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**Module 1 Challenge**

**Part 1:**

**Given The Provided Data, what are three conclusions that we can draw about crowdfunding campaigns?**

From the Data, we can assume that of nearly 50 percent of all Campaigns will succeed but a third of them have failed. With most of the campaigns parent categories come from Theater, Film & Video, and Music, with the subcategory of Plays making a large majority

**What are some limitations of this data set?**

The biggest flaw is that it there isn’t enough data to represent some of the other categories, such as Journalism that only has 4 campaigns, and all 4 are successes. Technically it’s a 100 percent success rate, but from a sample size that is so extremely small that could hardly be useful.

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

Another Table that could be useful is to compare campaigns and their success rate, compared to other types of campaigns to encourage them. Say Hypothetically we found Film & Video to be 25% more successful compared to the other campaigns, it could encourage the company to do more Film & Video Campaigns. We could also see which ones are better in different regions, like Canada or The United States.

**Part 2:**

**Use your Data to Determine whether the mean or the median better summarizes the data?**

Median might be better for the Data Set instead because most of the data is within the 0 to 200 range but some of the data is in the thousands which skews the average higher than what it should be.

**Use your data to determine if there is more variability with successful or unsuccessful campaigns. Does this make sense? Why or why not?**

The Range the occupies the values isn’t too different, they both have a Min-Max range of about 6000-7000 thousand, but their Variance is wildly different with the successful campaigns having a variance that nearly doubles the unsuccessful.