The Children's Worlds Seminar

-Session on Safety-

Mònica González-Carrasco & Ferran Casas (Spain)

University of Nantes
20th June 2019

http://www.udg.edu/irqv

http://www.udg.edu/eridiqv

Objective

To explore the perception and evaluation of safety and their connection with two measures of subjective well-being among Spanish 8-year-olds, focusing on gender differences.

Sample

Representative cluster sampling stratified by *province*, the *locational context* (rural, semi-rural and urban) and the *type of each school* (public/private)

91 primary schools involved and 2.263 participating children

Age in years

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	6 years old	1	,0	,0	,0
	7 years old	234	10,3	10,3	10,4
	8 years old	1902	84,0	84,0	94,4
	9 years old	120	5,3	5,3	99,7
	10 years old	6	,3	,3	100,0
	Total	2263	100,0	100,0	

Boy or Girl

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Boy	1152	50,9	50,9	50,9
	Girl	1111	49,1	49,1	100,0
	Total	2263	100,0	100,0	

Instruments: *Perception and evaluation of safety*

Perception of safety

How safe do you feel on your way to and from school?

Very safe	Quite safe	Not very safe	Not at all safe
☐	☐	☐	☐

Don't know
☐

Evaluation of safety

How satisfied are you with …

	😢	🙁	😐	🙂	😁
How safe you feel	☐	☐	☐	☐	☐

Instruments: *Subjective well-being (modified SLSS and OLS)*

Now please say how much you agree with each of the following sentences about your life as a whole.

	I do not agree	Agree a little bit	Agree somewhat	Agree a lot	Totally agree
SLSS: Context-free scale — I enjoy my life	☐	☐	☐	☐	☐
My life is going well	☐	☐	☐	☐	☐
I have a good life	☐	☐	☐	☐	☐
The things that happen in my life are excellent	☐	☐	☐	☐	☐
I like my life	☐	☐	☐	☐	☐
OLS: Single-item scale — I am happy with my life	☐	☐	☐	☐	☐

Results: *Safety in the way to school*

How safe do you feel on your way to and from school?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not at all safe	51	2,3	2,4	2,4
	Not very safe	86	3,8	4,1	6,5
	Quite safe	307	13,6	14,7	21,2
	Very safe	1648	72,8	78,8	100,0
	Total	2092	92,4	100,0	
Missing	Don't know	147	6,5		
	Missing	24	1,1		
	Total	171	7,6		
Total		2263	100,0		

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
How safe do you feel on your way to and from school?	2092	0	3	2,70	,663
Valid N (listwise)	2092				

Results by gender: *Safety in the way to school*

Group Statistics

	Boy or Girl	N	Mean	Std. Deviation	Std. Error Mean
How safe do you feel on your way to and from school?	Boy	1071	2,74	,631	,019
	Girl	1021	2,66	,693	,022

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
How safe do you feel on your way to and from school?	Equal variances assumed	20,543	,000	2,746	2090
	Equal variances not assumed			2,740	2048,947

Independent Samples Test

		t-test for Equality of Means			95% Confidence Interval of the Difference
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower
How safe do you feel on your way to and from school?	Equal variances assumed	,006	,079	,029	,023
	Equal variances not assumed	,006	,079	,029	,023

Results: *Satisfaction with safety*

Satisfaction with: How safe you feel

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	V unhappy	26	1,1	1,2	1,2
	Unhappy	38	1,7	1,7	2,9
	Middle	232	10,3	10,4	13,2
	Happy	565	25,0	25,3	38,5
	V happy	1373	60,7	61,5	100,0
	Total	2234	98,7	100,0	
Missing	Missing	29	1,3		
Total		2263	100,0		

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Satisfaction with: How safe you feel	2234	0	4	3,44	,834
Valid N (listwise)	2234				

Results by gender: *Satisfaction with safety*

Group Statistics

	Boy or Girl	N	Mean	Std. Deviation	Std. Error Mean
Satisfaction with: How safe you feel	Boy	1138	3,49	,793	,023
	Girl	1096	3,39	,873	,026

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Satisfaction with: How safe you feel	Equal variances assumed	13,287	,000	3,060	2232
	Equal variances not assumed			3,054	2193,039

Independent Samples Test

		t-test for Equality of Means			95% Confidence Interval of the Difference
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower
Satisfaction with: How safe you feel	Equal variances assumed	,002	,108	,035	,039
	Equal variances not assumed	,002	,108	,035	,039

Results: *Subjective well-being*
(modified SLSS and OLS)

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
I enjoy my life	2189	0	4	3,71	,678
My life is going well	2194	0	4	3,59	,805
I have a good life	2184	0	4	3,66	,757
The things that happen in my life are excellent	2153	0	4	3,14	1,087
I like my life	2211	0	4	3,71	,701
I am happy with my life	2209	0	4	3,73	,729
Valid N (listwise)	2005				

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
SLSS	2018	0	4	3,59	,606
Valid N (listwise)	2018				

No gender differences

Results: *Regression model of modified SLSS (boys)*

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,375[a]	,140	,139	,530

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	45,006	2	22,503	80,170	,000[b]
	Residual	275,362	981	,281		
	Total	320,369	983			

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2,408	,098		24,508	,000
	How safe do you feel on your way to and from school?	,154	,027	,171	5,646	,000
	Satisfaction with: How safe you feel	,223	,022	,301	9,945	,000

Results: *Regression model of OLS (boys)*

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,288[a]	,083	,081	,668

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	42,198	2	21,099	47,280	,000[b]
	Residual	468,124	1049	,446		
	Total	510,322	1051			

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2,533	,121		21,007	,000
	How safe do you feel on your way to and from school?	,167	,033	,152	5,032	,000
	Satisfaction with: How safe you feel	,197	,027	,216	7,180	,000

Results: *Regression model of modified SLSS (girls)*

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,405ᵃ	,164	,162	,556

ANOVAᵃ

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	54,608	2	27,304	88,379	,000ᵇ
	Residual	278,354	901	,309		
	Total	332,962	903			

Coefficientsᵃ

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2,341	,098		23,931	,000
	How safe do you feel on your way to and from school?	,142	,028	,161	5,154	,000
	Satisfaction with: How safe you feel	,253	,024	,337	10,760	,000

Results: *Regression model of OLS (girls)*

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,401ᵃ	,161	,159	,720

ANOVAᵃ

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	98,806	2	49,403	95,240	,000ᵇ
	Residual	516,649	996	,519		
	Total	615,455	998			

Coefficientsᵃ

Model		Unstandardized Coefficients B	Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	2,056	,119		17,346	,000
	How safe do you feel on your way to and from school?	,190	,034	,167	5,635	,000
	Satisfaction with: How safe you feel	,310	,028	,331	11,165	,000

Summary of results

- The highest percentages of boys and girls express *feeling very safe in the way to school*, being boys' mean higher compared to girls'.

- The same applies for *satisfaction with safety*, being again boys' mean higher than girls'.

- *Satisfaction with safety* shows a higher contribution to explain the modified version of the SLSS and the OLS compared to feeling safe in the way to school.

- Feeling safe in the way to school and satisfaction with safety contribute more to explain the *modified version of the SLSS* rather than *overall satisfaction*, especially among boys, and to girls' models compared to those of boys.

Discussion

- Even in countries where perceptions and evaluations regarding safety are high, actions should be developed in order to increase them, especially focusing on girls.

- Increasing perceptions and evaluations of safety are not only relevant *per se,* but very important when trying to promote subjective well-being from an early age (see, for example, González *et al.*, 2012[1] and González-Carrasco *et al.*, 2019[2]).

[1] González, M., Casas, F., Figuer, C., Malo, S., & Viñas, F. (2012). Satisfaction with present safety and future security as components of personal well-being among young people: relationships with other psychosocial constructs. In D. Webb, & E. Wills-Herrera (eds.). *Subjective Well-Being and Security, 46,* 253-290. Social Indicators Research Series. The Netherlands: Springer. ISBN 978-94-007-2277-4.

[2] González-Carrasco, M., Casas, F., Ben-Arieh, A., Savahl, S., & Tiliouine, H. (2019). Children's perspectives and evaluations of safety in diverse settings and their subjective well-being: A multi-national approach. *Applied Research in Quality of Life, 14*(2), 309-334. doi: 10.1007/s11482-018-9594-3.