

I. Regression

- A. Know the steps and how to use them to construct a scatterplot using a data set and a codebook.
- B. Know the regression equation and how to find "y" if "x" is given.
- C. Know how to interpret a regression printout. This includes identifying variables, interpreting "r" and "r²", determining the significance of the overall model and the slope coefficient, writing the equation, and finding "y" if "x" is given.

II. The Normal Curve

- A. Uses.
- B. Properties.
- C. What determines shape.
- D. What areas are bounded by 1, 2, and 3 standard deviations.
- E. Be able to do calculations.

III. Sampling Distribution and Probability

- A. Define a sampling distribution.
- B. Define probability.
- C. Know the steps in getting a probability (or random) sample.

IV. Confidence Intervals

- A. Know the steps and how to use them to calculate a confidence interval.
- B. Be able to interpret an SPSS printout.

V. Hypothesis Testing

- A. Be able to define a hypothesis.
- B. Know the steps and how to use them to test a hypothesis. This includes directional and non-directional.
- C. Be able to interpret an SPSS printout.