Unit 1 | Assignment - KickStart My Chart

Use conditional formatting to fill each cell in the state column with a different color, depending on whether the associated campaign was "successful," "failed," "cancelled," or is currently "live".

Conditional formatting- new rule-use a formula to determine which cell to format; format values-successful, format; choose color in fill.

Create a new column at column O called percent funded that uses a formula to uncover how much money a campaign made towards reaching its initial goal.

=(E3/D3) , copy it to whole column.

Use conditional formatting to fill each cell in the percent funded column using a three-color scale. The scale should start at 0 and be a dark shade of red, transitioning to green at 100, and then moving towards blue at 200.

Conditional formatting-highlight cells rules-

Less than <100% red

Between 100% to 199.999% green

Greater than >199.9999% blue

Or Conditional formatting-highlight cells rules- more rules- choose 3 colors – put number (0, 100, 200)

Create a new column at column P called average donation that uses a formula to uncover how much each backer for the project paid on average.

=E2/N2, copy to whole column.

Create two new columns, one called category at Q and another called sub-category at R, which use formulas to split the Category and Sub-Category column into two parts.

Insert two new columns next to it.

Home-data-text to columns-delimited-other /

Create a new sheet with a pivot table that will analyze your initial worksheet to count how many campaigns were "successful," "failed," "cancelled," or are currently "live" per category.

Choose whole data sheet, insert pivot table- add country to the filter, add state under the column, add count of pledged to the value, add category to the row.

Create a stacked column pivot chart that can be filtered by country based on the table you have created.

Create a new sheet with a pivot table that will analyze your initial sheet to count how many campaigns were "successful," "failed," "cancelled," or are currently "live" per sub-category.

Choose whole data sheet, insert pivot table- add country and parent-category to the filter, add state under the column, add count of pledged to the value, add sub-category to the row.

Create a stacked column pivot chart that can be filtered by country and parent-category based on the table you have created.

The dates stored within the deadline and launched at columns are using unix timestamps. Fortunately for us, there is a formula out there that can be used to convert these timestamps into a normal date.

Create a new column named Date Created Conversion that will use this formula to convert the data contained within launched\_at into Excel's Date format.

=(((I2/60)/60)/24)+DATE(1970,1,1)

Right click the cell, choose cell format, choose dd/mm/yyyy, then make new column name as Date Created Conversion.

Create a new column named Date Ended Conversion that will use this formula to convert the data contained within deadline into Excel's Date format

=(((K2/60)/60)/24)+DATE(1970,1,1)

Right click the cell, choose cell format, choose yyyy, then make new column name as Year.

Create a new sheet with a pivot table with a column of state, rows of Date Created Conversion, values based on the count of state, and filters based on parent category and Years.

Choose whole data sheet, insert pivot table- add year and parent-category to the filter, add state under the column, add count of pledged to the value, add Date Created Conversion to the row. Make group in the date created conversion.

Now create a pivot chart line graph that visualizes this new table.

Create a report in Microsoft Word and answer the following questions...

What are three conclusions we can make about Kickstarter campaigns given the provided data?

a. Theater, music, and film have more potential to success.

b. documentary, hardware, rock and plays have more potential to success.

c. spring has more potential to success.

What are some of the limitations of this dataset?

This dataset did not provide application’s information including age, gender, education, occupation.

Column C (blurb) is difficult to use it in analyzing data.

What are some other possible tables/graphs that we could create?

a. the relationship between goal and state.

b. the relationship between year and state.

c. the relationship between country and state.

d. the relationship between pledged number and category.

e. the relationship between pledged number and state.

Bonus

Create a new sheet with 8 columns: Goal, Number Successful, Number Failed, Number Canceled, Total Projects, Percentage Successful, Percentage Failed, and Percentage Canceled

In the goal column, create twelve rows with the following headers...

Less Than 1000

1000 to 4999

5000 to 9999

10000 to 14999

15000 to 19999

20000 to 24999

25000 to 29999

30000 to 34999

35000 to 39999

40000 to 44999

45000 to 49999

Greater than or equal to 50000

Using the COUNTIFS() formula, count how many successful, failed, and canceled projects were created with goals within those ranges listed above. Populate the Number Successful, Number Failed, and Number Canceled columns with this data.

=COUNTIFS(F2:F4500, "successful", D2:D4500, "<1000")

=COUNTIFS(F2:F4500, "successful", D2:D4500, ">=1000", D2:D4500, "<4999" )

Add up each of the values in the Number Successful, Number Failed, and Number Canceled columns to populate the Total Projects column. Then, using a mathematic formulae, find the percentage of projects which were successful, failed, or were canceled per goal range.

=X3/AA3

Create a line chart which graphs the relationship between a goal's amount and its chances at success, failure, or cancellation.

Input-line chart