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| date: | Dec 23, 2024, 5:15 PM |
| subject: | RE: [Non-DoD Source] eda\_4350 as of 22-Dec |

Further topics based on Karen’s slides 1b on “shape, centrality, and spread”.

Shape

·         Bar charts to histograms

·         Kernel density estimators: spreads influence of each data point

·         Freedman-Diaconis binwidth h = 2 \* IQR / (n^(1/3))

·         Heatmap as 2-D histogram

·         Order stats and quantiles [Q-Q plots]

·         Box plots

·         Moments, centralized, standardized

·         Skewness, kurtosis

Centrality

·         Mean, median, mode

Spread

·         Range, IQR, std. deviation

·         Covariance, correlation

Uncertainty

·         Shannon entropy

·         Kullback-Leibler divergence