



An study concerning the change of attitude of students in the High Schools Paolo Borsellino in Mazara del Vallo (Italy) and Ronda in Lleida (Spain) during the project: The Common Influences: Points of Encounter Between European Cultures.

Project Number:2014-1-ES01-KA201-003466_1



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1.- Impact in attitude Change

When we started our Erasmus project, we had curiosity to know what was the impact of this project on our students and their environment. In order to do so, we carried out a survey at the beginning (Pretest) and at the end (Posttest) of the project to see if the project had produced a change in the attitude of our students. First we present the survey that we conducted, then the results we obtained, and finally the conclusions we have reached.

2.- Survey:

The survey has two parts: a semantic differential in which we want to check whether there is a change in the way of seeing the colleagues of the country which took part in the exchange; and a second part in which we will try to consider whether the fact of living with people from another country changes attitudes and creates a positive perception towards an European citizenship and multiculturalism.

2.1.- Semantic Differential

What's your concept about Italian / Spanish?

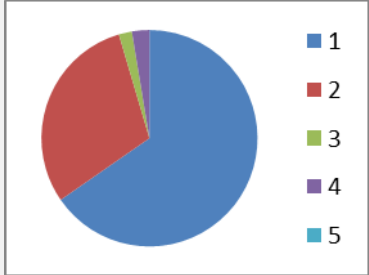
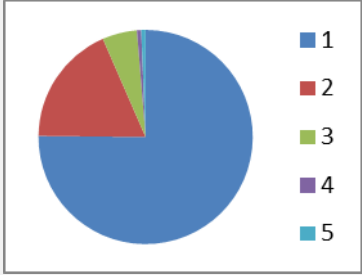
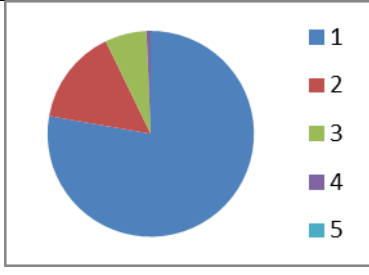
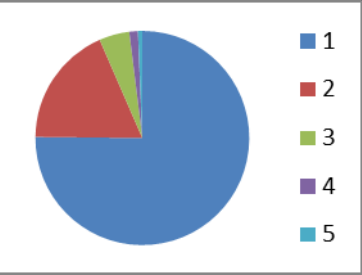
In each row there are two antagonistic or contrary adjectives, marked with a cross in the box that you think best represents the idea that you have of the Italian / Spanish.

		1	2	3	4	5	
1	good humored						moody
2	cheerful						sad
3	tall						short
4	artificial						natural
5	Friendly						rivals
6	burning						cold
7	arrogant						humble
8	kind						cruel
9	good friends						bad friends
10	honest						dishonest
11	educated						ignorant
12	funny						boring
13	polite						rude
14	elegant						soppy
15	dynamic						spiritless
16	loving						insensitive
17	noisy						discrete
18	generous						mean
19	phlegmatic						brash
20	strong						weak



3.- Results:

153 students between 12 and 14 years old have participated in this survey 116 of them are currently studying in I.C. Paolo Borsellino of Mazara del Vallo and 37 in Ins. Ronda Lleida. And we obtained the following results:

3.1.- Semantic Differential.			
What is your idea about Spanish /italian people? (Stereotypes)			
Pre test		Post test	
Item 1: good humored.....moody			
1	100	1	115
2	46	2	28
3	3	3	8
4	4	4	1
5	0	5	1
Pre test		Post test	
Item 2: cheerfulsad			
1	119	1	115
2	23	2	28
3	10	3	7
4	1	4	2
5	0	5	1
Pre test		Post test	



Item 3: tallshort					
1	12	1	91		
2	45	2	32		
3	81	3	22		
4	13	4	5		
5	2	5	3		
Pre test			Post test		
Item 4: naturalartificial					
1	24	1	99		
2	106	2	39		
3	12	3	9		
4	7	4	3		
5	4	5	3		
Pre test			Post test		
Item 5: Friendlyrival					
1	117	1	115		
2	27	2	28		
3	5	3	6		
4	2	4	3		
5	2	5	1		
Pre test			Post test		



Item 6: burningcold			
1	18	1	99
2	48	2	34
3	28	3	15
4	1	4	3
5	58	5	2
Pre test			
Item 7: humblearrogant			
1	40	1	102
2	89	2	32
3	16	3	16
4	3	4	1
5	5	5	2
Pre test			
Item 8: kind.....cruel			
1	52	1	113
2	34	2	32
3	66	3	8
4	1	4	0
5	0	5	0
Pre test			



Item 9: good friends.....bad friends					
1	43	1	112		
2	104	2	29		
3	4	3	9		
4	1	4	2		
5	1	5	1		
Pre test			Post test		
Item 10: honest.....dishonest					
1	98	1	111		
2	31	2	30		
3	22	3	11		
4	1	4	1		
5	1	5	0		
Pre test			Post test		
Item 11: educated.....ignorant					
1	82	1	106		
2	30	2	29		
3	35	3	14		
4	4	4	3		
5	2	5	1		
Pre test			Post test		



Item 12: funny.....boring			
1	63	1	105
2	74	2	34
3	12	3	11
4	1	4	1
5	3	5	2
Pre test		Post test	
Item: 13 polite.....rude			
1	73	1	108
2	35	2	33
3	41	3	8
4	1	4	2
5	3	5	2
Pre test		Post test	
Item 14: elegant.....soppy			
1	11	1	100
2	55	2	36
3	74	3	14
4	8	4	3
5	5	5	0
Pre test		Post test	



Item 15: dynamic.....spiritless			
1	15	1	98
2	52	2	35
3	79	3	11
4	7	4	7
5	0	5	2
Pre test			Post test
			
Item 16: loving.....insensitive			
1	23	1	107
2	111	2	34
3	13	3	10
4	2	4	1
5	4	5	1
Pre test			Post test
			
Item 17: discrete.....noisy			
1	25	1	100
2	19	2	27
3	95	3	12
4	10	4	7
5	4	5	7
Pre test			Post test
			

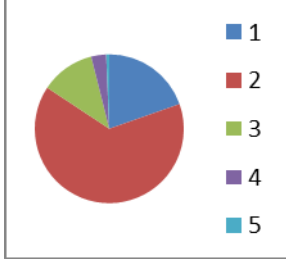
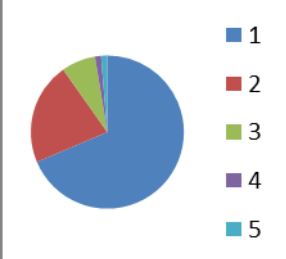
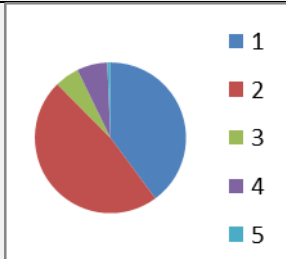
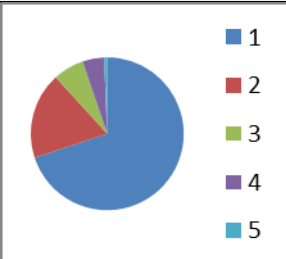
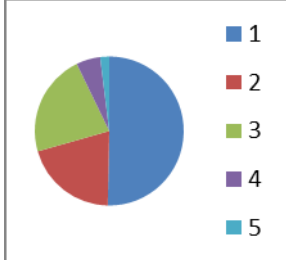


Item 18: generous.....mean			
1	107	1	111
2	30	2	25
3	12	3	15
4	1	4	2
5	3	5	0
Pre test			Post test
Item 19: phlegmatic.....brush			
1	15	1	96
2	24	2	29
3	107	3	23
4	2	4	1
5	5	5	4
Pre test			Post test
Item 20: strong.....weak			
1	16	1	91
2	104	2	36
3	24	3	18
4	8	4	4
5	1	5	4
Pre test			Post test



Item 21: gourmet.....finicky					
1	20	1	105		
2	28	2	35		
3	97	3	12		
4	7	4	1		
5	1	5	0		
Pre test			Post test		
Item 22: intelligent.....stupid					
1	20	1	98		
2	107	2	35		
3	23	3	15		
4	3	4	5		
5	0	5	0		
Pre test			Post test		
Item 23: righteous.....arbitrary					
1	15	1	99		
2	55	2	36		
3	83	3	14		
4	0	4	4		
5	0	5	0		
Pre test			Post test		



Item 24: clean.....dirty			
1	30	1	105
2	99	2	33
3	18	3	11
4	5	4	2
5	1	5	2
Pre test		Post test	
Item 25: modern.....old fashioned			
1	61	1	107
2	73	2	28
3	8	3	10
4	10	4	7
5	1	5	1
Pre test		Post test	
Item 26: obedient.....rebel			
1	77	1	102
2	31	2	29
3	34	3	18
4	8	4	2
5	3	5	2
Pre test		Post test	



Item 27: sort.....chaotic			
1	29	1	95
2	30	2	37
3	78	3	12
4	8	4	7
5	8	5	2
Pre test		Post test	
Item 28: peaceful.....violent			
1	109	1	106
2	28	2	36
3	11	3	10
4	4	4	1
5	1	5	0
Pre test		Post test	
Item 29: reflective.....fool			
1	19	1	97
2	30	2	35
3	97	3	18
4	5	4	3
5	2	5	0
Pre test		Post test	



Item 30: religious.....atheist					
1	50	1	99		
2	69	2	37		
3	23	3	15		
4	10	4	0		
5	1	5	2		
Pre test			Post test		
Item 31: responsible.....crazy					
1	72	1	94		
2	28	2	35		
3	18	3	12		
4	29	4	8		
5	6	5	4		
Pre test			Post test		
Item 32: serious.....informal					
1	13	1	96		
2	17	2	26		
3	79	3	21		
4	34	4	5		
5	10	5	5		
Pre test			Post test		



Item 33: sociable.....individualist					
1	98	1	112		
2	23	2	28		
3	27	3	9		
4	0	4	0		
5	5	5	4		
Pre test			Post test		
Item 34: docile.....stubborn					
1	16	1	99		
2	27	2	34		
3	105	3	17		
4	2	4	3		
5	3	5	0		
Pre test			Post test		
Item 35: hardworking.....lazy					
1	13	1	94		
2	107	2	33		
3	19	3	12		
4	8	4	8		
5	6	5	6		
Pre test			Post test		



Item 36: brave.....coward					
1	86	1	97		
2	39	2	34		
3	23	3	19		
4	2	4	1		
5	3	5	2		
Pre test			Post test		



3.2.-Termometer of tolerance

Positive perception of European citizenship and interculturality.

(strongly disagree) 1 2 3 4 5 (total agreement)

Item 37; The Italians and the Spanish are very similar.

1	6	1	7		
2	24	2	11		
3	95	3	9		
4	20	4	13		
5	8	5	113		
Pre test			Post test		

Item 38: The Catalans and the Sicilians are very similar

1	6	1	11		
2	23	2	9		
3	43	3	5		
4	74	4	13		
5	7	5	115		
Pre test			Post test		

Item 39: The differences between Europeans are minimal.

1	4	1	10		
2	20	2	8		
3	48	3	17		
4	74	4	5		
5	7	5	113		
Pre test			Post test		



Item 40: The Italian and Spanish languages are very similar			
1	28	1	4
2	30	2	10
3	22	3	7
4	68	4	15
5	5	5	117
Pre test			
Item 41: There are more differences between an Italian and a Spanish than between an English and an Italian			
1	15	1	103
2	20	2	6
3	69	3	8
4	31	4	9
5	18	5	27
Pre test			
Item 42: The Italians and Spaniards participate in the same cultural roots			
1	26	1	9
2	76	2	4
3	40	3	14
4	8	4	9
5	3	5	117
Pre test			



Item 43: A society without borders would be better			
1	17	1	9
2	21	2	5
3	79	3	11
4	31	4	6
5	5	5	122
Pre test			Post test
Item 44: People in my country are, in general, better than people in other countries			
1	12	1	96
2	21	2	3
3	94	3	8
4	13	4	11
5	13	5	35
Pre test			Post test
Item 45: Getting to know other cultures makes me human			
1	22	1	10
2	17	2	2
3	13	3	8
4	67	4	1
5	34	5	132
Pre test			Post test

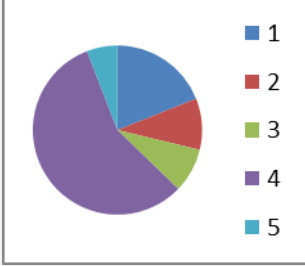
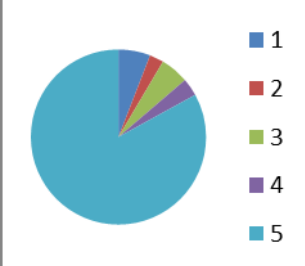


Item 46: Getting to know other cultures makes me more tolerant			
1	25	1	9
2	37	2	3
3	72	3	6
4	7	4	4
5	12	5	131
Pre test			Post test
Item 47: Getting to know other cultures makes me wiser.			
1	21	1	6
2	19	2	3
3	75	3	9
4	25	4	3
5	13	5	132
Pre test			Post test
Item 48: I like to learn new things			
1	35	1	8
2	4	2	5
3	64	3	4
4	11	4	2
5	39	5	134
Pre test			Post test



Item 49: I think that, in order to know a country well must one live with its people.			
1	22	1	10
2	33	2	5
3	74	3	4
4	8	4	5
5	16	5	129
Pre test			Post test
Item 50: I think there may be more differences between two persons from the same country than two persons from different countries.			
1	11	1	3
2	16	2	12
3	110	3	13
4	12	4	8
5	4	5	117
Pre test			Post test
Item 51: I like meeting new people.			
1	36	1	11
2	8	2	4
3	11	3	5
4	84	4	7
5	14	5	126
Pre test			Post test



Item 52: A society which facilitates communication between people favours peace.					
1	29	1	9		
2	15	2	4		
3	13	3	8		
4	87	4	5		
5	9	5	127		
Pre test			Post test		



4.- Conclusions:

Our students appreciated naked eye that there has been a change in attitude, however, we wanted to verify the significance of these changes.

With this purpose we did a statistical analysis by comparing means, discarding the test of X^2 (chi-square) having some of the groups with a frequency equal to or less than 5, so we closed to apply the T test of Student-Fisher. Which the following significances:

	Value T Student-Fisher	Signification ¹ v=115 α= 0.005	significant item
Item 1	1,574778931	1,653	NO
Item 2	1,277882798	1,653	NO
Item 3	6,081251767	1,653	YES
Item 4	4,583990796	1,653	YES
Item 5	1,079969243	1,653	NO
Item 6	17,51577503	1,653	YES
Item 7	4	1,653	YES
Item 8	12,39626736	1,653	YES
Item 9	4,358571868	1,653	YES
Item 10	2,222809917	1,653	YES
Item 11	2,93877551	1,653	YES
Item 12	2,844508799	1,653	YES
Item 13	4,390022676	1,653	YES
Item 14	11,4484894	1,653	YES
Item 15	7,214845863	1,653	YES
Item 16	6,79414136	1,653	YES
Item 17	6,5025	1,653	YES
Item 18	1,279494759	1,653	NO
Item 19	7,887732005	1,653	YES
Item 20	3,24	1,653	YES
Item 21	15,87122789	1,653	YES
Item 22	4,100625	1,653	YES
Item 23	8,455851801	1,653	YES
Item 24	4,981306448	1,653	YES
Item 25	2,838994183	1,653	YES
Item 26	2,920205095	1,653	YES
Item 37	7,230123457	1,653	YES
Item 28	1,25136455	1,653	NO
Item 29	9,53265625	1,653	YES
Item 30	3,946844444	1,653	YES
Item 31	3,124681155	1,653	YES
Item 32	9,472052031	1,653	YES
Item 33	2,447710718	1,653	YES
Item 34	10,96727947	1,653	YES
Item 35	3,378594104	1,653	YES
Item 36	1,53999129	1,653	NO
Item 37	2,887778205	1,653	YES

¹ Domènech i Massons, Josep M. *Tablas de estadística*. Ed Herder, Barcelona 1987.



direction of change of attitude reassuring us other items, such as item 50 (I think there may be more differences between two people of the same country between two people from different countries.)

- We congratulate ourselves the results of this survey and we believe that with it the impact of this kind of experience in the construction of European identity is demonstrated. This means that the Erasmus program brings the participants in a change in attitude positive towards a united Europe without borders and to accept and integrate the differences as something that enriches our common culture.



5.- Bibliography

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6.- Webgraphy

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