



PSYCHEDIFIED.

PSYCHOLOGY & MENTAL HEALTH

USEFUL SPSS DATA ANALYSIS METHODS & STATISTICAL TESTS

<p><u>DESCRIPTIVES</u></p> <p>ANALYZE>DESCRIPTIVE STATISTICS>DESCRIPTIVES (EG// MEAN, SUM, STANDARD DEVIATION, MINIMUM, MAXIMUM, VARIANCE, RANGE)</p>	<p><u>FREQUENCIES</u></p> <p>ANALYZE>DESCRIPTIVE STATISTICS>FREQUENCIES (THIS ENABLES YOU TO SEE HOW OFTEN OR FREQUENTLY THINGS OCCUR)</p>
<p><u>COMPARE MEANS</u></p> <p>ANALYZE>COMPARE MEANS>MEANS</p>	<p><u>BIVARIATE CORRELATION</u></p> <p>ANALYZE>CORRELATE>BIVARIATE</p>
<p><u>INDEPENDENT SAMPLES T-TEST</u></p> <p>ANALYZE> COMPARE MEANS> INDEPENDENT SAMPLES T-TEST</p>	<p><u>PAIRED SAMPLES T-TEST</u></p> <p>ANALYZE> COMPARE MEANS> PAIRED SAMPLES T-TEST</p>
<p><u>BETWEEN-SUBJECTS ANOVA</u></p> <p>ANALYZE>GENERAL LINEAR MODEL> UNIVARIATE</p>	<p><u>WITHIN-SUBJECTS ANOVA</u></p> <p>ANALYZE>GENERAL LINEAR MODEL> REPEATED MEASURES</p>
<p><u>GRAPHS</u></p> <p>GRAPHS> LEGACY DIALOGS (ENABLES YOU TO OBTAIN BOX & WHISKER PLOTS, HISTOGRAMS & SCATTERPLOTS)</p>	<p><u>LINEAR REGRESSION</u></p> <p>ANALYZE>REGRESSION>LINEAR</p>



BASIC INTRO TO SPSS FOR UNDERSTANDING

THERE IS THE **DATA VIEW & VARIABLE VIEW (TWO MODES)** – THERE WILL BE A LOT OF SWITCHING BACK & FORTH BETWEEN THESE TWO VIEWING MODES – YOU MUST BECOME FAMILIAR WITH THESE:

- **DATA VIEW** = ESSENTIALLY A SPREADSHEET CONTAINING ALL OF THE NUMBERS
- **EACH ROW**= ONE PARTICIPANT/CASE
- **EACH COLUMN**= DIFFERENT VARIABLE/TYPE OF MEASUREMENT FROM EACH OF THE PARTICIPANTS
- THE VARIABLE NAME CAN BE **ALTERED** WITHIN '**VARIABLE VIEW**'
- **ALL OF THE PROPERTIES OF THAT VARIABLE ARE IN COLUMNS**
- **(TYPE, WIDTH, DECIMALS, LABEL, VALUES, MISSING ETC...)**
- IT IS GOOD IDEA TO **CHANGE THE VARIABLE NAME** TO SOMETHING WHICH IS MORE **INFORMATIVE & DESCRIPTIVE** TO HELP DIFFERENTIATE BETWEEN THEM
- '**LABEL**'- ENABLES A FURTHER DIFFERENTIATION BETWEEN THE VARIABLES
- '**TYPE**' – WHICH **TYPE OF DATA** YOU ARE DEALING WITH, FOR EXAMPLE, (**DATE, DOLLAR, NUMERIC, STRING VARIABLES ETC**)...
- '**MEASURE**' – IS THE TYPE OF DATA - **SCALE, ORDINAL, NOMINAL?**
- '**WIDTH**' – THIS CAN BE ALTERED & JUST DETERMINES **HOW WIDE THE COLUMN CAN BE**, THIS CAN BE ADJUSTED
- '**DECIMALS**' – THE **NUMBER OF DECIMALS** THAT WILL BE DISPLAYED
- '**COLUMNS**' – **HOW NARROW THE COLUMN** WILL BE, CAN ALSO BE ADJUSTED
- '**ALIGN**' – EITHER **RIGHT, LEFT OR CENTRE JUSTIFIES** THE NUMBERS DISPLAYED IN THE DATA VIEW IN EACH CELL