

PMgt 630, Statistical Analysis

HW # 5

Fall 2008

Note: Please turn in electronically (reese@stat.byu.edu) by 7:30pm on 15 October.

Complete The Following Problems:

Confidence Intervals

For the following variables in the Community Indicators Dataset do the following:

- Describe in words μ , σ , s , and \bar{X} , in terms of the variable of interest (don't give the general description!)
- Compute the 90%, 95%, and 99% Confidence Interval (using SPSS) for each variable and comment on which interval is wider.
- Write a short sentence describing what the interval means (give an interpretation of the interval) in terms of the variable of interest.

1. Total Violent Crimes
2. Motor Vehicle Theft
3. Burglaries
4. Median Household Income (\$)