Measures of Central tendency

Mean = average

Median = midpoint

Mode = most frequently occurring

Measures of Spread

Range

Variance

* Standard Deviation = σ
* = bar)^2 )/(n-1)

Quartiles

* Interquartile Range IQR
* IQR = Q3 – Q1

Outliers = extreme points of data; they can be much larger than the rest of the data or much smaller. Two main techniques for determining outliers, and each technique uses a measure of central tendency and a measure of spread. We can use either the mean and standard deviation together, or the median and interquartile range (IQR) together. mean and standard deviation---the guideline is that any value that is more than 3 standard deviations higher or lower than the mean is considered an outlier. If we decide to use the second method---median and IQR---two guidelines need to be followed:

Any value greater than the upper quartile plus 1.5 x IQR is considered an outlier.

Any value less than the lower quartile minus 1.5 x IQR is considered an outlier.

Box & Whisker Plot

The box shows the interquartile range with a line for the median and an "X" to indicate the mean. The whiskers show the extreme values within 1.5 times the interquartile range. Outliers are represented by labeled dots.

Markup language

Headers are signified with a #. The number of hashtags indicates the level of the header. For example, ### is a third-level header.

Bullets are added in three ways: a typical bullet with an asterisk, a numbered bullet with numbers, or a hyphenated bullet with a hyphen.

Images can be added with the following syntax: ![image\_name](path/to/image\_name.png).

Hyperlinks to relevant files are added in a similar manner: [filename](path/to/filename.xlxs).

Line breaks are added by using three consecutive hyphens: ---.

Now we're ready to flesh out our analysis!

Begin by updating the header to a more appropriate title like "An Analysis of Kickstarter Campaigns." Below the header, add a brief description of the project.

In addition to your findings, you should also include charts and graphs (visualizations) in your report. Visualizations help communicate the story the data is telling by making it more understandable and coherent. At the end of the report, add any recommendations you have for Louise based on your findings. Then add a descriptive commit message and click "Commit changes." This descriptive README file adds depth to the repository as well as your analysis. It's ready to be shared!

Return to the main page of your GitHub repository, highlight the address, and copy it. This link, which should read https://github.com/yourusername/kickstarter-analysis, (Links to an external site.) can now be emailed to our hopeful playwright, Louise, so she can begin her Kickstarter preparations