CS3121 Introduction to Data Science

Visualization and Dashboarding Lab Exercise

Kickstarter maintains a global crowdfunding platform focused on creativity. Kickstarter allows creators to share new project ideas for creative work with the communities that will come together to fund them.

Kickstarter.csv contains data about Kickstarter projects under the "Technology" category for the years 2009 - 2016. The attributes are self-explanatory. This is a modified version of the dataset available here.

Tasks

This is a group project. Form groups of 5 on your own and register your group in the link given in Moodle.

1. Create appropriate visualizations to:
   o Show the change in categories over the years.
   o Show the success rate of projects for each category over the years.
   o Show the popularity of categories (average backers per project) against the success rate of projects for each category.
2. Create **two** other visualizations which give you insights about the given data. Each visualization must cover at least 2 different attributes.

Include all the visualizations in a single-page report. In the report, for each visualization explain your choices for visual encoding. For the visualization created in Task 2, describe the insights you gained.

You are allowed to use any tool to generate these visualizations, e.g., PowerBI, Excel, Matplotlib in Python, etc.

Each visualization will be graded for addressing the given requirement, meaningful representation and visualization appeal.

Submission

Your report should be in PDF format and renamed as <<Your_Student_Id.pdf>. Submit the report to Moodle by **18th June 2022 11.59 p.m.**

If you have any questions email *sandarekaw@cse.mrt.ac.lk*.