emigrate abroad?	,000

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CCI Number: CCI 2014TC16I5CB007.

Correlation Matrix

		Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?
Correlation	Do you consider that person with your education may find the work to provide such income abroad?	,498
	Do you consider that people with your education abroad live better of you?	,242
	Would you advise your children to emigrate abroad?	-,361
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	1,000
Sig. (1-tailed)	Do you consider that person with your education may find the work to provide such income abroad?	,000
	Do you consider that people with your education abroad live better of you?	,000
	Would you advise your children to emigrate abroad?	,000
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	

Grounds for better future of our youth" No
peration Program Interreg-IPA CBC Bulgaria -
rogram,
4TC16I5CB007.

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,693
Bartlett's Test of Sphericity	Approx. Chi-Square	2658,379
	df	6
	Sig.	,000

Anti-image Matrices

		Do you consider that person with your education may find the work to provide such income abroad?	Do you consider that people with your education abroad live better of you?	Would you advise your children to emigrate abroad?
Anti-image Covariance	Do you consider that person with your education may find the work to provide such income abroad?	,395	-,254	,197
	Do you consider that people with your education abroad live better of you?	-,254	,582	,050
	Would you advise your children to emigrate abroad?	,197	,050	,631
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	-,205	,079	,068

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Anti-image Correlation	Do you consider that person with your education may find the work to provide such income abroad?	,635[a]	-,530	,395
	Do you consider that people with your education abroad live better of you?	-,530	,682[a]	,083
	Would you advise your children to emigrate abroad?	,395	,083	,796[a]
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	-,381	,121	,099

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CCI Number: CCI 2014TC16I5CB007.

Anti-image Matrices

		Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?
Anti-image Covariance	Do you consider that person with your education may find the work to provide such income abroad?	-,205
	Do you consider that people with your education abroad live better of you?	,079
	Would you advise your children to emigrate abroad?	,068
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,735
Anti-image Correlation	Do you consider that person with your education may find the work to provide such income abroad?	-,381
	Do you consider that people with your education abroad live better of you?	,121
	Would you advise your children to emigrate abroad?	,099

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Anti-image Matrices

		Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?
Anti-image Covariance	Do you consider that person with your education may find the work to provide such income abroad?	-,205
	Do you consider that people with your education abroad live better of you?	,079
	Would you advise your children to emigrate abroad?	,068
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,735
Anti-image Correlation	Do you consider that person with your education may find the work to provide such income abroad?	-,381
	Do you consider that people with your education abroad live better of you?	,121
	Would you advise your children to emigrate abroad?	,099
	Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,720[a]

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rogram Interreg-IPA CBC Bulgaria -
B007.

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Do you consider that person with your education may find the work to provide such income abroad?	1,000	,813
Do you consider that people with your education abroad live better of you?	1,000	,570
Would you advise your children to emigrate abroad?	1,000	,606
Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	1,000	,420

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings
Component	Total	% of Variance	Cumulative %	Total
1	2,410	60,239	60,239	2,410
2	,768	19,192	79,430	
3	,550	13,742	93,172	
4	,273	6,828	100,000	

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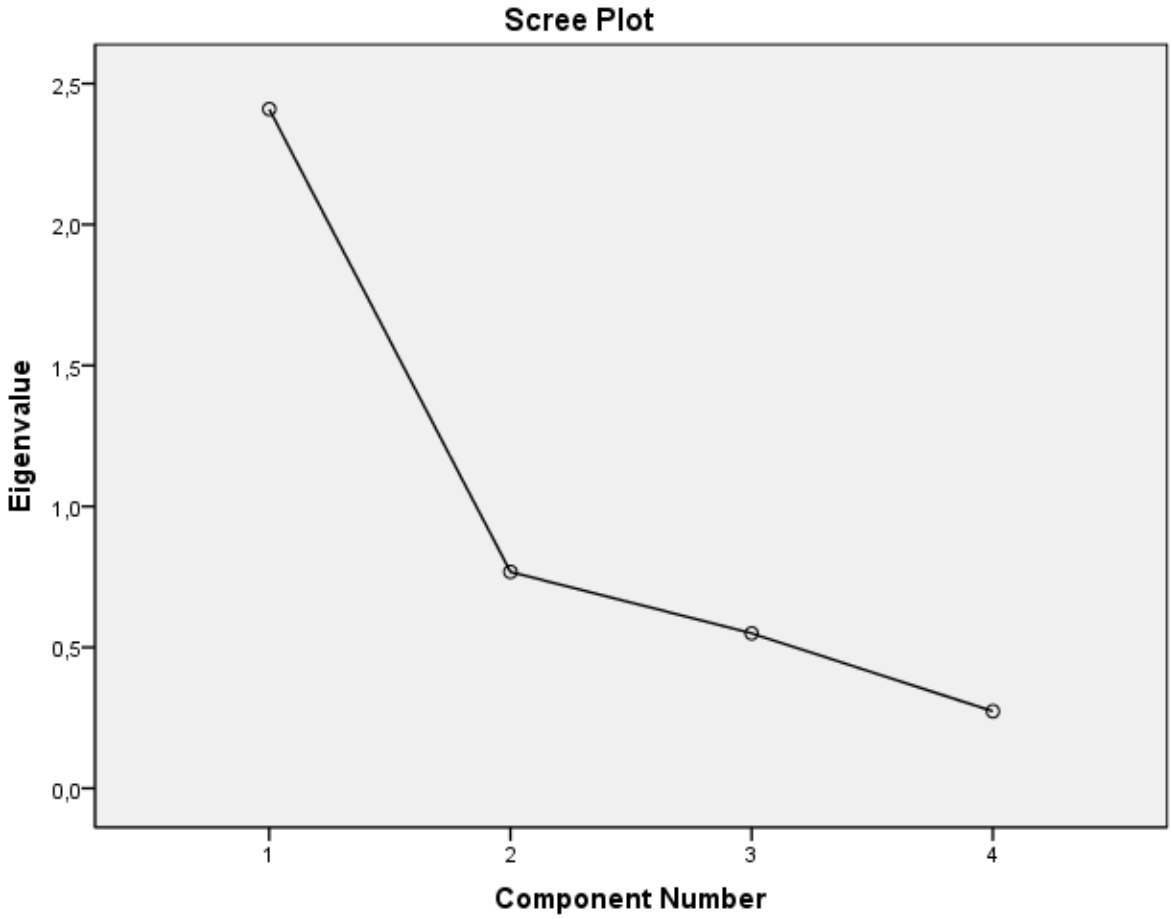
CCI Number: CCI 2014TC16I5CB007.

Total Variance Explained

Component	Extraction Sums of Squared Loadings	
	% of Variance	Cumulative %
1	60,239	60,239
2		
3		
4		

Extraction Method: Principal Component Analysis.



The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Component Matrix[a]

	Component
	1
Do you consider that person with your education may find the work to provide such income abroad?	,902
Do you consider that people with your education abroad live better of you?	,755
Would you advise your children to emigrate abroad?	-,779
Do you think that the inhabitants of the bigger cities live better than the inhabitants of the smaller towns?	,648

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

```
COMPUTE EM0=(EM1+EM3+EM4+EM5)/4.
EXECUTE.
FACTOR
  /VARIABLES Емигрира1 Емигрира2
  /MISSING LISTWISE
  /ANALYSIS Емигрира1 Емигрира2
  /PRINT INITIAL CORRELATION SIG KMO AIC EXTRACTION
  /PLOT EIGEN
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```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CCI Number: CCI 2014TC16I5CB007.

Factor Analysis

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES Емигрира1 Емигрира2 /MISSING LISTWISE /ANALYSIS Емигрира1 Емигрира2 /PRINT INITIAL CORRELATION SIG KMO AIC EXTRACTION /PLOT EIGEN /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00 00:00:00,141
	Elapsed Time	00 00:00:00,148
	Maximum Memory Required	1064 (1,039K) bytes

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Correlation Matrix

		Do you have plans to emigrate abroad in the near 3 years?	Would you emigrate to another city in the country?
Correlation	Do you have plans to emigrate abroad in the near 3 years?	1,000	,768
	Would you emigrate to another city in the country?	,768	1,000
Sig. (1-tailed)	Do you have plans to emigrate abroad in the near 3 years?		,000
	Would you emigrate to another city in the country?	,000	

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,500
Bartlett's Test of Sphericity	Approx. Chi-Square	1845,962
	df	1
	Sig.	,000

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CCI Number: CCI 2014TC16I5CB007.

Anti-image Matrices

		Do you have plans to emigrate abroad in the near 3 years?	Would you emigrate to another city in the country?
Anti-image Covariance	Do you have plans to emigrate abroad in the near 3 years?	,411	-,315
	Would you emigrate to another city in the country?	-,315	,411
Anti-image Correlation	Do you have plans to emigrate abroad in the near 3 years?	,500[a]	-,768
	Would you emigrate to another city in the country?	-,768	,500[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Do you have plans to emigrate abroad in the near 3 years?	1,000	,884
Would you emigrate to another city in the country?	1,000	,884

Extraction Method: Principal Component Analysis.

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Total Variance Explained

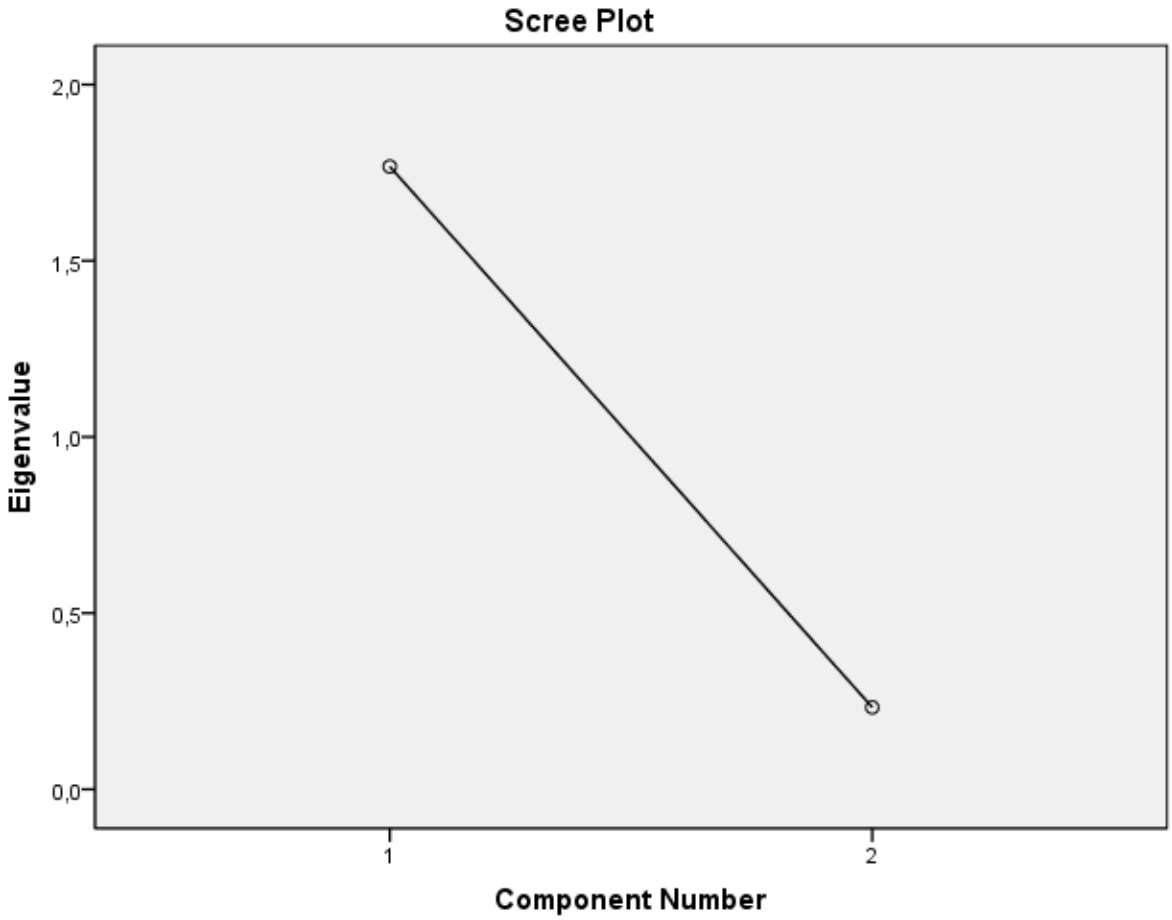
Component	Initial Eigenvalues			Extraction Sums of Squared Loadings
	Total	% of Variance	Cumulative %	Total
1	1,768	88,376	88,376	1,768
2	,232	11,624	100,000	

Total Variance Explained

Component	Extraction Sums of Squared Loadings	
	% of Variance	Cumulative %
1	88,376	88,376
2		

Extraction Method: Principal Component Analysis.

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.



The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Component Matrix[a]

	Component
	1
Do you have plans to emigrate abroad in the near 3 years?	,940
Would you emigrate to another city in the country?	,940

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

```
COMPUTE Емиграция=(Емигрира1+Емигрира2)/2.
EXECUTE.
LOGISTIC REGRESSION VARIABLES Емиграция
  /METHOD=FSTEP(LR) Пол
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).


LOGISTIC REGRESSION VARIABLES Емигрира1
  /METHOD=FSTEP(LR) Пол Възраст Образование ЗВ0 ЕМ0
  /SAVE=PRED PGROUP
  /PRINT=GOODFIT ITER(1) CI(95)
  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```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CCI Number: CCI 2014TC16I5CB007.

Logistic Regression

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES Емигрира1 /METHOD=FSTEP(LR) Пол Възраст Образование ЗВ0 ЕМ0 /SAVE=PRED PGROUP /PRINT=GOODFIT ITER(1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
Resources	Processor Time	00 00:00:00,109
	Elapsed Time	00 00:00:00,100
Variables Created or Modified	PRE_2	Predicted probability
	PGR_2	Predicted group

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CCI Number: CCI 2014TC16I5CB007.

Case Processing Summary

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	2078	100,0
	Missing Cases	0	,0
	Total	2078	100,0
Unselected Cases		0	,0
Total		2078	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
yes	0
no	1

Block 0: Beginning Block

Iteration History[a,b,c]

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	2540,742	-,799
	2	2539,768	-,845
	3	2539,768	-,846

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CCI Number: CCI 2014TC16I5CB007.

Iteration History[a,b,c]

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	2540,742	-,799
	2	2539,768	-,845
	3	2539,768	-,846

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 2539,768

c. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Classification Table[a,b]

Observed			Predicted: Do you have plans to emigrate abroad in the near 3 years? yes	Predicted: no
Step 0	Do you have plans to emigrate abroad in the near 3 years?	yes	1454	0
		no	624	0
	Overall Percentage			

Classification Table[a,b]

Observed			Predicted: Percentage Correct
Step 0	Do you have plans to emigrate abroad in the near 3 years?	yes	100,0
		no	,0
	Overall Percentage		70,0

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CCI Number: CCI 2014TC16I5CB007.

a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-,846	,048	312,439	1	,000	,429

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	Sex	74,020	1	,000
		Age	906,650	1	,000
		Education	834,055	1	,000
		3B0	1137,456	1	,000
		EM0	905,085	1	,000
	Overall Statistics		1259,528	5	,000

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CCI Number: CCI 2014TC16I5CB007.

Block 1: Method = Forward Stepwise (Likelihood Ratio)

Iteration History[a,b,c,d,e,f]

Iteration		-2 Log likelihood	Coefficients				
			Constant	3B0	Sex	EM0	Education
Step 1	1	1382,459	-4,293	2,260			
	2	1041,873	-7,418	3,837			
	3	913,724	-10,566	5,383			
	4	880,896	-13,067	6,597			
	5	877,876	-14,116	7,105			
	6	877,844	-14,240	7,165			
	7	877,844	-14,241	7,166			
	8	877,844	-14,241	7,166			
Step 2	1	1329,270	-4,018	2,237	-,560		
	2	959,472	-6,999	3,856	-1,046		
	3	811,755	-10,196	5,539	-1,466		
	4	763,109	-13,216	7,112	-1,826		
	5	754,518	-15,125	8,113	-2,066		
	6	754,130	-15,640	8,387	-2,137		
	7	754,129	-15,668	8,403	-2,141		
	8	754,129	-15,668	8,403	-2,141		
Step 3	1	1274,428	-3,805	1,690	-,537	1,874	
	2	850,708	-6,397	2,768	-1,442	3,608	
	3	623,833	-9,133	3,527	-2,900	7,335	
	4	544,913	-11,957	4,492	-4,315	10,484	
	5	527,426	-14,366	5,661	-5,159	11,507	
	6	525,096	-15,691	6,342	-5,555	11,854	
	7	525,030	-15,965	6,481	-5,635	11,928	
	8	525,030	-15,974	6,485	-5,638	11,930	
	9	525,030	-15,974	6,485	-5,638	11,930	
Step 4	1	1260,528	-2,185	1,228	-,753	1,710	-,425
	2	824,278	-3,280	1,905	-1,809	3,267	-,847
	3	577,801	-4,021	2,198	-3,455	6,736	-1,477

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CCI Number: CCI 2014TC16I5CB007.

4	471,869	-4,123	2,606	-5,288	9,786	-2,452
5	431,470	-4,017	3,511	-7,005	11,091	-3,622
6	418,483	-3,627	4,389	-8,605	11,786	-4,750
7	415,323	-2,219	4,739	-9,860	12,019	-5,814
8	414,359	-,251	4,777	-10,906	12,045	-6,838
9	414,014	1,765	4,778	-11,915	12,046	-7,846
10	413,888	3,771	4,778	-12,918	12,046	-8,850
11	413,842	5,773	4,778	-13,919	12,046	-9,851
12	413,825	7,774	4,778	-14,920	12,046	-10,851
13	413,818	9,774	4,778	-15,920	12,046	-11,851
14	413,816	11,774	4,778	-16,920	12,046	-12,851
15	413,815	13,774	4,778	-17,920	12,046	-13,851
16	413,815	15,774	4,778	-18,920	12,046	-14,851
17	413,815	17,774	4,778	-19,920	12,046	-15,851
18	413,815	19,774	4,778	-20,920	12,046	-16,851
19	413,815	21,774	4,778	-21,920	12,046	-17,851
20	413,815	23,774	4,778	-22,920	12,046	-18,851

a. Method: Forward Stepwise (Likelihood Ratio)

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 2539,768

d. Estimation terminated at iteration number 8 because parameter estimates changed by less than ,001.

e. Estimation terminated at iteration number 9 because parameter estimates changed by less than ,001.

f. Estimation terminated at iteration number 20 because maximum iterations has been reached. Final solution cannot be found.

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	1661,924	1	,000
	Block	1661,924	1	,000
	Model	1661,924	1	,000
Step 2	Step	123,715	1	,000
	Block	1785,639	2	,000
	Model	1785,639	2	,000
Step 3	Step	229,099	1	,000
	Block	2014,738	3	,000
	Model	2014,738	3	,000
Step 4	Step	111,215	1	,000
	Block	2125,953	4	,000
	Model	2125,953	4	,000

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	877,844[a]	,551	,780
2	754,129[a]	,577	,817
3	525,030[b]	,621	,880
4	413,815[c]	,641	,908

a. Estimation terminated at iteration number 8 because parameter estimates changed by less than ,001.

b. Estimation terminated at iteration number 9 because parameter estimates changed by less than ,001.

c. Estimation terminated at iteration number 20 because maximum iterations has been reached. Final solution cannot be found.

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	35,067	6	,000
2	17,470	7	,015
3	17,798	7	,013
4	28,784	7	,000

Contingency Table for Hosmer and Lemeshow Test

		Do you have plans to emigrate abroad in the near 3 years? = yes		Do you have plans to emigrate abroad in the near 3 years? = no		
		Observed	Expected	Observed	Expected	Total
Step 1	1	170	169,991	0	,009	170
	2	249	248,936	0	,064	249
	3	187	186,842	0	,158	187
	4	351	348,188	0	2,812	351
	5	217	209,358	0	7,642	217
	6	158	172,730	72	57,270	230
	7	69	85,481	163	146,519	232
	8	53	32,473	389	409,527	442
Step 2	1	223	222,996	0	,004	223
	2	259	258,961	0	,039	259
	3	182	181,894	0	,106	182
	4	242	241,093	0	,907	242
	5	211	208,391	0	2,609	211
	6	172	181,547	47	37,453	219
	7	112	104,039	72	79,961	184
	8	53	46,881	148	154,119	201
	9	0	8,198	357	348,802	357
Step 3	1	222	222,000	0	,000	222

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CCI Number: CCI 2014TC16I5CB007.

	2	209	208,999	0	,001	209
	3	281	280,889	0	,111	281
	4	214	213,463	0	,537	214
	5	191	188,554	0	2,446	191
	6	171	163,445	0	7,555	171
	7	129	140,081	66	54,919	195
	8	37	33,404	170	173,596	207
	9	0	3,165	388	384,835	388
Step 4	1	230	230,000	0	,000	230
	2	206	206,000	0	,000	206
	3	260	260,000	0	,000	260
	4	210	209,456	0	,544	210
	5	211	208,639	0	2,361	211
	6	171	162,289	0	8,711	171
	7	129	150,118	66	44,882	195
	8	37	27,497	178	187,503	215
	9	0	,000	380	380,000	380

Classification Table[a]

			Predicted	
			Do you have plans to emigrate abroad in the near 3 years?	
	Observed		yes	no
Step 1	Do you have plans to emigrate abroad in the near 3 years?	yes	1332	122
		no	72	552
	Overall Percentage			
Step 2	Do you have plans to emigrate abroad in the near 3 years?	yes	1401	53
		no	119	505
	Overall Percentage			
Step 3	Do you have plans to	yes	1417	37

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	emigrate abroad in the near 3 years?	no	66	558
	Overall Percentage			
Step 4	Do you have plans to emigrate abroad in the near 3 years?	yes	1417	37
		no	39	585
	Overall Percentage			

Classification Table[a]

Observed			Predicted Percentage Correct
Step 1	Do you have plans to emigrate abroad in the near 3 years?	yes	91,6
		no	88,5
	Overall Percentage		90,7
Step 2	Do you have plans to emigrate abroad in the near 3 years?	yes	96,4
		no	80,9
	Overall Percentage		91,7
Step 3	Do you have plans to emigrate abroad in the near 3 years?	yes	97,5
		no	89,4
	Overall Percentage		95,0
Step 4	Do you have plans to emigrate abroad in the near 3 years?	yes	97,5
		no	93,8
	Overall Percentage		96,3

a. The cut value is ,500

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CCI Number: CCI 2014TC16I5CB007.

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	3B0	7,166	,349	422,521	1	,000	1294,220
	Constant	-14,241	,703	410,284	1	,000	,000
Step 2[b]	Sex	-2,141	,216	98,203	1	,000	,117
	3B0	8,403	,477	310,775	1	,000	4459,673
	Constant	-15,668	,900	303,163	1	,000	,000
Step 3[c]	Sex	-5,638	,446	159,498	1	,000	,004
	3B0	6,485	,623	108,507	1	,000	655,450
	EM0	11,930	,968	151,920	1	,000	151808,526
	Constant	-15,974	1,145	194,627	1	,000	,000
Step 4[d]	Sex	-22,920	776,800	,001	1	,976	,000
	Education	-18,851	776,800	,001	1	,981	,000
	3B0	4,778	,737	42,022	1	,000	118,884
	EM0	12,046	1,041	133,910	1	,000	170437,746
	Constant	23,774	1553,600	,000	1	,988	2,114E10

Variables in the Equation

		95% C.I.for EXP(B)	
		Lower	Upper
Step 1[a]	3B0	653,546	2562,952
	Constant		
Step 2[b]	Sex	,077	,179
	3B0	1752,166	11350,914
	Constant		
Step 3[c]	Sex	,001	,009
	3B0	193,460	2220,696
	EM0	22771,241	1012058,516
	Constant		
Step 4[d]	Sex	,000	.
	Education	,000	.

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3B0	28,035	504,122
EM0	22155,677	1311132,339
Constant		

a. Variable(s) entered on step 1: 3B0.

b. Variable(s) entered on step 2: Пол.

c. Variable(s) entered on step 3: EM0.

d. Variable(s) entered on step 4: Образование.

Model if Term Removed

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1	3B0	-1269,884	1661,924	1	,000
Step 2	Sex	-438,922	123,715	1	,000
	3B0	-1231,774	1709,418	1	,000
Step 3	Sex	-431,596	338,161	1	,000
	3B0	-380,522	236,013	1	,000
	EM0	-377,064	229,099	1	,000
Step 4	Sex	-431,402	448,988	1	,000
	Education	-262,515	111,215	1	,000
	3B0	-234,466	55,117	1	,000
	EM0	-293,738	173,661	1	,000

Variables not in the Equation

			Score	df	Sig.
Step 1	Variables	Sex	116,599	1	,000
		Age	12,602	1	,000
		Education	8,070	1	,004
		EM0	13,993	1	,000

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	Overall Statistics		326,488	4	,000
Step 2	Variables	Age	64,846	1	,000
		Education	132,344	1	,000
		EM0	215,431	1	,000
	Overall Statistics		254,510	3	,000
Step 3	Variables	Age	8,165	1	,004
		Education	96,596	1	,000
	Overall Statistics		96,882	2	,000
Step 4	Variables	Age	3,179	1	,075
	Overall Statistics		3,179	1	,075

```
LOGISTIC REGRESSION VARIABLES Емигрира1
  /METHOD=FSTEP(LR) ЗВ1 ЗВ2 ЗВ3 ЗВ4 ЗВ5 ЗВ6
  /SAVE=PRED PGROUP
  /PRINT=GOODFIT ITER(1) CI(95)
  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```


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CCI Number: CCI 2014TC16I5CB007.

Logistic Regression

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES Емигрира1 /METHOD=FSTEP(LR) 3B1 3B2 3B3 3B4 3B5 3B6 /SAVE=PRED PGROUP /PRINT=GOODFIT ITER(1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
Resources	Processor Time	00 00:00:00,079
	Elapsed Time	00 00:00:00,078
Variables Created or Modified	PRE_3	Predicted probability
	PGR_3	Predicted group

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Case Processing Summary

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	2078	100,0
	Missing Cases	0	,0
	Total	2078	100,0
Unselected Cases		0	,0
Total		2078	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
yes	0
no	1

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CCI Number: CCI 2014TC16I5CB007.

Block 0: Beginning Block

Iteration History[a,b,c]

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	2540,742	-,799
	2	2539,768	-,845
	3	2539,768	-,846

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 2539,768

c. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Classification Table[a,b]

Observed			Predicted: Do you have plans to emigrate abroad in the near 3 years? yes	Predicted: Do you have plans to emigrate abroad in the near 3 years? no
Step 0	Do you have plans to emigrate abroad in the near 3 years?	yes	1454	0
		no	624	0
	Overall Percentage			

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Classification Table[a,b]

Observed			Predicted: Percentage Correct
Step 0	Do you have plans to emigrate abroad in the near 3 years?	yes	100,0
		no	,0
	Overall Percentage		70,0

a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-,846	,048	312,439	1	,000	,429

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	3B1	516,374	1	,000
		3B2	981,706	1	,000
		3B3	271,220	1	,000
		3B4	1089,241	1	,000
		3B5	702,083	1	,000
		3B6	868,566	1	,000
	Overall Statistics		1421,228	6	,000

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Block 1: Method = Forward Stepwise (Likelihood Ratio)

Iteration History[a,b,c,d,e,f]

Iteration		-2 Log likelihood	Coefficients				
			Constant	3B4	3B2	3B3	3B6
Step 1	1	1508,238	-1,778	1,539			
	2	1412,123	-2,460	2,029			
	3	1406,199	-2,688	2,175			
	4	1406,154	-2,711	2,189			
	5	1406,154	-2,711	2,189			
Step 2	1	1244,316	-2,908	1,042	1,198		
	2	952,456	-5,112	1,319	2,371		
	3	872,844	-6,790	1,680	3,114		
	4	857,687	-7,829	1,960	3,514		
	5	856,616	-8,193	2,063	3,651		
	6	856,608	-8,228	2,074	3,664		
	7	856,608	-8,229	2,074	3,664		
Step 3	1	1207,013	-3,217	,980	1,143	,485	
	2	926,566	-5,390	1,283	2,168	,627	
	3	845,501	-7,126	1,635	2,885	,706	
	4	829,259	-8,246	1,919	3,282	,767	
	5	828,051	-8,648	2,028	3,421	,786	
	6	828,042	-8,688	2,039	3,435	,788	
	7	828,042	-8,689	2,039	3,435	,788	
Step 4	1	1191,067	-3,571	,918	,959	,308	,354
	2	913,412	-5,970	1,240	1,632	,461	,642
	3	827,360	-8,134	1,590	1,903	,608	1,046
	4	804,768	-10,054	1,884	1,739	,708	1,666
	5	802,101	-11,027	2,028	1,573	,745	2,040
	6	802,056	-11,174	2,051	1,544	,749	2,099
	7	802,056	-11,177	2,052	1,543	,749	2,101
	8	802,056	-11,177	2,052	1,543	,749	2,101

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CCI Number: CCI 2014TC16I5CB007.

Iteration History[a,b,c,d,e,f]

Iteration		-2 Log likelihood	Coefficients				
			Constant	3B4	3B2	3B3	3B6
Step 1	1	1508,238	-1,778	1,539			
	2	1412,123	-2,460	2,029			
	3	1406,199	-2,688	2,175			
	4	1406,154	-2,711	2,189			
	5	1406,154	-2,711	2,189			
Step 2	1	1244,316	-2,908	1,042	1,198		
	2	952,456	-5,112	1,319	2,371		
	3	872,844	-6,790	1,680	3,114		
	4	857,687	-7,829	1,960	3,514		
	5	856,616	-8,193	2,063	3,651		
	6	856,608	-8,228	2,074	3,664		
	7	856,608	-8,229	2,074	3,664		
Step 3	1	1207,013	-3,217	,980	1,143	,485	
	2	926,566	-5,390	1,283	2,168	,627	
	3	845,501	-7,126	1,635	2,885	,706	
	4	829,259	-8,246	1,919	3,282	,767	
	5	828,051	-8,648	2,028	3,421	,786	
	6	828,042	-8,688	2,039	3,435	,788	
	7	828,042	-8,689	2,039	3,435	,788	
Step 4	1	1191,067	-3,571	,918	,959	,308	,354
	2	913,412	-5,970	1,240	1,632	,461	,642
	3	827,360	-8,134	1,590	1,903	,608	1,046
	4	804,768	-10,054	1,884	1,739	,708	1,666
	5	802,101	-11,027	2,028	1,573	,745	2,040
	6	802,056	-11,174	2,051	1,544	,749	2,099
	7	802,056	-11,177	2,052	1,543	,749	2,101
	8	802,056	-11,177	2,052	1,543	,749	2,101

a. Method: Forward Stepwise (Likelihood Ratio)

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 2539,768

d. Estimation terminated at iteration number 5 because parameter estimates changed by less than ,001.

e. Estimation terminated at iteration number 7 because parameter estimates changed by less than ,001.

f. Estimation terminated at iteration number 8 because parameter estimates changed by less than ,001.

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	1133,614	1	,000
	Block	1133,614	1	,000
	Model	1133,614	1	,000
Step 2	Step	549,546	1	,000
	Block	1683,160	2	,000
	Model	1683,160	2	,000
Step 3	Step	28,566	1	,000
	Block	1711,726	3	,000
	Model	1711,726	3	,000
Step 4	Step	25,986	1	,000
	Block	1737,712	4	,000
	Model	1737,712	4	,000

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	1406,154[a]	,420	,596
2	856,608[b]	,555	,787
3	828,042[b]	,561	,796
4	802,056[c]	,567	,803

a. Estimation terminated at iteration number 5 because parameter estimates changed by less than ,001.

b. Estimation terminated at iteration number 7 because parameter estimates changed by less than ,001.

c. Estimation terminated at iteration number 8 because parameter estimates changed by less than ,001.

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Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	607,802	1	,000
2	229,910	3	,000
3	158,726	4	,000
4	165,601	5	,000

Contingency Table for Hosmer and Lemeshow Test

		Do you have plans to emigrate abroad in the near 3 years? = yes		Do you have plans to emigrate abroad in the near 3 years? = no		
		Observed	Expected	Observed	Expected	Total
Step 1	1	1289	1208,663	0	80,337	1289
	2	0	160,674	256	95,326	256
	3	165	84,663	368	448,337	533
Step 2	1	224	223,940	0	,060	224
	2	996	985,736	0	10,264	996
	3	181	171,452	91	100,548	272
	4	0	60,510	256	195,490	256
	5	53	12,361	277	317,639	330
Step 3	1	224	223,917	0	,083	224
	2	411	408,863	0	2,137	411
	3	585	578,352	0	6,648	585
	4	181	171,812	91	100,188	272
	5	0	54,011	256	201,989	256
	6	53	17,044	277	312,956	330
Step 4	1	312	311,855	0	,145	312
	2	235	234,564	0	,436	235
	3	121	120,473	0	,527	121
	4	506	501,364	0	4,636	506
	5	227	211,713	72	87,287	299

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6	0	57,364	273	215,636	273
7	53	16,665	279	315,335	332

Classification Table[a]

			Predicted	
			Do you have plans to emigrate abroad in the near 3 years?	
	Observed		yes	no
Step 1	Do you have plans to emigrate abroad in the near 3 years?	yes	1289	165
		no	256	368
	Overall Percentage			
Step 2	Do you have plans to emigrate abroad in the near 3 years?	yes	1401	53
		no	91	533
	Overall Percentage			
Step 3	Do you have plans to emigrate abroad in the near 3 years?	yes	1401	53
		no	91	533
	Overall Percentage			
Step 4	Do you have plans to emigrate abroad in the near 3 years?	yes	1401	53
		no	72	552
	Overall Percentage			

Classification Table[a]

			Predicted
			Percentage Correct
	Observed		
Step 1	Do you have plans to emigrate abroad in the near 3 years?	yes	88,7
		no	59,0

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	Overall Percentage		79,7
Step 2	Do you have plans to emigrate abroad in the near 3 years?	yes	96,4
		no	85,4
	Overall Percentage		93,1
Step 3	Do you have plans to emigrate abroad in the near 3 years?	yes	96,4
		no	85,4
	Overall Percentage		93,1
Step 4	Do you have plans to emigrate abroad in the near 3 years?	yes	96,4
		no	88,5
	Overall Percentage		94,0

a. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	3B4	2,189	,083	701,779	1	,000	8,926
	Constant	-2,711	,107	644,507	1	,000	,066
Step 2[b]	3B2	3,664	,196	349,467	1	,000	39,009
	3B4	2,074	,129	257,719	1	,000	7,954
	Constant	-8,229	,415	393,704	1	,000	,000
Step 3[c]	3B2	3,435	,198	300,329	1	,000	31,027
	3B3	,788	,149	27,892	1	,000	2,199
	3B4	2,039	,130	246,474	1	,000	7,682
	Constant	-8,689	,439	391,631	1	,000	,000
Step 4[d]	3B2	1,543	,411	14,087	1	,000	4,680
	3B3	,749	,152	24,342	1	,000	2,115
	3B4	2,052	,135	232,156	1	,000	7,780
	3B6	2,101	,434	23,443	1	,000	8,170
	Constant	-11,177	,756	218,530	1	,000	,000

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CCI Number: CCI 2014TC16I5CB007.

Variables in the Equation

		95% C.I.for EXP(B)	
		Lower	Upper
Step 1[a]	3B4	7,591	10,495
	Constant		
Step 2[b]	3B2	26,567	57,279
	3B4	6,175	10,245
	Constant		
Step 3[c]	3B2	21,039	45,756
	3B3	1,641	2,946
	3B4	5,956	9,909
	Constant		
Step 4[d]	3B2	2,090	10,478
	3B3	1,571	2,848
	3B4	5,976	10,130
	3B6	3,491	19,122
	Constant		

a. Variable(s) entered on step 1: 3B4.

b. Variable(s) entered on step 2: 3B2.

c. Variable(s) entered on step 3: 3B3.

d. Variable(s) entered on step 4: 3B6.

Model if Term Removed

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1	3B4	-1269,884	1133,614	1	,000
Step 2	3B2	-703,077	549,546	1	,000
	3B4	-637,325	418,041	1	,000
Step 3	3B2	-635,125	442,209	1	,000
	3B3	-428,304	28,566	1	,000

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CCI Number: CCI 2014TC16I5CB007.

	3B4	-617,075	406,108	1	,000
Step 4	3B2	-408,617	15,177	1	,000
	3B3	-413,409	24,762	1	,000
	3B4	-594,275	386,494	1	,000
	3B6	-414,021	25,986	1	,000

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CCI Number: CCI 2014TC16I5CB007.

Variables not in the Equation

			Score	df	Sig.
Step 1	Variables	3B1	102,908	1	,000
		3B2	507,732	1	,000
		3B3	129,574	1	,000
		3B5	305,280	1	,000
		3B6	453,182	1	,000
	Overall Statistics		611,075	5	,000
Step 2	Variables	3B1	8,807	1	,003
		3B3	29,689	1	,000
		3B5	7,693	1	,006
		3B6	25,369	1	,000
	Overall Statistics		48,050	4	,000
Step 3	Variables	3B1	5,134	1	,023
		3B5	6,957	1	,008
		3B6	23,443	1	,000
	Overall Statistics		24,195	3	,000
Step 4	Variables	3B1	2,441	1	,118
		3B5	1,568	1	,210
	Overall Statistics		3,332	2	,189

```
LOGISTIC REGRESSION VARIABLES Емигрира1
  /METHOD=FSTEP(LR) EM1 EM2 EM3 EM4 EM5
  /SAVE=PRED PGROUP
  /PRINT=GOODFIT ITER(1) CI(95)
  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```


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CCI Number: CCI 2014TC16I5CB007.

Logistic Regression

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES Емигрира1 /METHOD=FSTEP(LR) EM1 EM2 EM3 EM4 EM5 /SAVE=PRED PGROUP /PRINT=GOODFIT ITER(1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
Resources	Processor Time	00 00:00:00,156
	Elapsed Time	00 00:00:00,153
Variables Created or Modified	PRE_6	Predicted probability
	PGR_6	Predicted group

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Case Processing Summary

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	2078	100,0
	Missing Cases	0	,0
	Total	2078	100,0
Unselected Cases		0	,0
Total		2078	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
yes	0
no	1

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CCI Number: CCI 2014TC16I5CB007.

Block 0: Beginning Block

Iteration History[a,b,c]

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	2540,742	-,799
	2	2539,768	-,845
	3	2539,768	-,846

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 2539,768

c. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Classification Table[a,b]

Observed			Predicted: Do you have plans to emigrate abroad in the near 3 years? yes	Predicted: Do you have plans to emigrate abroad in the near 3 years? no
Step 0	Do you have plans to emigrate abroad in the near 3 years?	yes	1454	0
		no	624	0
	Overall Percentage			

Classification Table[a,b]

Observed			Predicted: Percentage Correct
Step 0	Do you have plans to	yes	100,0

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	emigrate abroad in the near 3 years?	no	,0
	Overall Percentage		70,0

a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-,846	,048	312,439	1	,000	,429

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	EM1	978,186	1	,000
		EM2	1,557	1	,212
		EM3	1758,660	1	,000
		EM4	438,536	1	,000
		EM5	76,696	1	,000
	Overall Statistics		1824,258	5	,000

The study is conducted under the project "Grounds for better future of our youth" No CB007.1.21.343 under the Cross-Border Cooperation Program Interreg-IPA CBC Bulgaria - Serbia Program,
CCI Number: CCI 2014TC16I5CB007.

Block 1: Method = Forward Stepwise (Likelihood Ratio)

Iteration History[a,b,c,d,e]

Iteration		-2 Log likelihood	Coefficients				
			Constant	EM3	EM1	EM5	EM4
Step 1	1	856,145	-1,826	3,797			
	2	635,372	-2,623	5,667			
	3	596,587	-3,005	6,933			
	4	590,932	-3,087	7,658			
	5	590,342	-3,090	7,969			
	6	590,328	-3,090	8,026			
	7	590,328	-3,090	8,028			
	8	590,328	-3,090	8,028			
Step 2	1	812,758	-2,000	3,356	,615		
	2	537,598	-3,135	4,719	1,461		
	3	454,737	-4,179	5,632	2,474		
	4	428,526	-5,194	6,276	3,489		
	5	420,315	-6,200	6,584	4,495		
	6	417,512	-7,202	6,641	5,497		
	7	416,488	-8,202	6,643	6,498		
	8	416,111	-9,203	6,643	7,498		
	9	415,973	-10,203	6,643	8,498		
	10	415,922	-11,203	6,643	9,498		
	11	415,903	-12,203	6,643	10,498		
	12	415,896	-13,203	6,643	11,498		
	13	415,894	-14,203	6,643	12,498		
	14	415,893	-15,203	6,643	13,498		
	15	415,892	-16,203	6,643	14,498		
	16	415,892	-17,203	6,643	15,498		
	17	415,892	-18,203	6,643	16,498		
	18	415,892	-19,203	6,643	17,498		
	19	415,892	-20,203	6,643	18,498		
	20	415,892	-21,203	6,643	19,498		
Step 3	1	785,727	-1,991	3,294	,868	-,448	

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	2	476,990	-3,119	4,736	2,011	-1,066	
	3	364,552	-4,158	6,150	3,281	-1,808	
	4	320,616	-5,171	7,813	4,458	-2,553	
	5	306,039	-6,175	9,341	5,534	-3,175	
	6	302,287	-7,177	10,166	6,550	-3,512	
	7	301,228	-8,178	10,341	7,552	-3,588	
	8	300,850	-9,178	10,348	8,552	-3,591	
	9	300,711	-10,178	10,348	9,552	-3,591	
	10	300,659	-11,178	10,348	10,552	-3,591	
	11	300,641	-12,178	10,348	11,552	-3,591	
	12	300,634	-13,178	10,348	12,552	-3,591	
	13	300,631	-14,178	10,348	13,552	-3,591	
	14	300,630	-15,178	10,348	14,552	-3,591	
	15	300,630	-16,178	10,348	15,552	-3,591	
	16	300,630	-17,178	10,348	16,552	-3,591	
	17	300,630	-18,178	10,348	17,552	-3,591	
	18	300,630	-19,178	10,348	18,552	-3,591	
	19	300,630	-20,178	10,348	19,552	-3,591	
	20	300,630	-21,178	10,348	20,552	-3,591	
Step 4	1	784,043	-1,918	3,282	,810	-,459	-,122
	2	471,686	-2,905	4,707	1,845	-1,095	-,364
	3	351,722	-3,679	6,106	2,923	-1,882	-,868
	4	298,415	-4,379	7,823	3,894	-2,714	-1,652
	5	277,508	-5,172	9,478	4,837	-3,426	-2,575
	6	270,916	-6,074	10,395	5,781	-3,810	-3,528
	7	268,715	-7,033	10,598	6,747	-3,900	-4,499
	8	267,891	-8,017	10,607	7,732	-3,905	-5,487
	9	267,583	-9,011	10,608	8,726	-3,905	-6,481
	10	267,470	-10,008	10,608	9,724	-3,905	-7,480
	11	267,428	-11,008	10,608	10,723	-3,905	-8,479
	12	267,412	-12,007	10,608	11,723	-3,905	-9,479
	13	267,407	-13,007	10,608	12,723	-3,905	-10,478
	14	267,404	-14,007	10,608	13,723	-3,905	-11,478
	15	267,404	-15,007	10,608	14,723	-3,905	-12,478

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16	267,403	-16,007	10,608	15,723	-3,905	-13,478
17	267,403	-17,007	10,608	16,723	-3,905	-14,478
18	267,403	-18,007	10,608	17,723	-3,905	-15,478
19	267,403	-19,007	10,608	18,723	-3,905	-16,478
20	267,403	-20,007	10,608	19,723	-3,905	-17,478

a. Method: Forward Stepwise (Likelihood Ratio)

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 2539,768

d. Estimation terminated at iteration number 8 because parameter estimates changed by less than ,001.

e. Estimation terminated at iteration number 20 because maximum iterations has been reached. Final solution cannot be found.

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	1949,440	1	,000
	Block	1949,440	1	,000
	Model	1949,440	1	,000
Step 2	Step	174,436	1	,000
	Block	2123,876	2	,000
	Model	2123,876	2	,000
Step 3	Step	115,263	1	,000
	Block	2239,138	3	,000
	Model	2239,138	3	,000
Step 4	Step	33,226	1	,000
	Block	2272,365	4	,000
	Model	2272,365	4	,000

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CCI Number: CCI 2014TC16I5CB007.

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	590,328[a]	,609	,863
2	415,892[b]	,640	,907
3	300,630[b]	,660	,935
4	267,403[b]	,665	,943

a. Estimation terminated at iteration number 8 because parameter estimates changed by less than ,001.

b. Estimation terminated at iteration number 20 because maximum iterations has been reached. Final solution cannot be found.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	,000	0	.
2	,000	1	,999
3	46,535	4	,000
4	63,236	5	,000

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Contingency Table for Hosmer and Lemeshow Test

		Do you have plans to emigrate abroad in the near 3 years? = yes		Do you have plans to emigrate abroad in the near 3 years? = no		
		Observed	Expected	Observed	Expected	Total
Step 1	1	1450	1450,000	66	66,000	1516
	2	4	4,000	558	558,000	562
Step 2	1	1087	1087,000	0	,000	1087
	2	363	363,000	66	66,000	429
	3	4	4,000	558	558,000	562
Step 3	1	21	21,000	0	,000	21
	2	1066	1066,000	0	,000	1066
	3	250	246,367	0	3,633	250
	4	113	120,288	116	108,712	229
	5	4	,323	145	148,677	149
	6	0	,022	363	362,978	363
Step 4	1	651	651,000	0	,000	651
	2	21	21,000	0	,000	21
	3	415	415,000	0	,000	415
	4	284	280,266	0	3,734	284
	5	79	86,479	116	108,521	195
	6	4	,243	145	148,757	149
	7	0	,012	363	362,988	363

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Classification Table[a]

Observed			Predicted	
			Do you have plans to emigrate abroad in the near 3 years?	
			yes	no
Step 1	Do you have plans to emigrate abroad in the near 3 years?	yes	1450	4
		no	66	558
	Overall Percentage			
Step 2	Do you have plans to emigrate abroad in the near 3 years?	yes	1450	4
		no	66	558
	Overall Percentage			
Step 3	Do you have plans to emigrate abroad in the near 3 years?	yes	1450	4
		no	66	558
	Overall Percentage			
Step 4	Do you have plans to emigrate abroad in the near 3 years?	yes	1450	4
		no	66	558
	Overall Percentage			

Classification Table[a]

Observed			Predicted
			Percentage Correct
Step 1	Do you have plans to emigrate abroad in the near 3 years?	yes	99,7
		no	89,4
	Overall Percentage		96,6
Step 2	Do you have plans to	yes	99,7

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	emigrate abroad in the near 3 years?	no	89,4
	Overall Percentage		96,6
Step 3	Do you have plans to emigrate abroad in the near 3 years?	yes	99,7
		no	89,4
	Overall Percentage		96,6
Step 4	Do you have plans to emigrate abroad in the near 3 years?	yes	99,7
		no	89,4
	Overall Percentage		96,6

a. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	EM3	8,028	,517	240,794	1	,000	3064,773
	Constant	-3,090	,126	602,609	1	,000	,046
Step 2[b]	EM1	19,498	1219,088	,000	1	,987	2,937E8
	EM3	6,643	,519	163,616	1	,000	767,250
	Constant	-21,203	1219,088	,000	1	,986	,000
Step 3[c]	EM1	20,552	1215,680	,000	1	,987	8,429E8
	EM3	10,348	1,093	89,565	1	,000	31179,698
	EM5	-3,591	,522	47,244	1	,000	,028
	Constant	-21,178	1215,680	,000	1	,986	,000
Step 4[d]	EM1	19,723	1084,513	,000	1	,985	3,677E8
	EM3	10,608	1,108	91,598	1	,000	40439,210
	EM4	-17,478	1234,127	,000	1	,989	,000
	EM5	-3,905	,527	54,949	1	,000	,020
	Constant	-20,007	1084,513	,000	1	,985	,000

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Variables in the Equation

		95% C.I.for EXP(B)	
		Lower	Upper
Step 1[a]	EM3	1111,844	8447,979
	Constant		
Step 2[b]	EM1	,000	.
	EM3	277,260	2123,182
	Constant		
Step 3[c]	EM1	,000	.
	EM3	3657,596	265795,746
	EM5	,010	,077
	Constant		
Step 4[d]	EM1	,000	.
	EM3	4606,609	354996,452
	EM4	,000	.
	EM5	,007	,057
	Constant		

a. Variable(s) entered on step 1: EM3.

b. Variable(s) entered on step 2: EM1.

c. Variable(s) entered on step 3: EM5.

d. Variable(s) entered on step 4: EM4.

Model if Term Removed

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1	EM3	-1269,884	1949,440	1	,000
Step 2	EM1	-295,164	174,436	1	,000
	EM3	-653,200	890,509	1	,000
Step 3	EM1	-283,831	267,032	1	,000

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	EM3	-623,780	946,931	1	,000
	EM5	-207,946	115,263	1	,000
Step 4	EM1	-230,992	194,581	1	,000
	EM3	-576,402	885,400	1	,000
	EM4	-150,315	33,226	1	,000
	EM5	-202,006	136,609	1	,000

Variables not in the Equation

			Score	df	Sig.
Step 1	Variables	EM1	174,843	1	,000
		EM2	6,538	1	,011
		EM4	56,881	1	,000
		EM5	17,959	1	,000
	Overall Statistics		448,447	4	,000
Step 2	Variables	EM2	,225	1	,635
		EM4	6,714	1	,010
		EM5	108,453	1	,000
	Overall Statistics		152,245	3	,000
Step 3	Variables	EM2	1,608	1	,205
		EM4	22,400	1	,000
	Overall Statistics		24,070	2	,000
Step 4	Variables	EM2	1,638	1	,201
	Overall Statistics		1,638	1	,201

```
LOGISTIC REGRESSION VARIABLES Емигрира2
  /METHOD=FSTEP(LR) Пол Възраст Образование ЗВ0 ЕМ0
  /SAVE=PRED PGROUP
  /PRINT=GOODFIT ITER(1) CI(95)
  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```


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CCI Number: CCI 2014TC16I5CB007.

Logistic Regression

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES Емигрира2 /METHOD=FSTEP(LR) Пол Възраст Образование ЗВ0 ЕМ0 /SAVE=PRED PGROUP /PRINT=GOODFIT ITER(1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
Resources	Processor Time	00 00:00:00,141
	Elapsed Time	00 00:00:00,143
Variables Created or Modified	PRE_7	Predicted probability
	PGR_7	Predicted group

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CCI Number: CCI 2014TC16I5CB007.

Case Processing Summary

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	2078	100,0
	Missing Cases	0	,0
	Total	2078	100,0
Unselected Cases		0	,0
Total		2078	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
yes	0
no	1

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Block 0: Beginning Block

Iteration History[a,b,c]

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	2827,452	-,320
	2	2827,448	-,322
	3	2827,448	-,322

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 2827,448

c. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Classification Table[a,b]

Observed			Predicted: Would you emigrate to another city in the country? yes	Predicted: Would you emigrate to another city in the country? no
Step 0	Would you emigrate to another city in the country?	yes	1205	0
		no	873	0
	Overall Percentage			

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Classification Table[a,b]

Observed			Predicted: Percentage Correct
Step 0	Would you emigrate to another city in the country?	yes	100,0
		no	,0
	Overall Percentage		58,0

a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-,322	,044	52,587	1	,000	,724

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	Sex	95,264	1	,000
		Age	1035,402	1	,000
		Education	814,708	1	,000
		3B0	1417,394	1	,000
		EM0	887,048	1	,000
	Overall Statistics		1505,177	5	,000

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CCI Number: CCI 2014TC16I5CB007.

Block 1: Method = Forward Stepwise (Likelihood Ratio)

Iteration History[a,b,c,d,e]

Iteration		-2 Log likelihood	Coefficients					
			Constant	3B0	Sex	EM0	Education	Age
Step 1	1	1222,335	-4,520	2,717				
	2	884,438	-7,698	4,546				
	3	773,444	-10,679	6,250				
	4	750,520	-12,760	7,442				
	5	748,998	-13,475	7,851				
	6	748,989	-13,537	7,886				
	7	748,989	-13,537	7,887				
Step 2	1	1134,091	-4,183	2,688	-,687			
	2	698,412	-7,250	4,693	-1,529			
	3	489,327	-10,804	7,061	-2,645			
	4	380,027	-15,170	10,024	-4,183			
	5	319,512	-20,699	13,875	-6,357			
	6	283,813	-28,178	19,184	-9,455			
	7	269,424	-36,396	24,997	-12,820			
	8	267,500	-40,785	28,061	-14,559			
	9	267,450	-41,630	28,641	-14,877			
	10	267,450	-41,659	28,661	-14,887			
	11	267,450	-41,659	28,661	-14,887			
Step 3	1	1129,101	-4,099	2,472	-,678	,739		
	2	694,564	-7,101	4,445	-1,590	,759		
	3	482,237	-10,552	6,676	-2,813	1,180		
	4	363,426	-14,746	9,272	-4,672	2,592		
	5	293,567	-20,172	12,601	-7,436	5,092		
	6	256,370	-27,347	17,325	-10,833	7,133		
	7	239,675	-36,027	23,275	-14,606	8,284		
	8	236,957	-41,327	26,886	-16,830	8,872		
	9	236,876	-42,437	27,634	-17,268	8,967		
	10	236,876	-42,482	27,664	-17,284	8,968		
	11	236,876	-42,482	27,664	-17,284	8,968		
Step 4	1	1108,352	-6,083	3,038	-,413	,939	,520	

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	2	668,000	-10,840	5,465	-1,112	1,313	,992	
	3	463,318	-15,187	7,873	-2,245	2,018	1,290	
	4	349,992	-19,915	10,521	-4,045	3,675	1,526	
	5	280,954	-26,474	14,066	-6,729	6,608	1,911	
	6	244,995	-35,483	19,132	-9,908	9,298	2,503	
	7	230,463	-45,070	24,898	-13,200	10,996	3,004	
	8	228,131	-50,674	28,339	-15,101	11,728	3,253	
	9	228,060	-51,855	29,057	-15,473	11,849	3,306	
	10	228,060	-51,903	29,086	-15,486	11,853	3,308	
	11	228,060	-51,903	29,086	-15,486	11,853	3,308	
Step 5	1	1105,450	-5,200	2,801	-,511	,794	,546	-,238
	2	661,416	-9,229	5,046	-1,327	1,035	1,038	-,427
	3	449,465	-12,172	7,136	-2,710	1,383	1,424	-,853
	4	331,234	-15,559	9,518	-4,768	2,573	1,857	-1,385
	5	262,638	-20,777	12,702	-7,573	5,129	2,419	-1,894
	6	232,352	-27,676	16,825	-10,469	7,506	3,055	-2,305
	7	222,505	-34,769	21,075	-12,932	8,992	3,579	-2,510
	8	220,920	-39,313	23,749	-14,312	9,628	3,810	-2,478
	9	220,862	-40,476	24,407	-14,615	9,753	3,843	-2,424
	10	220,861	-40,532	24,437	-14,628	9,759	3,844	-2,420
	11	220,861	-40,532	24,437	-14,628	9,759	3,844	-2,420

a. Method: Forward Stepwise (Likelihood Ratio)

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 2827,448

d. Estimation terminated at iteration number 7 because parameter estimates changed by less than ,001.

e. Estimation terminated at iteration number 11 because parameter estimates changed by less than ,001.

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CCI Number: CCI 2014TC16I5CB007.

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	2078,460	1	,000
	Block	2078,460	1	,000
	Model	2078,460	1	,000
Step 2	Step	481,539	1	,000
	Block	2559,998	2	,000
	Model	2559,998	2	,000
Step 3	Step	30,574	1	,000
	Block	2590,573	3	,000
	Model	2590,573	3	,000
Step 4	Step	8,816	1	,003
	Block	2599,389	4	,000
	Model	2599,389	4	,000
Step 5	Step	7,198	1	,007
	Block	2606,587	5	,000
	Model	2606,587	5	,000

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	748,989[a]	,632	,850
2	267,450[b]	,708	,953
3	236,876[b]	,713	,958
4	228,060[b]	,714	,960
5	220,861[b]	,715	,961

a. Estimation terminated at iteration number 7 because parameter estimates changed by less than ,001.

b. Estimation terminated at iteration number 11 because parameter estimates changed by less than ,001.

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Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	59,269	6	,000
2	20646848,991	7	,000
3	1,193E9	7	,000
4	3,085E8	7	,000
5	10422,928	8	,000

Contingency Table for Hosmer and Lemeshow Test

		Would you emigrate to another city in the country? = yes		Would you emigrate to another city in the country? = no		
		Observed	Expected	Observed	Expected	Total
Step 1	1	170	169,972	0	,028	170
	2	249	248,765	0	,235	249
	3	187	186,345	0	,655	187
	4	351	336,778	0	14,222	351
	5	165	178,707	52	38,293	217
	6	46	65,482	184	164,518	230
	7	36	15,748	196	216,252	232
	8	1	3,202	441	438,798	442
Step 2	1	222	222,000	0	,000	222
	2	220	220,000	0	,000	220
	3	196	196,000	0	,000	196
	4	264	264,000	0	,000	264
	5	261	254,264	0	6,736	261
	6	41	48,729	195	187,271	236
	7	0	,004	119	118,996	119
	8	0	,003	203	202,997	203
	9	1	,000	356	357,000	357
Step 3	1	222	222,000	0	,000	222

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	2	220	220,000	0	,000	220
	3	249	249,000	0	,000	249
	4	211	211,000	0	,000	211
	5	261	254,078	0	6,922	261
	6	41	48,912	184	176,088	225
	7	0	,010	205	204,990	205
	8	0	,001	162	161,999	162
	9	1	,000	322	323,000	323
Step 4	1	222	222,000	0	,000	222
	2	223	223,000	0	,000	223
	3	267	267,000	0	,000	267
	4	210	209,988	0	,012	210
	5	237	231,260	0	5,740	237
	6	45	51,726	170	163,274	215
	7	0	,026	225	224,974	225
	8	0	,000	156	156,000	156
	9	1	,000	322	323,000	323
Step 5	1	222	222,000	0	,000	222
	2	223	223,000	0	,000	223
	3	137	137,000	0	,000	137
	4	199	199,000	0	,000	199
	5	141	140,969	0	,031	141
	6	184	182,363	0	1,637	184
	7	98	100,071	111	108,929	209
	8	0	,586	166	165,414	166
	9	0	,010	221	220,990	221
	10	1	,000	375	376,000	376

Classification Table[a]

Observed	Predicted	
	Would you emigrate to another city in the country?	
	yes	no

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Step 1	Would you emigrate to another city in the country?	yes	1122	83
		no	52	821
	Overall Percentage			
Step 2	Would you emigrate to another city in the country?	yes	1163	42
		no	0	873
	Overall Percentage			
Step 3	Would you emigrate to another city in the country?	yes	1163	42
		no	0	873
	Overall Percentage			
Step 4	Would you emigrate to another city in the country?	yes	1163	42
		no	0	873
	Overall Percentage			
Step 5	Would you emigrate to another city in the country?	yes	1163	42
		no	0	873
	Overall Percentage			

Classification Table[a]

Observed			Predicted Percentage Correct
Step 1	Would you emigrate to another city in the country?	yes	93,1
		no	94,0
	Overall Percentage		93,5
Step 2	Would you emigrate to another city in the country?	yes	96,5
		no	100,0
	Overall Percentage		98,0
Step 3	Would you emigrate to another city in the country?	yes	96,5
		no	100,0
	Overall Percentage		98,0
Step 4	Would you emigrate to another city in the country?	yes	96,5
		no	100,0
	Overall Percentage		98,0
Step 5	Would you emigrate to	yes	96,5

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another city in the country?	no	100,0
Overall Percentage		98,0

a. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	3B0	7,887	,372	449,242	1	,000	2661,347
	Constant	-13,537	,646	438,739	1	,000	,000
Step 2[b]	Sex	-14,887	1,589	87,825	1	,000	,000
	3B0	28,661	2,781	106,223	1	,000	2,800E12
	Constant	-41,659	4,005	108,223	1	,000	,000
Step 3[c]	Sex	-17,284	1,760	96,461	1	,000	,000
	3B0	27,664	2,873	92,704	1	,000	1,033E12
	EM0	8,968	2,384	14,157	1	,000	7850,662
	Constant	-42,482	4,152	104,664	1	,000	,000
Step 4[d]	Sex	-15,486	1,643	88,887	1	,000	,000
	Education	3,308	,773	18,342	1	,000	27,343
	3B0	29,086	3,005	93,694	1	,000	4,284E12
	EM0	11,853	2,273	27,196	1	,000	140499,046
	Constant	-51,903	5,477	89,802	1	,000	,000
Step 5[e]	Sex	-14,628	1,551	88,910	1	,000	,000
	Age	-2,420	1,102	4,824	1	,028	,089
	Education	3,844	,860	19,968	1	,000	46,706
	3B0	24,437	3,014	65,728	1	,000	4,102E10
	EM0	9,759	2,371	16,940	1	,000	17313,262
	Constant	-40,532	5,908	47,064	1	,000	,000

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Variables in the Equation

		95% C.I.for EXP(B)	
		Lower	Upper
Step 1[a]	ЗВ0	1283,445	5518,559
	Constant		
Step 2[b]	Sex	,000	,000
	ЗВ0	1,203E10	6,521E14
	Constant		
Step 3[c]	Sex	,000	,000
	ЗВ0	3,703E9	2,883E14
	ЕМ0	73,459	839015,282
	Constant		
Step 4[d]	Sex	,000	,000
	Education	6,016	124,283
	ЗВ0	1,186E10	1,547E15
	ЕМ0	1633,059	12087730,607
	Constant		
Step 5[e]	Sex	,000	,000
	Age	,010	,771
	Education	8,653	252,106
	ЗВ0	1,115E8	1,509E13
	ЕМ0	165,987	1805853,157
	Constant		

a. Variable(s) entered on step 1: ЗВ0.

b. Variable(s) entered on step 2: Пол.

c. Variable(s) entered on step 3: ЕМ0.

d. Variable(s) entered on step 4: Образование.

e. Variable(s) entered on step 5: Възраст.

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Model if Term Removed

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1	3B0	-1413,724	2078,460	1	,000
Step 2	Sex	-374,494	481,539	1	,000
	3B0	-1365,282	2463,115	1	,000
Step 3	Sex	-361,680	486,483	1	,000
	3B0	-618,453	1000,030	1	,000
	EM0	-133,725	30,574	1	,000
Step 4	Sex	-288,824	349,589	1	,000
	Education	-118,438	8,816	1	,003
	3B0	-439,649	651,239	1	,000
	EM0	-132,938	37,817	1	,000
Step 5	Sex	-274,776	328,690	1	,000
	Age	-114,030	7,198	1	,007
	Education	-116,081	11,301	1	,001
	3B0	-288,772	356,682	1	,000
	EM0	-123,733	26,605	1	,000

Variables not in the Equation

			Score	df	Sig.
Step 1	Variables	Sex	301,503	1	,000
		Age	122,889	1	,000
		Education	150,262	1	,000
		EM0	27,108	1	,000
	Overall Statistics		317,022	4	,000
Step 2	Variables	Age	13,370	1	,000
		Education	1,413	1	,235
		EM0	22,822	1	,000
	Overall Statistics		32,404	3	,000
Step 3	Variables	Age	4,909	1	,027

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		Education	30,654	1	,000
	Overall Statistics		43,288	2	,000
Step 4	Variables	Age	7,110	1	,008
	Overall Statistics		7,110	1	,008

```
LOGISTIC REGRESSION VARIABLES Емигрира2
  /METHOD=FSTEP(LR) ЗВ1 ЗВ2 ЗВ3 ЗВ4 ЗВ5 ЗВ6
  /SAVE=PRED PGROUP
  /PRINT=GOODFIT ITER(1) CI(95)
  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```


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Logistic Regression

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES Емигрира2 /METHOD=FSTEP(LR) 3B1 3B2 3B3 3B4 3B5 3B6 /SAVE=PRED PGROUP /PRINT=GOODFIT ITER(1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
Resources	Processor Time	00 00:00:00,187
	Elapsed Time	00 00:00:00,200
Variables Created or Modified	PRE_8	Predicted probability
	PGR_8	Predicted group

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Case Processing Summary

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	2078	100,0
	Missing Cases	0	,0
	Total	2078	100,0
Unselected Cases		0	,0
Total		2078	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
yes	0
no	1

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Block 0: Beginning Block

Iteration History[a,b,c]

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	2827,452	-,320
	2	2827,448	-,322
	3	2827,448	-,322

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 2827,448

c. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Classification Table[a,b]

Observed			Predicted: Would you emigrate to another city in the country? yes	Predicted: Would you emigrate to another city in the country? no
Step 0	Would you emigrate to another city in the country?	yes	1205	0
		no	873	0
	Overall Percentage			

Classification Table[a,b]

Observed			Predicted: Percentage Correct
Step 0	Would you emigrate to another city in the country?	yes	100,0
		no	,0
	Overall Percentage		58,0

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a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-,322	,044	52,587	1	,000	,724

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	3B1	871,710	1	,000
		3B2	992,438	1	,000
		3B3	324,298	1	,000
		3B4	1555,333	1	,000
		3B5	887,776	1	,000
		3B6	898,077	1	,000
	Overall Statistics		1721,994	6	,000

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Block 1: Method = Forward Stepwise (Likelihood Ratio)

Iteration History[a,b,c,d,e]

Iteration		-2 Log likelihood	Coefficients					
			Constant	3B4	3B1	3B2	3B6	3B5
Step 1	1	1109,363	-1,579	1,980				
	2	822,185	-2,149	3,189				
	3	699,687	-2,483	4,479				
	4	657,100	-2,629	5,651				
	5	644,047	-2,650	6,618				
	6	640,364	-2,651	7,420				
	7	639,639	-2,651	7,960				
	8	639,581	-2,651	8,168				
	9	639,580	-2,651	8,193				
	10	639,580	-2,651	8,193				
Step 2	1	1007,211	-2,000	1,676	,970			
	2	682,019	-3,135	2,646	1,814			
	3	552,748	-4,179	3,691	2,657			
	4	503,019	-5,194	4,739	3,570			
	5	485,902	-6,200	5,675	4,554			
	6	480,582	-7,202	6,460	5,553			
	7	479,217	-8,202	6,980	6,554			
	8	478,904	-9,203	7,172	7,554			
	9	478,807	-10,203	7,193	8,554			
	10	478,771	-11,203	7,193	9,554			
	11	478,758	-12,203	7,193	10,554			
	12	478,753	-13,203	7,193	11,554			
	13	478,751	-14,203	7,193	12,554			
	14	478,751	-15,203	7,193	13,554			
	15	478,750	-16,203	7,193	14,554			
	16	478,750	-17,203	7,193	15,554			
	17	478,750	-18,203	7,193	16,554			
	18	478,750	-19,203	7,193	17,554			

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	19	478,750	-20,203	7,193	18,554			
	20	478,750	-21,203	7,193	19,554			
Step 3	1	939,625	-2,507	1,499	,589	,713		
	2	601,282	-4,214	2,245	1,125	1,398		
	3	488,592	-5,755	2,910	1,844	1,937		
	4	451,764	-6,941	3,584	2,765	2,112		
	5	438,418	-7,887	4,313	3,779	2,048		
	6	433,748	-8,828	5,008	4,795	1,982		
	7	432,446	-9,812	5,482	5,799	1,965		
	8	432,123	-10,811	5,655	6,800	1,963		
	9	432,018	-11,811	5,673	7,800	1,963		
	10	431,980	-12,811	5,673	8,800	1,963		
	11	431,966	-13,811	5,673	9,800	1,963		
	12	431,961	-14,811	5,673	10,800	1,963		
	13	431,959	-15,811	5,673	11,800	1,963		
	14	431,958	-16,811	5,673	12,800	1,963		
	15	431,958	-17,811	5,673	13,800	1,963		
	16	431,958	-18,811	5,673	14,800	1,963		
	17	431,958	-19,811	5,673	15,800	1,963		
	18	431,958	-20,811	5,673	16,800	1,963		
	19	431,958	-21,811	5,673	17,800	1,963		
	20	431,958	-22,811	5,673	18,800	1,963		
Step 4	1	930,593	-2,867	1,462	,406	,608	,289	
	2	602,058	-4,570	2,226	,903	1,173	,366	
	3	490,554	-5,807	2,906	1,764	1,823	,119	
	4	447,506	-6,601	3,586	3,083	2,519	-,499	
	5	428,171	-7,337	4,339	4,811	3,269	-1,347	
	6	419,095	-8,406	5,085	7,032	4,243	-2,397	
	7	414,223	-10,119	5,714	10,229	5,674	-3,850	
	8	411,244	-12,850	6,493	15,027	7,736	-5,916	
	9	410,191	-15,259	7,529	18,846	9,173	-7,341	
	10	409,823	-17,363	8,543	22,048	10,281	-8,445	
	11	409,689	-19,374	9,544	25,070	11,293	-9,456	
	12	409,639	-21,374	10,544	28,070	12,293	-10,457	
	13	409,621	-23,374	11,543	31,070	13,293	-11,456	
	14	409,614	-25,374	12,543	34,069	14,293	-12,456	

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	15	409,612	-27,374	13,543	37,069	15,293	-13,456	
	16	409,611	-29,373	14,543	40,069	16,293	-14,456	
	17	409,611	-31,373	15,543	43,069	17,293	-15,456	
	18	409,610	-33,373	16,543	46,069	18,293	-16,456	
	19	409,610	-35,373	17,543	49,069	19,293	-17,456	
	20	409,610	-37,373	18,543	52,069	20,293	-18,456	
Step 5	1	928,872	-2,955	1,463	,378	,550	,237	,076
	2	596,905	-4,823	2,219	,847	1,031	,199	,215
	3	475,517	-6,500	2,877	1,698	1,571	-,425	,574
	4	421,121	-8,070	3,549	3,100	2,277	-1,736	1,126
	5	398,399	-9,206	4,354	4,858	3,113	-2,942	1,380
	6	388,638	-10,203	5,155	6,990	4,163	-4,102	1,420
	7	384,036	-11,541	5,881	9,715	5,514	-5,471	1,421
	8	381,496	-13,577	6,697	13,448	7,197	-7,144	1,412
	9	380,277	-16,134	7,789	17,711	8,923	-8,850	1,406
	10	379,854	-18,435	8,879	21,303	10,244	-10,163	1,409
	11	379,706	-20,486	9,896	24,403	11,298	-11,217	1,410
	12	379,652	-22,488	10,897	27,408	12,302	-12,220	1,410
	13	379,632	-24,488	11,897	30,408	13,302	-13,220	1,410
	14	379,625	-26,488	12,897	33,408	14,302	-14,220	1,410
	15	379,622	-28,488	13,897	36,408	15,302	-15,220	1,410
	16	379,621	-30,487	14,897	39,408	16,302	-16,220	1,410
	17	379,621	-32,487	15,897	42,408	17,302	-17,220	1,410
	18	379,621	-34,487	16,897	45,408	18,302	-18,220	1,410
	19	379,621	-36,487	17,897	48,408	19,302	-19,220	1,410
	20	379,621	-38,487	18,897	51,408	20,302	-20,220	1,410

a. Method: Forward Stepwise (Likelihood Ratio)

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 2827,448

d. Estimation terminated at iteration number 10 because parameter estimates changed by less than ,001.

e. Estimation terminated at iteration number 20 because maximum iterations has been reached. Final solution cannot be found.

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Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	2187,868	1	,000
	Block	2187,868	1	,000
	Model	2187,868	1	,000
Step 2	Step	160,830	1	,000
	Block	2348,698	2	,000
	Model	2348,698	2	,000
Step 3	Step	46,793	1	,000
	Block	2395,491	3	,000
	Model	2395,491	3	,000
Step 4	Step	22,347	1	,000
	Block	2417,838	4	,000
	Model	2417,838	4	,000
Step 5	Step	29,990	1	,000
	Block	2447,828	5	,000
	Model	2447,828	5	,000

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	639,580[a]	,651	,876
2	478,750[b]	,677	,911
3	431,958[b]	,684	,920
4	409,610[b]	,688	,925
5	379,621[b]	,692	,931

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Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	639,580[a]	,651	,876
2	478,750[b]	,677	,911
3	431,958[b]	,684	,920
4	409,610[b]	,688	,925
5	379,621[b]	,692	,931

a. Estimation terminated at iteration number 10 because parameter estimates changed by less than ,001.

b. Estimation terminated at iteration number 20 because maximum iterations has been reached. Final solution cannot be found.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	,001	1	,981
2	,002	2	,999
3	,096	5	1,000
4	,000	7	1,000
5	11,914	6	,064

Contingency Table for Hosmer and Lemeshow Test

		Would you emigrate to another city in the country? = yes		Would you emigrate to another city in the country? = no		
		Observed	Expected	Observed	Expected	Total
Step 1	1	1204	1204,001	85	84,999	1289
	2	1	,999	255	255,001	256
	3	0	,001	533	532,999	533
Step 2	1	762	762,000	0	,000	762
	2	442	442,002	85	84,998	527
	3	1	,997	255	255,003	256

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	4	0	,002	533	532,998	533
Step 3	1	220	220,000	0	,000	220
	2	542	542,000	0	,000	542
	3	4	3,929	0	,071	4
	4	402	402,124	52	51,876	454
	5	37	36,925	288	288,075	325
	6	0	,019	203	202,981	203
	7	0	,004	330	329,996	330
Step 4	1	198	198,000	0	,000	198
	2	241	241,000	0	,000	241
	3	290	290,000	0	,000	290
	4	83	83,000	0	,000	83
	5	356	356,000	52	52,000	408
	6	37	37,000	53	53,000	90
	7	0	,000	254	254,000	254
	8	0	,000	184	184,000	184
	9	0	,000	330	330,000	330
Step 5	1	198	198,000	0	,000	198
	2	241	241,000	0	,000	241
	3	290	290,000	0	,000	290
	4	274	264,842	0	9,158	274
	5	165	174,158	52	42,842	217
	6	37	37,000	286	286,000	323
	7	0	,000	239	239,000	239
	8	0	,000	296	296,000	296

Classification Table[a]

			Predicted	
			Would you emigrate to another city in the country?	
	Observed		yes	no
Step 1	Would you emigrate to another city in the country?	yes	1204	1
		no	85	788

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	Overall Percentage			
Step 2	Would you emigrate to another city in the country?	yes	1204	1
		no	85	788
	Overall Percentage			
Step 3	Would you emigrate to another city in the country?	yes	1204	1
		no	85	788
	Overall Percentage			
Step 4	Would you emigrate to another city in the country?	yes	1204	1
		no	85	788
	Overall Percentage			
Step 5	Would you emigrate to another city in the country?	yes	1204	1
		no	85	788
	Overall Percentage			

Classification Table[a]

			Predicted
	Observed		Percentage Correct
Step 1	Would you emigrate to another city in the country?	yes	99,9
		no	90,3
	Overall Percentage		95,9
Step 2	Would you emigrate to another city in the country?	yes	99,9
		no	90,3
	Overall Percentage		95,9
Step 3	Would you emigrate to another city in the country?	yes	99,9
		no	90,3
	Overall Percentage		95,9
Step 4	Would you emigrate to another city in the country?	yes	99,9
		no	90,3
	Overall Percentage		95,9
Step 5	Would you emigrate to another city in the country?	yes	99,9
		no	90,3
	Overall Percentage		95,9

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a. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	3B4	8,193	1,008	66,116	1	,000	3616,218
	Constant	-2,651	,112	557,871	1	,000	,071
Step 2[b]	3B1	19,554	1456,041	,000	1	,989	3,107E8
	3B4	7,193	1,007	50,992	1	,000	1330,213
	Constant	-21,203	1456,041	,000	1	,988	,000
Step 3[c]	3B1	18,800	1406,403	,000	1	,989	1,462E8
	3B2	1,963	,281	48,885	1	,000	7,118
	3B4	5,673	1,004	31,917	1	,000	291,033
	Constant	-22,811	1406,403	,000	1	,987	,000
Step 4[d]	3B1	52,069	1383,204	,001	1	,970	4,106E22
	3B2	20,293	529,109	,001	1	,969	6,502E8
	3B4	18,543	529,106	,001	1	,972	1,130E8
	3B6	-18,456	529,109	,001	1	,972	,000
	Constant	-37,373	1036,043	,001	1	,971	,000
Step 5[e]	3B1	51,408	1312,967	,002	1	,969	2,119E22
	3B2	20,302	511,300	,002	1	,968	6,561E8
	3B4	18,897	511,296	,001	1	,971	1,610E8
	3B5	1,410	,274	26,525	1	,000	4,095
	3B6	-20,220	511,300	,002	1	,968	,000
	Constant	-38,487	969,329	,002	1	,968	,000

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Variables in the Equation

		95% C.I.for EXP(B)	
		Lower	Upper
Step 1[a]	3B4	501,833	26058,532
	Constant		
Step 2[b]	3B1	,000	.
	3B4	184,710	9579,689
	Constant		
Step 3[c]	3B1	,000	.
	3B2	4,106	12,339
	3B4	40,657	2083,270
	Constant		
Step 4[d]	3B1	,000	.
	3B2	,000	.
	3B4	,000	.
	3B6	,000	.
	Constant		
Step 5[e]	3B1	,000	.
	3B2	,000	.
	3B4	,000	.
	3B5	2,395	7,003
	3B6	,000	.
	Constant		

a. Variable(s) entered on step 1: 3B4.

b. Variable(s) entered on step 2: 3B1.

c. Variable(s) entered on step 3: 3B2.

d. Variable(s) entered on step 4: 3B6.

e. Variable(s) entered on step 5: 3B5.

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Model if Term Removed

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1	3B4	-1413,724	2187,868	1	,000
Step 2	3B1	-319,790	160,830	1	,000
	3B4	-840,624	1202,498	1	,000
Step 3	3B1	-259,211	86,464	1	,000
	3B2	-239,375	46,793	1	,000
	3B4	-581,170	730,382	1	,000
Step 4	3B1	-253,611	97,611	1	,000
	3B2	-232,667	55,723	1	,000
	3B4	-579,260	748,909	1	,000
	3B6	-215,979	22,347	1	,000
Step 5	3B1	-240,455	101,289	1	,000
	3B2	-216,907	54,194	1	,000
	3B4	-544,892	710,163	1	,000
	3B5	-204,805	29,990	1	,000
	3B6	-212,143	44,666	1	,000

Variables not in the Equation

			Score	df	Sig.
Step 1	Variables	3B1	131,578	1	,000
		3B2	110,529	1	,000
		3B3	39,580	1	,000
		3B5	101,867	1	,000
		3B6	78,221	1	,000
	Overall Statistics		189,094	5	,000
Step 2	Variables	3B2	57,645	1	,000
		3B3	,296	1	,586
		3B5	39,821	1	,000

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		3B6	14,879	1	,000
	Overall Statistics		87,377	4	,000
Step 3	Variables	3B3	,330	1	,565
		3B5	7,898	1	,005
		3B6	9,422	1	,002
	Overall Statistics		44,594	3	,000
Step 4	Variables	3B3	,000	1	,998
		3B5	30,655	1	,000
	Overall Statistics		30,655	2	,000
Step 5	Variables	3B3	,000	1	,998
	Overall Statistics		,000	1	,998

```
LOGISTIC REGRESSION VARIABLES Емигрира2
  /METHOD=FSTEP(LR) EM5
  /SAVE=PRED PGROUP
  /PRINT=GOODFIT ITER(1) CI(95)
  /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```


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Logistic Regression

Notes

Comments		
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2078
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES Емигрира2 /METHOD=FSTEP(LR) EM5 /SAVE=PRED PGROUP /PRINT=GOODFIT ITER(1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
Resources	Processor Time	00 00:00:00,031
	Elapsed Time	00 00:00:00,030
Variables Created or Modified	PRE_9	Predicted probability
	PGR_9	Predicted group

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Case Processing Summary

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	2078	100,0
	Missing Cases	0	,0
	Total	2078	100,0
Unselected Cases		0	,0
Total		2078	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
yes	0
no	1

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Block 0: Beginning Block

Iteration History[a,b,c]

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	2827,452	-,320
	2	2827,448	-,322
	3	2827,448	-,322

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 2827,448

c. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Classification Table[a,b]

Observed			Predicted: Would you emigrate to another city in the country? yes	Predicted: Would you emigrate to another city in the country? no
Step 0	Would you emigrate to another city in the country?	yes	1205	0
		no	873	0
	Overall Percentage			

Classification Table[a,b]

Observed			Predicted: Percentage Correct
Step 0	Would you emigrate to another city in the country?	yes	100,0
		no	,0
	Overall Percentage		58,0

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a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-,322	,044	52,587	1	,000	,724

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	EM5	102,387	1	,000
	Overall Statistics		102,387	1	,000

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Block 1: Method = Forward Stepwise (Likelihood Ratio)

Iteration History[a,b,c,d]

Iteration		-2 Log likelihood	Coefficients	
			Constant	EM5
Step 1	1	2725,191	-,545	,903
	2	2724,960	-,563	,947
	3	2724,960	-,563	,947

a. Method: Forward Stepwise (Likelihood Ratio)

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 2827,448

d. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	102,488	1	,000
	Block	102,488	1	,000
	Model	102,488	1	,000

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	2724,960[a]	,048	,065

a. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

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Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	,000	0	.

Contingency Table for Hosmer and Lemeshow Test

		Would you emigrate to another city in the country? = yes		Would you emigrate to another city in the country? = no		
		Observed	Expected	Observed	Expected	Total
Step 1	1	1015	1024,443	593	583,557	1608
	2	190	180,557	280	289,443	470

Classification Table[a]

			Predicted	
			Would you emigrate to another city in the country?	
	Observed		yes	no
Step 1	Would you emigrate to another city in the country?	yes	1015	190
		no	593	280
	Overall Percentage			

Classification Table[a]

			Predicted
	Observed		Percentage Correct
Step 1	Would you emigrate to another city in the country?	yes	84,2
		no	32,1
	Overall Percentage		62,3

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a. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	EM5	,947	,097	94,633	1	,000	2,579
	Constant	-,563	,051	119,715	1	,000	,570

Variables in the Equation

		95% C.I.for EXP(B)	
		Lower	Upper
Step 1[a]	EM5	2,131	3,121
	Constant		

a. Variable(s) entered on step 1: EM5.

Model if Term Removed

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1	EM5	-1413,724	102,488	1	,000

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