On the exam, you will need to define some terms; you will have to perform some calculations by hand, and some on .spss. I reserve the right to ask any question about anything we’ve covered in the second part of the semester, but to help you get started, you should be able to:

- Pick out the independent and dependent variables
- Create a research and a null hypothesis
- Transform data
- Recode data
- Decide whether to use a mean, median, or mode
- Compute measures of central tendency by hand and on the computer and interpret what they mean.
- Compute standard deviation, variance and range by hand and on the computer and know what they mean.
- Know the difference between type I and II errors and know which one we are more concerned about.
- Know the rules of algebraic order
- Know what a frequency distribution is and how to conduct one on spss
- Compute percent change by hand and interpret the answer
- Compute percentages and proportions by hand and interpret the answer
- Know when to use a chi square, how to compute it on the computer and how to interpret the results
- Know how to compute a crosstab on .spss and interpret the results
- Know what measure of association to perform and how to interpret the results
- Compute a basic regression on spss and interpret the results
- Know what a PRE measure is
- Interpret the $R^2$
- Know the difference between univariate, bivariate and multivariate relationships
- Run a bar chart on .spss