SOCL 300: USING STATISTICS IN SOCIOLOGY
REVIEW SHEET FOR TEST #2

Be familiar with the following:

- Be familiar with the properties of a normal distribution.
- Calculation of Z-scores; how to use a normal table.
- Calculation of Area under the normal curve.
- Calculation of percentiles using normal distribution.
- Various sampling methods.
- Sampling distribution of the mean; sampling error of the mean
- Meaning and importance of the Central Limit Theorem.
- What is t-test used for?
- Null and Research hypothesis when performing t-test; when do you state a directional hypothesis and when you do you specify a non-direction hypothesis.
- Difference between a one and two- tailed t-test.
- Calculation and interpretation of a t-test. What is a p-value? Alpha level? What is the relationship between the two? Use of t-distribution table.