

SPSS Syntax for SOC 319 Data Analysis
Justin A. Martin, Ph.D., Spring 2017

Descriptive statistics: displays number of cases, minimum, maximum, mean, and standard deviation.

Syntax: desc varname.

Frequencies: displays frequency, percents and cumulative percents.

Syntax: freq varname.

Missing values: codes values of a variable as missing.

Syntax: missing values varname (missing_value_1, missing_value_2, missing_value_3).

or

Syntax: missing values varname (missing_value_1 thru missing_value_2).

Reset missing values, Syntax: missing values varname ().

Compute new variable

Syntax: compute varname_new eq 0.

if varname_1 eq 1 varname_new eq 1.

if varname_2 eq 1 varname_new eq 2.

Reverse code

Syntax: recode varname_1 (1=5) (2=4) (3=3) (4=2) (5=1) into varname_2.

Crosstabs: categorical independent variable by dependent variable

Syntax:

CROSSTABS

/TABLES=varname_1_IV BY varname_2_DV

/FORMAT=AVALUE TABLES

/STATISTICS=CHISQ PHI

/CELLS=COUNT EXPECTED ROW

/COUNT ROUND CELL.

T-test: compare means for a categorical group

T-TEST GROUPS=varname_1_IV (0 1)

/MISSING=LISTWISE

/VARIABLES=varname_2_DV

/CRITERIA=CI(.95).

ANOVA: compare means for multiple groups
ONEWAY varname_1_DV BY varname_2_IV
/STATISTICS BROWNFORSYTHE
/MISSING LISTWISE
/POSTHOC=TUKEY ALPHA(0.05).

Correlation: Continuous independent variable and continuous dependent variable

Syntax:

CORRELATIONS
/VARIABLES=varname_1_IV varname_2_DV
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.