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Homework 1

1

From the pivot tables and chart created based upon Category we were able to which Categories were most successful were had the highest number of successes. The three categories with the greatest number of productions are Theater, Music, and Technology. While the category theater was by far the most successful with 839 successes, it also had a greater number of failures than any other category with 493 failures. Based upon the chart representing the Category pivot table we can see the ratio of successful music projects to failed or cancelled projects is the highest.

The Bonus assignment highlighted important data about the relationship between the goal of funds and the success of projects. As a general trend we see an inverse relationship between the percentage of successful projects and the funding goal. As the goal amount of funds increased the percentage of successful projects decreased (with the exception of the range $35,000 to $39,999 and $40,000 to $44,999 increasing slightly from the prior range of 30,000 to 34,999).

The chart representing the pivot table based upon the month highlighted the number of successful projects outnumbered the number of failed and cancelled projects combined. There seems to be a positive relationship between the number of successful projects and failed projects. During months there were fewer total projects, the number of successful and failed projects both decreased meanwhile the number of failed projects remaining fairly consistent.

2

In the data set we were give there were a few limitations. One limitation is the number of productions in the categories of Theater and Journalism. The category, Theater, represented almost exactly one third of the data, with 1,393 of the 4,114 projects. When filtering Theater from the pivot table and chart In the Dated Created Sheet, we see there is less of a relationship between the rate of success and the rate of failure, we.

Another limitation is the number of Plays the Sub-Category pivot table and chart. More than a fourth of the data is represented by Plays, with 1,066 productions. The next most productions in a Sub-Category is Music, with 260 productions. This outlier makes off sets the value scale on the chart, making the remainder of the data difficult to interpret.

Another possible issue with the data is the currency of the Goal and the Pledged may not be in the same currency. In Column H, we are given the currency of the production. We are not told whether the data is converted is converted to USD or another currency. If the currency needed to be converted, it would create an issue in the Bonus section where we organized the data by the goal of funds.

The Unix Timestamp we solved for to did not account for the time zone. This may have an impact on the date created or the date ended. This would not have a large impact on our results unless a program was near the beginning or end of the date on the first or last date of the month.

3

The data in Sub-Category organized alphabetically was did not provide much insight as to the general trends of the projects. If we were to group the Sub-Categories by their Category, we would be able to see which areas of a Category were successful, which is an important feature of Sub-Category. To illustrate this I created an extra sheet with the pivot table and chart. Specifically, in the sub category plays, there were more failures at 353, than any other sub category had in number successes. While there were a large number of failures, the number of successes, 694, are nearly double that amount.

As I discussed in the limitations, the number of projects in the Category, Theater, makes some of the data difficult to visualize. If we calculated percentage of successful, canceled, failed, and live projects we would have another way to see which categories were most successful.

In the Bonus we calculated for the number of successful projects by budget. It would also be beneficial to calculate the number of each Category which falls in the budget range. If 100 of the failed Theater productions were in the range of $50,000 or higher while, 500 of the successful projects were between $1,000 to $4,999 it would tell a different story than if the number of successes and failures were evenly distributed among the different ranges of goals.