



THE GALACTIC HEIST



A 15-HOUR DATA ANALYSIS HACKATHON

OPEN FOR :1ST AND 2ND YEAR

Team-Size: 3

Data set

https://drive.google.com/file/d/1C2LmdUUN5DgVBWqqN5XCIPx6nbj1Q_EH/view?usp=sharing

Problem set

Easy

Q1: Top 10 Constellations by Star Count

Q2: Total Approvals per Year

Q3: Zodiac Star Distribution

Medium

Q1: Heatmap of Approvals by Year and Month

Q2: Boxplot - Month vs Year

Q3: Scatter Plot - Year vs. Month

Hard

Q1: KMeans Clustering of Constellations

Q2: PCA on Year-Month Data

Q3: Network Graph: Stars vs Constellations

Day 2

Problem set 2

easy

Q1: Approval Month Trend

Q2: Unique Counts Summary

Medium

Q1: 5-Year Moving Average of Approvals

Q2: Approval Density Plot (KDE)

hard

Q1: Outlier Detection on Approval Dates

Q2: Time-Series Anomaly Detection