**Crowdfunding Goal Analysis**

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

In the Goal column, create 12 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

Answer: The above tables on the given conditions has been given in CrowdfundingAnalyis excel sheet

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

Answer: The Countif has been used to calculate successful, failed and canceled projects from goals mentioning the ranges as given above in Goal Analysis excel worksheet

The Formula that I have used is: =Countifs(crowdfundingoutcomerange, “condition like successful”, crowdfundinggoalrange, “condition like <1000”)

For less than 1000

=COUNTIFS(CrowdfundingGA!F2:F1001, "successful", CrowdfundingGA!D2:D1001, "<1000")

=COUNTIFS(CrowdfundingGA!F2:F1001, "failed", CrowdfundingGA!D2:D1001, "<1000")

=COUNTIFS(CrowdfundingGA!F2:F1001, "canceled", CrowdfundingGA!D2:D1001, "<1000")

For 1000 to 4999

=COUNTIFS(CrowdfundingGA!F2:F1001, "successful", CrowdfundingGA!D2:D1001, ">=1000",CrowdfundingGA!D2:D1001, "<4999")

=COUNTIFS(CrowdfundingGA!F2:F1001, "failed", CrowdfundingGA!D2:D1001, ">=1000",CrowdfundingGA!D2:D1001, "<4999")

=COUNTIFS(CrowdfundingGA!F2:F1001, "canceled", CrowdfundingGA!D2:D1001, ">=1000",CrowdfundingGA!D2:D1001, "<4999")

And so on..

* 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 mathematical formula, find the percentage of projects that were successful, failed, or canceled per goal range.

Answer: After putting the values in the Number successful, number failed and number canceled columns I did populate the total project column by putting a formula in GoalAnalysisAnswer sheet

Total project = Number successful + number failed + number canceled (for each individual cells)

Percentage successful = number successful/Total project and then added the % from the menu bar of excel sheet

Percentage failed = number failed/Total project and then added the % from the menu bar of excel sheet

Percentage canceled = number canceled/Total project and then added the % from the menu bar of excel sheet

* Create a line chart that graphs the relationship between a goal amount and its chances of success, failure, or cancellation.