Samuel Slomowitz

SMU Data Science Bootcamp

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**Delve into Kickstarter**

**Question 1:**

1. The data reveals that theater, music, and film & video are highly successful while publishing, food, and journalism are not.

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For example, this trend is stable along countries like USA, Great Britain, and New Zeeland.

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Interestingly, the USA, Great Britain, and Canada makes up 92% of the Kickstarter projects locations overall while the USA has a 75.6% success rate when state is broken-down.

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1. Secondly, Plays in the category of theater performed well while Rock, Classical Music, Electrical Music, Pop, and Metal performed 100% successfully as a percent of Row Total.

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Additionally, Video Games, Mobile Games, Places, Nature, People, and Restaurants had 100% failure rate as a percent of Row Total.

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1. In addition, including only theater, music, and film & video, May and June tend to have a high rate of success while December has the lowest rate of success.

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For the most recent year with complete data for the entire year, successful rate was highest for theater, music, and film & video in the months of March, April, and May.

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**Question 2:**

One limitation of this data set is that the data is outdated. The most recent year with complete data is 2016, which is seven years old. A lot of developments and trends could happen to the field and the Kickstarter domain. Additionally, the data did not account for variable like gender, culture, and education level of the Kickstarter project members. These data variables could shed some light on successes and failure rate.

**Questions 3:**

To visualize the Staff picks along the state of the project (successful, failed, etc.) along the columns and values while looking at the percentage of row total, we see that staff picks are more successful (87%) than projects that are not staff picks, which are successful by only 48%.

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Finally, the history of success (54%) vs. failure (38%) is favorable. With the average donation amount low and little to no financial risk to the project starter, Kickstarter is a great way to raise necessary funds for projects that might never get launched the traditional way. My call to action is to start a theater, music, and film & video project in May and June, especially Plays and Rock, Classical Music, Electrical Music, Pop, or Metal music projects.

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| **Topic** | **Cells** | **Source** |
| Splitting a cell by delimiter | Column Q and Column R | https://www.howtoexcel.org/tutorials/split-text-by-delimiter/ |
| Converting Timestap to Date | Column S and Column T | https://www.extendoffice.com/documents/excel/2473-excel-timestamp-to-date.html |

**References**