Excel Homework 1

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1. Within graph A, a quick insight we can gain is that the of all the categories, ‘theater’ has the largest amount of projects, as well as a large amount of successful projects. However, ‘music’ category has the greatest success to failure ratio of projects with almost a 5:1 split.

Within graph B, we get a different viewpoint. Plays are the clear dominating number of projects. But all ‘rock’ projects are successful. This insight clearly depicts that rock music has a smaller pool of projects and typically are ‘successful’. The final graph depicts when projects tend to be more successful. Thus our insight of rock music being a potential successful project, and a cut of date around May – should increase our odds of a successful project.

1. A limitation of the dataset is we can’t be definitive. In the case of ‘successful’ projects – we aren’t sure if these are because of low goal threshold, due to large number of contributions or large money contributions. The inverse can be said for ‘failed’ projects – high goal thresholds, small number of contributions or small money contributions. Or if other factors are playing into these projects’ states – ‘staff-pick’ might bump the project to the top space on the user interface / website and thus affecting how many people view the project. Key is a lot of correlations can be drawn, but we can’t be definitive until more statistical rigor is applied.
2. Some possible tables we could use are ANOVA, Regression, and Confidence Interval tables. These would point us into determining what factors, or combination of factors would be affecting the outcome of the project states or any further hypothesis we want to test.

Graph A

Graph B

Graph C