



WORLD VALUES SURVEY ASSOCIATION
GLOBAL CONFERENCE AND GENERAL ASSEMBLY
“VALUES AND SOCIETIES BETWEEN STABILITY & CHANGE”

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**“SECURITY IN COUNTRIES OF MIDDLE EAST AND
NORTH AFRICA IN COMPARATIVE PERSPECTIVE”**

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THEORETICAL ASSUMPTIONS

20th Century: Equality vs. Freedom

21st Century: Security vs. Freedom

SECULAR-RATIONAL

SCARCITY
SURVIVAL

SELF
EXPRESION

TRADITIONAL

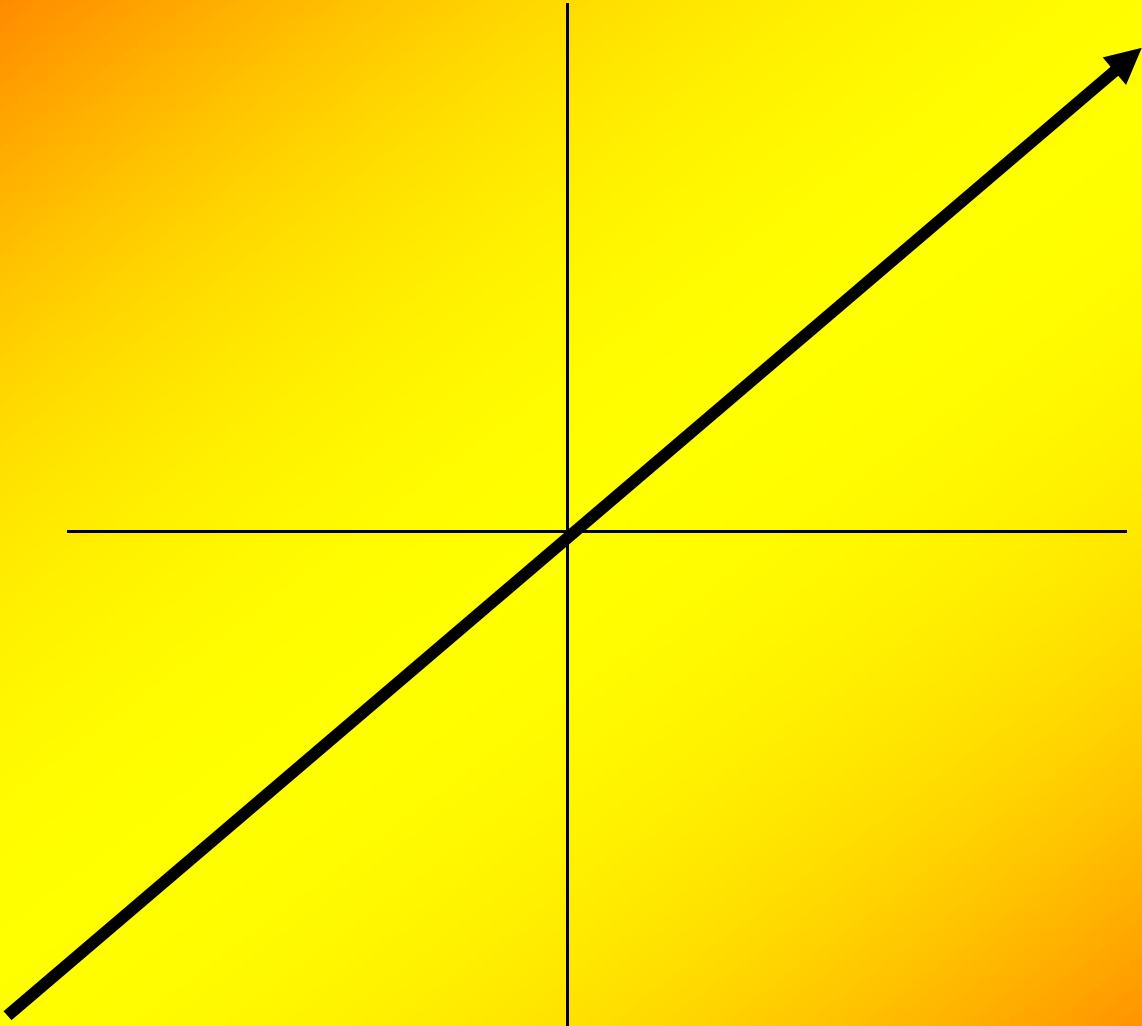
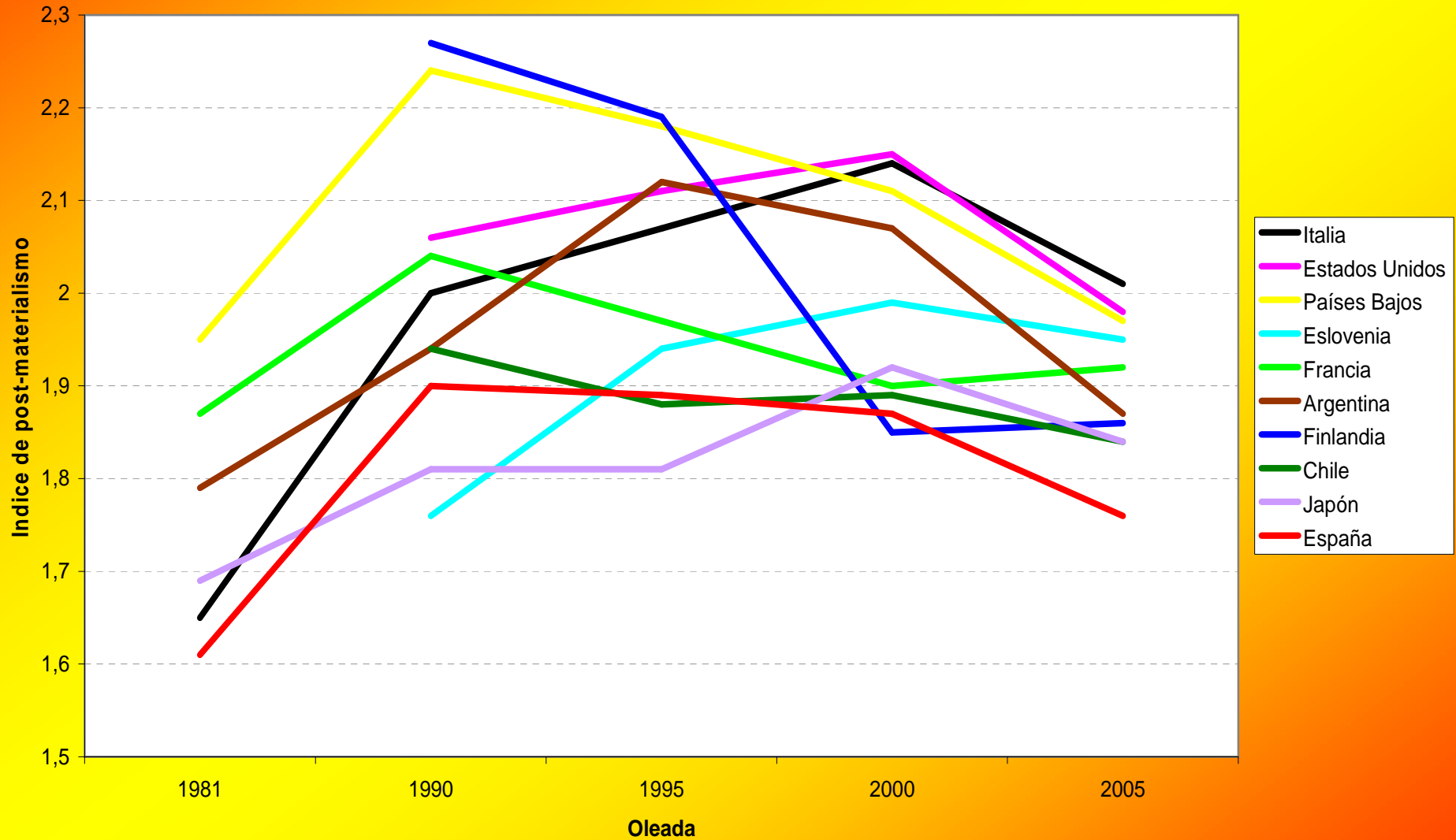


Figure 1
Post-materialism Index by country and wave



Distribution of countries that increased /reduced their post-materialist orientation between the WVS waves 2005-07 and 2010-14, by geo-cultural world regions



	Increased PM	Decreased PM	Equal PM	Total Countries
Anglo + EU	Germany Poland Romania Sweden	Australia Cyprus Netherlands New Zealand Slovenia United States	Spain	11
Latin America	Chile Colombia México	Argentina Perú Trinidad & Tobago Uruguay		7
East Europe	Russia Ukraine			2
Asia	Taiwan South Korea	China Malaysia Thailand India	Japan	7
MENA	Morocco	Iraq Jordan Turkey Egypt		5
Africa	South Africa	Ghana		2
TOTAL	13	19	2	34

THE MODEL

INTERNAL SECURITY	EXTERNAL SECURITY	
	OBJECTIVE	SUBJECTIVE
OBJECTIVE		
SUBJECTIVE		

CONSTRUCTING AN INDEX OF SUBJECTIVE SECURITY

Main Component Analysis of 8 Indicators of Security (WVS-2010, 55 countries)

55 COUNTRIES WVS 2010-2014	1	2	3
How frequently do the following things occur in your neighborhood: Robberies	.055	.811	.039
How frequently ...: Alcohol consumed in the streets	.014	.831	.093
How frequently ...: Drug sale in streets	.028	.831	.034
Worries: Losing my job or not finding a job	.244	.082	.879
Worries: Not being able to give one's children a good education	.362	.077	.809
Worries: A war involving my country	.883	.026	.275
Worries: A terrorist attack	.917	.031	.207
Worries: A civil war	.891	.058	.246

Distribution of countries with MUSLIM population majorities in two regions

MENA	No. of interviews	Muslim non-MENA	No. of interviews
Algeria	1200		
		Azerbaijan	1002
Palestine	1000		
Iraq	1200		
		Kazakhstan	1502
Jordan	1200		
		Kyrgyzstan	1500
Lebanon	1200		
Libya	2131		
		Malaysia	1300
Morocco	1200		
		Pakistan	1200
Qatar	1060		
Tunisia	1205		
		Turkey	1605
Egypt	1523		
		Uzbekistan	1500
Yemen	1000		
11 countries	TOTAL 13.919	7 countries	TOTAL 9.609

Main Component Analysis of 8 Indicators of Security (WVS-2010, 55 countries)

MENA	1	2	3
How frequently do the following things occur in your neighborhood: Robberies	-.009	.794	-.032
How frequently ...: Alcohol consumed in the streets	-.014	.885	.047
How frequently ...: Drug sale in streets	-.016	.851	.081
Worries: Losing my job or not finding a job	.231	.076	.882
Worries: Not being able to give one's children a good education	.420	.010	.750
Worries: A war involving my country	.877	-.014	.268
Worries: A terrorist attack	.907	-.023	.218
Worries: A civil war	.895	-.014	.230

Main Component Analysis of 8 Indicators of Security (WVS-2010, 55 countries)

MUSLIM NON-MENA	1	2	3
How frequently do the following things occur in your neighborhood: Robberies	.040	.830	.051
How frequently ...: Alcohol consumed in the streets	.039	.805	.030
How frequently ...: Drug sale in streets	.010	.746	.084
Worries: Losing my job or not finding a job	.189	.098	.887
Worries: Not being able to give one's children a good education	.395	.063	.750
Worries: A war involving my country	.871	-.018	.209
Worries: A terrorist attack	.909	.035	.200
Worries: A civil war	.865	.089	.231

TWO EXCEPTIONS

IRAQ	1	2	3
How frequently do the following things occur in your neighborhood: Robberies	.055	.889	-.034
How frequently do the following things occur in your neighborhood: Alcohol consumed in the streets	-.112	.741	.312
How frequently do the following things occur in your neighborhood: Drug sale in streets	.020	.168	.958
Worries: Losing my job or not finding a job	.708	.074	-.027
Worries: Not being able to give one's children a good education	.760	.035	-.098
Worries: A war involving my country	.842	-.084	.048
Worries: A terrorist attack	.788	-.068	.023
Worries: A civil war	.831	-.060	.057

<p style="text-align: center;">KYRGYZSTAN</p>	1	2	3
How frequently do the following things occur in your neighborhood: Robberies	-.065	.868	.009
How frequently do the following things occur in your neighborhood: Alcohol consumed in the streets	.178	.787	.079
How frequently do the following things occur in your neighborhood: Drug sale in streets	-.154	.672	-.025
Worries: Losing my job or not finding a job	.026	.091	.944
Worries: Not being able to give one's children a good education	.600	-.112	.568
Worries: A war involving my country	.899	-.007	.097
Worries: A terrorist attack	.902	-.051	.044
Worries: A civil war	.893	.012	.041

Personal Security Index (PSI): Worry about losing job, Worry about not being able to give children a good education

Neighbourhood Security Index (NSI): Drug sale in the streets, Robberies, Alcohol consumption in the streets

Exterior Security Index (ESI): Worry about international war, Worry about terrorist attack, Worry about civil war.

Total Security Index (TSI): Sum of Indexes of Personal (PSI), Neighbourhood (NSI) and Exterior (ESI) Security.

**ALL FOUR INDEXES STANDARDIZED TO
SCALES 1 TO 4**

Means and Standard Deviations in the four Standardized Indexes of Security for the Total sample and the geo-cultural regions (definition 1) (WVS-2010, 55 countries)

	CULTURAL REGIONS 1							
	X				S			
	Personal Security	Neighbourhood Security	Exterior Security	Total Security	Personal Security	Community Security	Exterior Security	Total Security
TOTAL SAMPLE 55	2.1	3.1	2.2	2.5	1.0	0.8	1.0	0.7
Anglo Saxon	2.8	3.2	2.8	3.0	1.0	0.7	0.8	0.6
European Union	2.6	3.4	2.8	3.0	1.0	0.6	1.0	0.6
East Europe & Balkans	2.1	3.2	2.0	2.5	1.0	0.7	0.9	0.6
MENA	2.0	3.2	1.8	2.4	1.0	0.8	1.0	0.6
Asia	1.9	3.3	2.1	2.5	0.9	0.7	1.0	0.6
Latin America	1.8	2.7	2.1	2.3	1.0	0.8	1.1	0.7
Africa Sub Sahara	1.7	2.8	1.9	2.2	0.9	0.8	1.0	0.6

Means and Standard Deviations in the four Standardized Indexes of Security for the Total sample and the geo-cultural regions (definition 2) (WVS-2010, 55 countries)

	CULTURAL REGIONS 2							
	X				S			
	Personal Security	Neighbourhood Security	Exterior Security	Total Security	Personal Security	Community Security	Exterior Security	Total Security
TOTAL SAMPLE 55	2.1	3.1	2.2	2.5	1.0	0.8	1.0	0.7
Anglo Saxon	2.8	3.2	2.8	3.0	1.0	0.6	1.0	0.6
European Union	2.6	3.4	2.8	3.0	1.0	0.6	1.0	0.6
East Europe & Balkans	2.1	3.0	2.0	2.4	1.0	0.7	0.9	0.5
MENA	2.0	3.1	1.8	2.4	1.0	0.9	1.0	0.6
Muslim non-MENA	1.9	3.4	1.9	2.5	0.9	0.7	0.9	0.6
Asia	2.0	3.3	2.2	2.6	0.9	0.8	1.0	0.6
Latin America	1.8	2.7	2.1	2.3	1.0	0.8	1.1	0.7
Africa Sub Sahara	1.7	2.8	1.9	2.2	0.9	0.8	1.0	0.6

Rank		STD Personal		STD Neighbourhood
1	Jordan	2,7	Uzbekistan	3,7
2	Uzbekistan	2,6	Azerbaijan	3,7
3	Lebanon	2,3	Yemen	3,6
4	Iraq	2,3	Turkey	3,5
5	Palestine	2,2	Palestine	3,4
6	Azerbaijan	2,1	Iraq	3,4
7	Morocco	2,0	Malaysia	3,4
8	Turkey	2,0	Jordan	3,3
9	Kazakhstan	2,0	Libya	3,2
10	Pakistan	1,9	Tunisia	3,2
11	Yemen	1,8	Kyrgyzstan	3,1
12	Algeria	1,8	Pakistan	3,0
13	Libya	1,8	Kazakhstan	3,0
14	Qatar	1,8	Morocco	3,0
15	Egypt	1,8	Lebanon	2,8
16	Kyrgyzstan	1,6	Algeria	2,7
17	Malaysia	1,4	Egypt	2,6
18	Tunisia	1,4	Qatar	

Rank		STD Exterior		STD Total
1	Uzbekistan	2,7	Uzbekistan	3,1
2	Jordan	2,4	Jordan	2,8
3	Morocco	2,3	Palestine	2,7
4	Palestine	2,3	Azerbaijan	2,6
5	Turkey	2,0	Iraq	2,6
6	Pakistan	2,0	Turkey	2,5
7	Lebanon	1,9	Morocco	2,5
8	Kazakhstan	1,9	Pakistan	2,4
9	Iraq	1,9	Lebanon	2,4
10	Azerbaijan	1,8	Kazakhstan	2,4
11	Algeria	1,7	Yemen	2,3
12	Kyrgyzstan	1,7	Kyrgyzstan	2,3
13	Egypt	1,7	Libya	2,2
14	Libya	1,5	Malaysia	2,1
15	Yemen	1,4	Algeria	2,1
16	Malaysia	1,3	Egypt	2,1
17	Tunisia	1,1	Tunisia	2,0
18	Qatar		Qatar	

EXPLAINING SUBJECTIVE SECURITY

Correlation Matrix of the General Feeling of Security and the four constructed Indexes of Security

	General Security	STD personal security	STD community security	STD exterior security	STD total security
General Security	1	.075**	.363**	.059**	.214**
STD personal security	.075**	1	.170**	.556**	.768**
STD community security	.363**	.170**	1	.104**	.552**
STD exterior security	.059**	.556**	.104**	1	.827**
STD total security	.214**	.768**	.552**	.827**	1

MENA	General Security	STD personal	STD community	STD exterior	STD total
General Security	1	.035 ^{**}	.447 ^{**}	.025 ^{**}	.245 ^{**}
STD personal	.035 ^{**}	1	.089 ^{**}	.574 ^{**}	.760 ^{**}
STD community	.447 ^{**}	.089 ^{**}	1	.014	.518 ^{**}
STD exterior	.025 ^{**}	.574 ^{**}	.014	1	.789 ^{**}
STD total	.245 ^{**}	.760 ^{**}	.518 ^{**}	.789 ^{**}	1

MUSLIM NON-MENA	General security	STD personal	STD community	STD exterior	STD total
General security	1	.119**	.339**	.098**	.222**
STD personal	.119**	1	.170**	.523**	.767**
STD community	.339**	.170**	1	.110**	.535**
STD exterior	.098**	.523**	.110**	1	.829**
STD total	.222**	.767**	.535**	.829**	1

TOTAL	Social Position	Post-materialist	STD personal	STD community	STD exterior	STD total
Social Position	1	.134**	.029**	.031**	.147**	.128**
Post-materialist	.134**	1	.036**	-.053**	.098**	.047**
STD personal	.029**	.036**	1	.170**	.556**	.768**
STD community	.031**	-.053**	.170**	1	.104**	.552**
STD exterior	.147**	.098**	.556**	.104**	1	.827**
STD total	.128**	.047**	.768**	.552**	.827**	1

MENA						
	Social Position	Post-materialist	STD personal	STD community	STD exterior	STD total
Social Position	1	.130**	.009	-.058**	.075**	.016
Post-materialist	.130**	1	.049**	-.065**	.098**	.040**
STD personal	.009	.049**	1	.086**	.575**	.761**
STD community	-.058**	-.065**	.086**	1	-.011	.514**
STD exterior	.075**	.098**	.575**	-.011	1	.787**
STD total	.016	.040**	.761**	.514**	.787**	1

MUSLIM NON-MENA	Social Position	Post- materialist	STD personal	STD community	STD exterior	STD total
Social Position	1	.079**	-.166**	-.166**	-.149**	-.238**
Post-materialist	.079**	1	-.057**	-.107**	-.036**	-.092**
STD personal	-.166**	-.057**	1	.170**	.523**	.767**
STD community	-.166**	-.107**	.170**	1	.110**	.535**
STD exterior	-.149**	-.036**	.523**	.110**	1	.829**
STD total	-.238**	-.092**	.767**	.535**	.829**	1

Regression model to explain Total Security

MENA $R^2_{adj.} = .02$	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	2.147	.058		37.066	.000
Social Position Index	-.003	.004	-.014	-.698	.485
Post-materialist	.074	.018	.077	4.009	.000
Will to fight for country	-.033	.010	-.061	-3.200	.001
Confidence in Armed Forces	-.012	.010	-.024	-1.192	.233
Confidence in Government	.057	.010	.121	5.955	.000
Army rule	.010	.006	.033	1.742	.082
Subjective Social Class	-.020	.011	-.039	-1.878	.060
Self positioning in political scale	.013	.005	.056	2.921	.004

Regression model to explain Total Security

MUSLIM NON-MENA R²adj. = .08	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	2.592	.072		36.056	.000
Social Position Index	-.035	.004	-.167	-8.830	.000
Post-materialist	.011	.018	.011	.616	.538
Will to fight for country	-.084	.014	-.108	-5.972	.000
Confidence in Armed Forces	.005	.013	.009	.390	.696
Confidence in Government	.107	.013	.177	8.089	.000
Army rule	-.054	.010	-.098	-5.448	.000
Subjective Social Class	.048	.011	.083	4.440	.000
Self positioning in political scale	-.006	.005	-.024	-1.326	.185

