

STATISTICAL ANALYSIS
"SELF-CONTROL IN PRISONERS/NORMALS"

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INSTRUMENTS

I.- SCI (SHAPIRO CONTROL INVENTORY):

PERCENTILS OF THE FOUR QUADRANT MODEL

SC-G

PC 25 -----	19
PC 50 -----	27
PC 75 -----	35

SC-A+ (Q1)

PC 25 -----	25
PC 50 -----	29
PC 75 -----	32

SC-Y+ (Q2)

PC 25 -----	19
PC 50 -----	23
PC 75 -----	27

SC-A- (Q3)

PC 25 -----	10
PC 50 -----	13
PC 75 -----	16

SC-Y- (Q4)

PC 25 -----	8
PC 50 -----	10
PC 75 -----	13

*S. C. → G. 1
#19, S. 2
wait.*

The Correlations between the four quadrants:

	Q1	Q2	Q3	Q4
Q1	1			
Q2	.179 **	1		
Q3	-.023	-.141 **	1	
Q4	-.382 **	-.161 **	.271 **	1

SAMPLE DESCRIPTION

<u>TOTAL SAMPLE:</u>	N = 406 (without invalid N = 387)
PRISONER SAMPLE:	N = 249 (without invalid N = 237)
NORMAL SAMPLE:	N = 157 (without invalid N = 150)

Even the effort to match the samples, there are significative relations between:

- SEX - GROUP
- AGE - GROUP
- BIRTHPLACE - GROUP
- INCOME - GROUP
- CULTURAL LEVEL - GROUP

We have to check how this variables influence in the Self-Control, Values and Personality Variables to neutralize them in the following statistical analysis.

1- THE INFLUENCE OF THE CONTROL VARIABLES:

From the below variables, the following influence in the Self-Control:

- AGE -----> SELF-CONTROL
- INCOME -----> SELF-CONTROL
- BIRTHPLACE -----> SELF-CONTROL

but no the following:

- SEX -----/-----/-----/-----/--> SELF-CONTROL
- CULTURAL LEVEL -----/-----/-----/-----> SELF-CONTROL

- AGE - SELF-CONTROL:

	SC.G	Q1	Q3	Q2	Q4	
		8	7	8	5	
		9	87	8	7	37
G1 (- 20)	22.32	26.11	13.10	22.10	11.68	
G2 (20 - 30)	26.03	27.72	13.11	22.36	11.05	
G3 (30 - 50)	30.87	30.00	13.15	23.92	10.01	
G4 (50 -)	29.66	30.25	11.33	21.75	10.25	
F RATIO	6.28	7.20	.20	2.15	3.13	
SIGNIFIC.	< .01	< .01	----	----	< .05	

- INCOME - SELF-CONTROL:

?

	SC.G	Q1	Q3	Q2	Q4
G1 (NINGUNO)	23.34	27.20	13.65	21.55	11.39
G2 (- 30.000)	26.57	28.39	13.81	22.77	11.17
G3 (30.000 - 60.000)	27.43	27.15	12.73	23.93	11.23
G4 (60.000 - 100.000)	27.26	28.52	12.94	22.05	10.57
G5 (100.000- 150.000)	31.35	29.43	12.46	24.09	10.07
G6 (150.000 -)	31.62	30.82	13.09	23.80	9.63
F RATIO	6.12	4.48	1.08	2.91	2.70
SIGNIFIC.	< .01	< .01	----	< .05	< .05

- BIRTHPLACE - SELF-CONTROL:

	SC.G	Q1	Q3	Q2	Q4
G1 ESPANOLAS	27.16	28.15	13.04	22.81	10.80
G2 EXTRANJEROS	27.96	30.21	14.14	22.25	10.48
F RATIO	.11	4.18	1.93	.25	.22
SIGNIFIC.	----	< .05	----	----	----

DIFERENCES BETWEEN PRISONERS AND NORMALS IN SELF-CONTROL

	PRISONERS	NORMALS	F	DF	SIGNIF.	
SC.G	28.23	26.39	.238	1	----	
Q1	28.83	27.91	.586	1	----	9
Q3	13.20	12.84	.935	1	----	8
Q2	23.19	22.25	.781	1	----	9
Q4	10.60	10.93	.011	1	----	7

*Plus points
calculator
hand*

Q-?

$$28.83 = 3.20 \times \frac{4}{5} = 2.56$$

Q₂ 2.31

1.17

1.21

3.13

$$\frac{4}{5} = \frac{x}{3.13}$$

- LIFESTYLE VALUES AND SELF-CONTROL:

VALUES ---->	PC 25	PC 25-75	PC 75	F	DF	SIGN.
SC.G	26.14	28.21	27.64	.885	2	----
Q1	26.84	28.65	29.51	6.32	2	< .05
Q3	12.22	13.32	13.72	2.75	2	---
Q2	22.47	23.43	22.68	.708	2	----
Q4	10.96	10.55	10.83	.318	2	----

- POWER VALUES AND SELF-CONTROL:

VALUES ---->	PC 25	PC 25-75	PC 75	F	DF	SIGN.
SC.G	23.38	29.19	30.19	7.38	2	< .01
Q1	27.36	28.96	28.94	1.78	2	----
Q3	13.09	13.09	13.28	.063	2	----
Q2	20.29	24.02	24.62	14.42	2	< .01
Q4	11.17	10.70	10.09	1.48	2	----

PERSONALITY AND SELF-CONTROL

NEUROTICISM	↓ PC 25	PC 25-75	↑ PC 75	F	DF	SIGN.
SC.6	32.50	30.37	25.21	10.25	2	< .01
Q1	28.80	28.97	28.03	.95	2	----
Q3	11.40	12.52	13.73	4.52	2	< .05
Q2	24.60	24.07	22.14	6.36	2	< .01
Q4	9.50	10.14	11.23	5.20	2	< .01

EXTRAVERSION	PC 25	PC 25-75	PC 75	F	DF	SIGN.
SC.6	25.31	29.15	26.85	3.36	2	< .05
Q1	26.91	29.10	29.70	5.89	2	< .01
Q3	13.38	12.96	13.36	.654	2	----
Q2	22.91	23.43	21.42	2.85	2	----
Q4	11.14	10.42	10.91	1.33	2	----

Prisoners & normals

SELF-CONTROL AND SOCIOLOGICAL/CRIMINOLOGICAL VARIABLES

FAMILY PROBLEMS AND SELF-CONTROL

PROBL.FAM.	0 PROBL.	1 PROBL.	2	0 More F	DF	SIGN.
SC.G	28.97	27.36	23.78	3.89	2	< .05
Q1	28.46	28.75	28.10	.168	2	----
Q3	12.62	13.58	14.24	3.54	2	< .05
Q2	23.73	22.76	21.28	3.52	2	< .05
Q4	10.59	10.58	11.36	.954	2	----

DRUGS AND SELF-CONTROL:

	DRUGS	NO DRUGS	F	DF	SIGN.
SC.G	24.00	29.29	10.52	1	< .01
Q1	27.52	28.88	2.68	1	----
Q3	13.56	12.99	1.07	1	----
Q2	21.18	23.89	12.20	1	< .01
Q4	11.13	10.49	1.35	1	----

STATISTICAL ANALYSIS WITH PRISON SAMPLE

TOTAL TIME IN PRISON AND SELF-CONTROL

TIME -->	< 1 y	1-5 y	5-10 y	> 10 y	F	DF	SIGN.
SC.G	27.98	28.73	25.98	30.86	.952	3	----
Q1	27.64	28.74	29.02	31.68	1.00	3	----
Q3	13.25	12.62	13.93	14.23	2.05	3	----
Q2	24.54	23.07	21.86	22.95	2.67	3	< .05
Q4	10.95	10.46	10.98	9.55	.635	3	----

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DRUGS AND SELF-CONTROL

	DRUGS	NO DRUGS	F	DF	SIGN.
SC.G	24.76	30.97	9.542	1	< .01
Q1	27.81	29.63	2.308	1	----
Q3	13.20	13.20	.053	1	----
Q4	11.10	10.20	2.232	1	----

INCONFORMISM AND SELF-CONTROL

	NO INCONF.	YES INCONF	F	DF	SIGN.
SC.G	28.59	25.54	1.781	1	----
Q1	28.86	28.65	.067	1	----
Q3	12.92	15.27	7.735	1	< .01
Q2	23.27	22.62	.326	1	----
Q4	10.61	10.46	.033	1	----

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COLLABORATION AND SELF-CONTROL

	NO COLAB.	YES COLAB.	F	DF	SIGN.
SC.G	25.23	29.27	5.334	1	< .05
Q1	27.79	29.20	3.429	1	----
Q3	13.03	13.25	.111	1	----
Q2	21.69	23.73	5.480	1	< .05
Q4	11.12	10.41	2.056	1	----

PRISONER PROFILE AND SELF-CONTROL

(↑N ↓E) (↑75PC^N - ↑75PC^E)

	PRISONER PROFILE	NO PRISONER PROFILE	F	DF	SIGN.
SC.G	26.10	31.56	11.686	1	< .01
Q1	28.15	29.90	5.638	1	< .05
Q3	13.51	12.71	1.912	1	----
Q2	22.64	24.05	2.915	1	----
Q4	11.19	9.67	10.977	1	< .01

PERSONAL VALUES AND SELF-CONTROL

PERS.VAL.	PC 25	PC 25-75	PC 75	F	DF	SIGN.
SC.G	22.58	29.32	32.28	9.528	2	< .01
Q1	26.53	29.66	29.43	6.277	2	< .01
Q3	13.81	13.33	12.11	2.232	2	----
Q2	21.56	23.47	24.66	3.550	2	< .05
Q4	11.69	10.48	9.70	4.515	2	< .05

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LIFESTYLE VALUES AND SELF-CONTROL

LIF. VAL.	PC 25	PC 25-75	PC 75	F	DF	SIGN.
SC.G	26.20	29.15	28.65	.719	2	----
Q1	26.88	29.44	29.93	5.385	2	< .01
Q3	12.55	13.36	13.61	1.280	2	----
Q2	22.98	23.28	23.11	.002	2	----
Q4	11.11	10.21	10.78	1.096	2	----

POWER VALUES AND SELF-CONTROL

POWER.V.	PC 25	PC 25-75	PC 75	F	DF	SIGN.
SC.G	22.96	30.29	29.81	6.396	2	< .01
Q1	27.65	29.67	28.58	1.893	2	----
Q3	13.77	13.15	12.76	.769	2	----
Q2	20.11	24.32	24.23	10.478	2	< .01
Q4	11.02	10.55	10.24	.506	2	----