

SOC 3811/5811:
BASIC SOCIAL STATISTICS

Numeric Representations of Distributions

Questions?

(About the recorded lecture, assignments, etc...)

Send me a note via chat in Zoom ... I'll answer them now!

1. Pick any 5 numbers

2. Compute:

Mean $\bar{Y} = \frac{Y_1 + Y_2 + Y_3 + \dots + Y_N}{N} = \sum_{i=1}^N \frac{Y_i}{N}$

Median

Mode

Range

Variance $s_Y^2 = \frac{(Y_1 - \bar{Y})^2 + (Y_2 - \bar{Y})^2 + \dots + (Y_N - \bar{Y})^2}{N - 1} = \frac{\sum_{i=1}^N (Y_i - \bar{Y})^2}{N - 1}$

Standard Deviation $s_Y = \sqrt{s_Y^2} = \sqrt{\frac{\sum_{i=1}^N (Y_i - \bar{Y})^2}{N - 1}}$