Mod 6 preparation guide

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1. To preform a univariate eda there must be shape of the distribution, presence of outliers, center of the distribution and dispersion or spread of the distribution.
2. Three common shapes are left skewed, symmetric and right skewed.
3. Left and right skewed are more spread out and flatter. Symmetric is right in the middle of the histogram.
4. The majority of the bars will be in the middle for symmetric. The bars will be higher on the right for left skewed. The bars will be higher on the left for right skewed.
5. An outlier is an individual whose value is widely separated from the main cluster of values.
6. An outlier can be seen on a histogram by looking for a bar that looks out of place.
7. The median and IQR will always be used together to measure center and dispersion. The median is concerned with the position and the mean is concerned with values.
8. The mean balances the distance to individuals above and below the mean. The median balances the number of individuals above and below the median.