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Challenge: Module 1

Due Date: 10/21/24

Purpose: Create a report in Microsoft word, and answer the following questions.

1. Given the provided data, what are three conclusions that we can draw about crowdfunding campaigns?
2. 57% of the campaigns were successfully funded for all countries.
3. 34% or slightly more than 1/3 of the campaigns are related the “Theater” and of that 34%, 54% were successful.
4. 36% of all campaigns did fail within all countries.
5. What are some limitations of this dataset?

Some of the limitations included a lack of data related to demographics of the backers. There is also a lack of regional data to include states, cities or provinces for countries.

1. What are some other possible tables and/or graphs that we could create, and what additional value would they provide?

Graph(s) of the state and cites would allow for better view of countries as this would allow for a better understanding of which regions provide the most. This would allow for a greater focus on those areas as well gain a better understanding for which cities require additional efforts for gaining more backers.

Statistical Analysis Questions:

1. Use your data to determine whether the mean or the medium better summarizes the data.
2. Successful Backers- the median would be a better choice to summarizes the data due to the large spread of the data which spans from 16 to 7,295. Lastly, do to a smaller portion of the population, roughly 4% being over 4,000, this could skew the results.
3. Failed Backers- the median would be a better choice to summarizes the data due to the large spread of the data which spans from 0 to 6,080. This median would also account for the large swing in data.
4. Use your data to determine if there is more variability with successful or unsuccessful campaigns. Does this make sense? Why or why not?
   1. There is more variability within the Successful campaigns as compared to the unsuccessful/failed campaigns. Normally, this would not make sense due to the larger number of successful campaigns. Typically, the larger the sample size there should reflect a decrease in the variance in comparison to that of a smaller sample size/population.