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Data Science Boot Camp  
Cohort Jan-Jul2018

Homework 1: Excel

1. What are three conclusions we can make about Kickstarter campaigns given the provided data?  
   Three conclusions:
   1. Most Kickstarter campaigns fall under the Theater/plays category.
   2. The amount of campaign success was the highest in May, while it is the lowest in December. On the other hand, the amount of campaign failure was the highest in January, while it was the lowest in April. The rate of campaign cancellation showed to be steady throughout the year.
   3. December was the only month where the amount of campaigns failed was greater than the amount of successful campaigns.
2. What are some of the limitations of this dataset?  
    Some limitations of this dataset include it not visually accounting the time period in which each campaign occurred. Some campaigns ran longer than others. There may be a correlation between the time period of each campaign and its success rate. In addition, a limitation is not figuring out the statistical significance of this data. The graphs could be misleading.
3. What are some other possible tables/graphs that we could create?  
    Other possible tables/graphs that could be created from this dataset include:
   1. A bar graph that shows the average amount of money raised with Kickstarter throughout year.
   2. Pie charts: One pie chart compares the quantity of Parent-categories to a whole. In addition, another pie chart that compares each of the sub-categories to a whole.
   3. Scatter plot in which the x-axis is the months of a year, and the y-axis is the money raised by each campaign.