SOCL 300: USING STATISTICS IN SOCIOLOGY   **Dr. Musalia**
REVIEW SHEET FOR TEST #1

The exam will consist of multiple choice questions in addition to calculations and interpretations of important statistics covered both in your textbook and lectures. Remember the multiple choice questions will still require calculation. The exam questions are straightforward but require a degree of serious preparation. The secret to attaining a good grade in this class is through constant practice. While I expect you to have done a thorough review of the materials covered in the text and lectures already, I will, however, emphasize familiarity with the following concepts and computations.

- role of theory in research, what a variable is, independent and dependent variables, the various levels of measurements, frequency distributions, cumulative distribution, grouped data.
- computations of mean, mode, median, variance, standard deviation and how to interpret them.
- skewed distributions
- contingency tables, association between two variables. Null and research hypothesis.
- computation of expected frequencies and Chi-square statistic.
- meaning of degrees of freedom, p-value and their importance in making inferences using the Chi-square statistic.
- when do you have a strong positive and strong negative relation in a contingency table?

Remember this is supposed to guide you in preparing for the exam and is by no means an exhaustive list.