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 jhilgithub Updating homework 1 instructions

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# Unit 1 | Assignment - KickStart My Chart

## Background

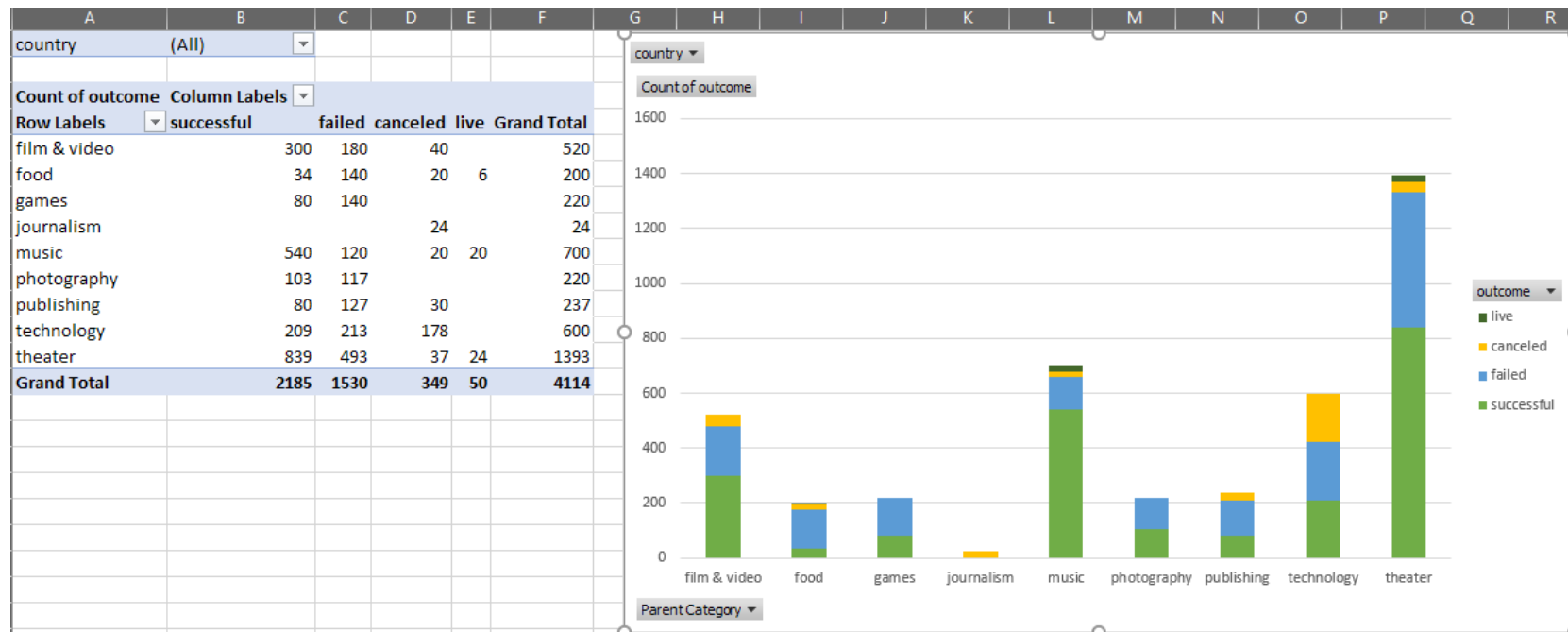
Over two billion dollars have been raised using the massively successful crowdfunding service, Kickstarter, but not every project has found success. Of the over 300,000 projects launched on Kickstarter, only a third have made it through the funding process with a positive outcome.

Since getting funded on Kickstarter requires meeting or exceeding the project's initial goal, many organizations spend months looking through past projects in an attempt to discover some trick to finding success. For this week's homework, you will organize and analyze a database of four thousand past projects in order to uncover any hidden trends.

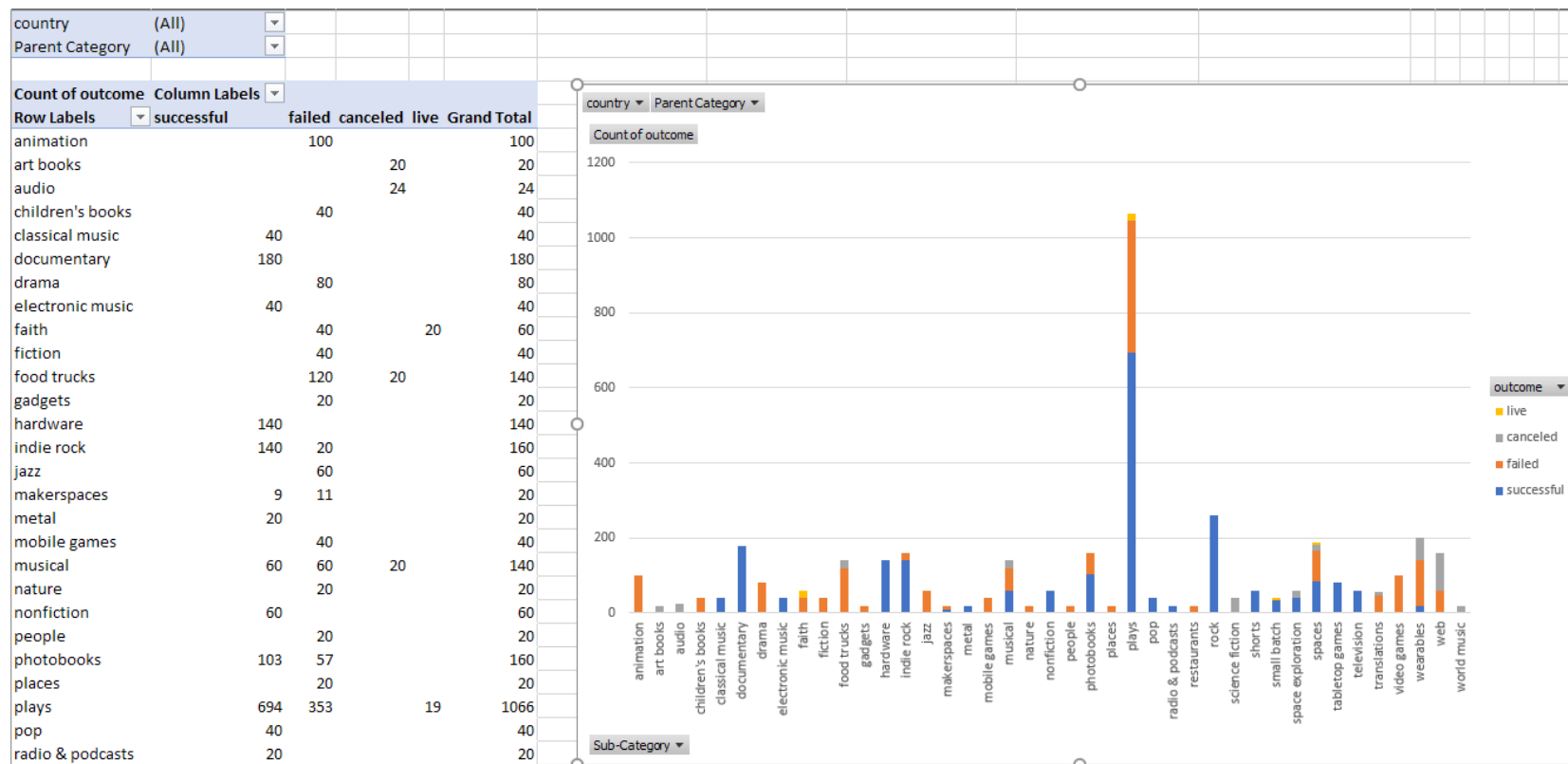
## Instructions

id	name	blank	goal	pledged	outcome	disable_communication	country	currency	currency_trailing_code	deadline	launched_at	staff_pick	backers_count	spotlight	Percentage Funded	Date Created Conversion	Date Ended Conversion	Category and Sub-Category	Parent Category	Sub-Category
0	GIRLS STATE a new musical comedy	In this new TV show "All Politics is Local" as high school girls campaign, sing and cheer to be elected Governor of their summer camp.	8500	11632	successful	FALSE	US	USD	TRUE	1437620400	1434931011	FALSE	182	TRUE	137	6/22/2015	7/23/2015	film & videotelevision	film & video	television
1	FareB&Fest Fat Convention	A FareB&Fest Fat Convention and Art Collective	10275	14653	successful	FALSE	US	USD	TRUE	148844683	1485072683	FALSE	79	TRUE	143	9/26/2017	3/2/2017	film & videotelevision	film & video	television
2	Charlie teaser completion	Completed and for post production for teaser of British comedy drama to series about a girl who sells morale for	500	520	successful	FALSE	GB	GEP	FALSE	145999063	1454919063	FALSE	35	TRUE	105	2/25/2016	2/25/2016	film & videotelevision	film & video	television
3	About Life with HIV	UncoverPositive: A Comedy Series	10000	10390	successful	FALSE	US	USD	TRUE	1487414107	1484822107	FALSE	150	TRUE	104	7/19/2014	8/7/2014	film & videotelevision	film & video	television
4	Party Monstrosities	lively and sexy, out of step with the times, but completely accurate in modern day Los Angeles.	44000	5419.28	successful	FALSE	US	USD	TRUE	1460555279	1447963279	FALSE	294	TRUE	123	10/16/2015	12/16/2015	film & videotelevision	film & video	television
5	Tony Matthews to be the NEXT star on the Network. Television	The BSQ Daddy will be filming the first episode of the first hit series to come to Network. Television. "Blatant My	3999	4390	successful	FALSE	US	USD	TRUE	1463770500	1461962207	FALSE	47	TRUE	110	7/12/2016	7/29/2016	film & videotelevision	film & video	television
6	POINT/HOPE	The story of "Point Hope" will honor, respect, and share the beauty and traditions of the Alaska Natives in Point Hope. AK, the Inupiat	8000	8593	successful	FALSE	US	USD	TRUE	1402710250	1401846250	FALSE	59	TRUE	106	6/14/2014	6/14/2014	film & videotelevision	film & video	television
7	Shin Film Production By 14 Year Old	Secret bond three unfortunate teens who are facing issues that are common among youth today. And for one, it becomes too much to bear.	9000	910	successful	FALSE	US	USD	TRUE	1467600967	1464224967	FALSE	57	TRUE	101	5/26/2016	7/5/2016	film & videotelevision	film & video	television
8	Stirling in the Kitchen: Flapjacks	Help us raise the funds to film our pilot episode!	3500	350152	successful	FALSE	US	USD	TRUE	1460754000	1460195212	FALSE	12	TRUE	100	4/15/2016	4/15/2016	film & videotelevision	film & video	television
9	The Academy Mockumentary sitcom	Capturing everyday life at a kink school where "everyday life" is anything	500	623.99	successful	FALSE	US	USD	TRUE	1460880844	1458268144	FALSE	20	TRUE	126	3/18/2016	4/17/2016	film & videotelevision	film & video	television
10	Big in Beijing: A reality to show about	Making a reality show capturing the real effects of China. They are fun, young, wild, and ambitious. Filmed in Beijing with real	3000	309	successful	FALSE	US	USD	TRUE	1403660279	1400636279	FALSE	19	TRUE	101	5/29/2014	6/25/2014	film & videotelevision	film & video	television
11	2016 TAPR/DCC Video on HamRadioShow	Academy of Fictional Afterlife: a high school where "everyday life" is anything	5000	6025	successful	FALSE	US	USD	TRUE	1478246000	1469324602	FALSE	75	TRUE	121	7/12/2016	8/22/2016	film & videotelevision	film & video	television
12	Spinnard Traveller (T.V. Pilot)	Spinnard Traveller is based on the award winning role-playing game. Launch your imagination into the Traveller universe at Jump 6.	30000	49589	successful	FALSE	US	USD	TRUE	1465478600	146942425	FALSE	627	TRUE	165	6/2/2014	7/16/2014	film & videotelevision	film & video	television
13	Can't Go Home	A travel series hosted by touring musicians that profiles a different American city in each episode.	3500	5599	successful	FALSE	US	USD	TRUE	1466710620	1463688100	FALSE	51	TRUE	169	5/16/2016	6/23/2016	film & videotelevision	film & video	television
14	2019 (Sol 4) Series	A highly charged post-apocalyptic sci-fi series that profiles a different American city in each episode.	6000	6056	successful	FALSE	AU	AUD	TRUE	1465259940	1463091800	FALSE	41	TRUE	101	6/16/2014	7/13/2014	film & videotelevision	film & video	television
15	CineCine	CineCine es un proyecto transmedia para televisión. La finalidad de la venta de contenidos es financiar la realidad. We want to create a Battle Field to pitch a Reality TV Series to TV Executive	2000	2132	successful	FALSE	ES	EUR	FALSE	1443204640	1447190560	FALSE	99	TRUE	107	5/15/2015	9/27/2015	film & videotelevision	film & video	television
16	ArtMoose TV Series	Ve want to create a Battle Field to pitch a Reality TV Series to TV Executive	12000	12029	successful	FALSE	US	USD	TRUE	1402886600	1398972011	FALSE	70	TRUE	100	5/19/2014	6/16/2014	film & videotelevision	film & video	television

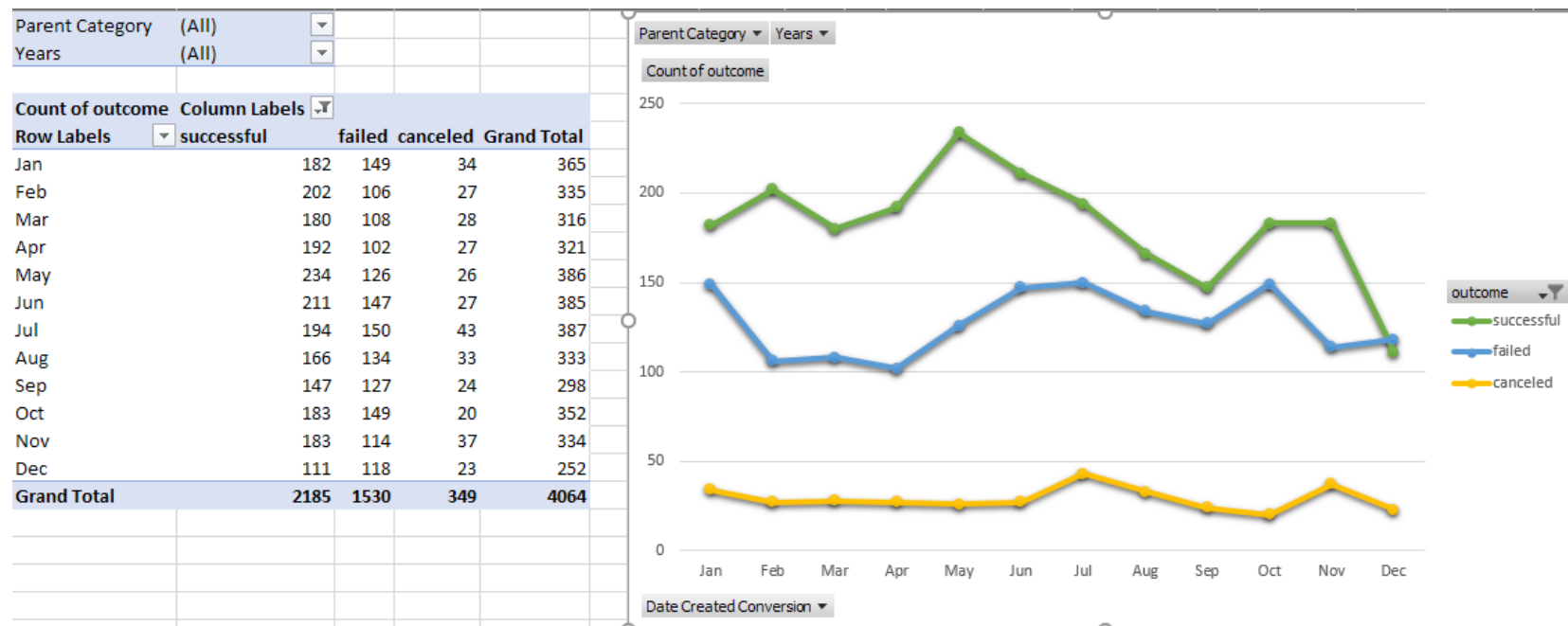
- Using the Excel table provided, you will be modifying and analyzing the data of four thousand past Kickstarter projects as you attempt to uncover some of the market trends.
- Use conditional formatting to fill each cell in the state column with a different color, depending on whether the associated campaign was "successful," "failed," "cancelled," or is currently "live".
- 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.
  - 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.
- 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.
- 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.



- 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**.
  - 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**.
  - 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
  - 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

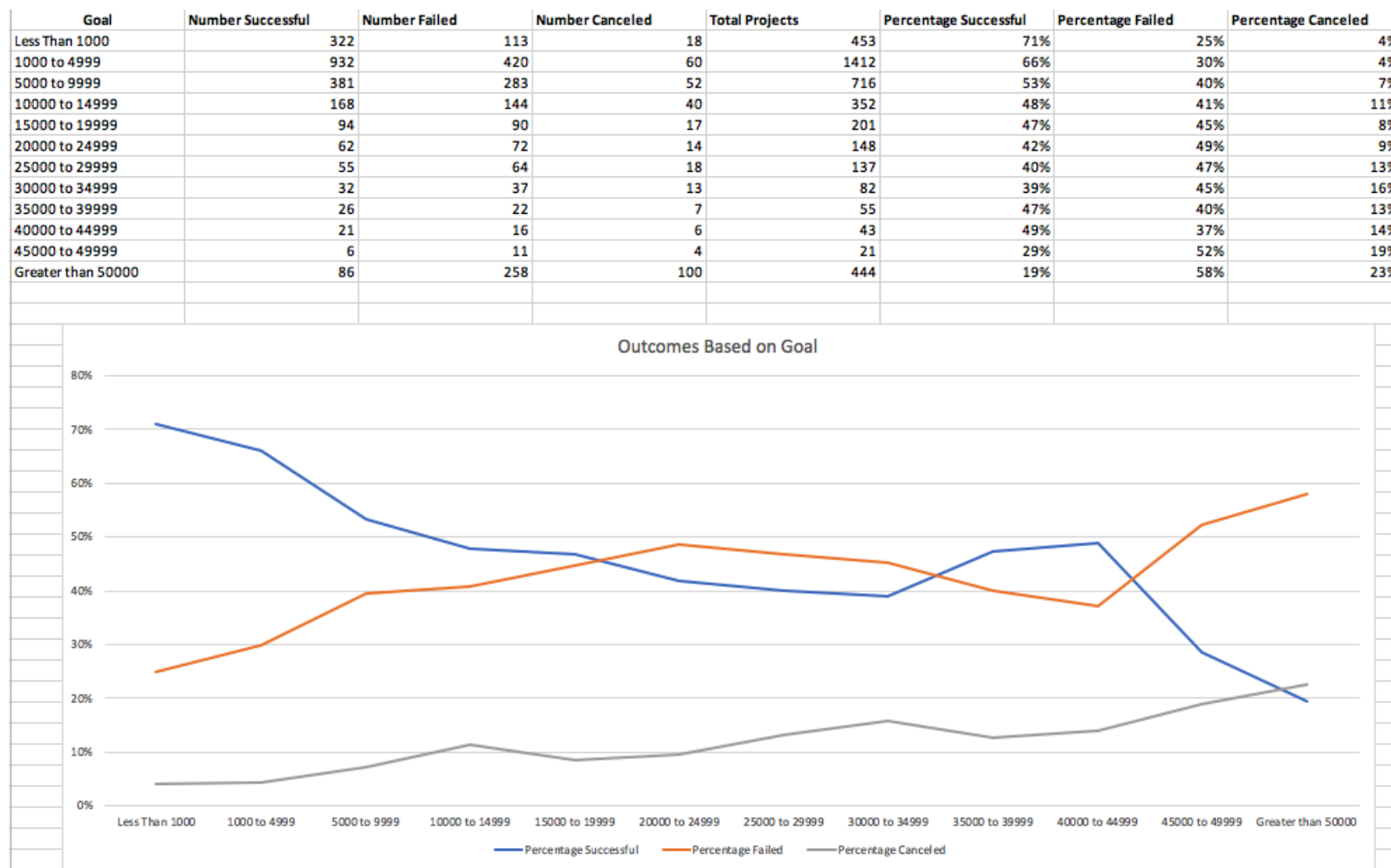


- Create a new sheet with a pivot table with a column of `state` , rows of `Date Created Conversion` , values based on the count of `state` , and filters based on `parent category` and `Years` .
- Now create a pivot chart line graph that visualizes this new table.
- Create a report in Microsoft Word and answer the following questions...
  1. What are three conclusions we can make about Kickstarter campaigns given the provided data?
  2. What are some of the limitations of this dataset?
  3. What are some other possible tables/graphs that we could create?

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

## Submission

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- To submit, please upload the solution and files to a Github repo, dropbox, or google drive and submit the link to <https://bootcampspot.com/>.

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