Suchitra Hallikeri's Zoom Meeting

Quick recap

The meeting focused on reviewing the exploratory data analysis (EDA) of a candidate selection dataset from Kaggle. Suchitra and Yadlapalli discussed their analysis of hiring decisions, gender distribution, education levels, GPA scores, experience, skill scores, interview scores, job roles, and company data. They observed that while certain attributes like GPA and experience showed some correlation with hiring outcomes, gender and education level did not appear to significantly impact selection rates. The team created visualizations to illustrate these findings and shared their combined EDA results in a single file, which they agreed to share on Discord for team access.

Next steps

- Suchitra: Share the combined EDA file with Momina.
- Suchitra: Share the EDA file on Discord so everyone can access it.

Summary

Candidate Selection Data Analysis Review

Suchitra and Yadlapalli discussed their data exploration and analysis work on a candidate selection dataset from Kaggle. They reviewed their initial steps, including data loading, understanding column meanings, exploring distributions, and checking for missing values. Yadlapalli suggested adding more exploratory data analysis on attributes like education level, experience, job applied, company skill score, and interview, which Suchitra confirmed she had completed. They combined their outputs into a single file and planned to continue their discussion in the Zoom call to ensure the professor could review their progress.

Hiring Data Analysis and Gender Trends

Yadlapalli and Suchitra reviewed hiring data showing that out of 2,000 applicants, 1,155 were selected and 8 were rejected, resulting in a 60-40% split. They analyzed gender distribution, finding that while males and females were nearly equal in total numbers (1,009 males and 991 females), the female rejection rate was slightly higher at 13% compared to 12.45% for males. The education level analysis showed that while more candidates had master's degrees (1,032) than bachelor's degrees (968), the selection rates were similar, with 543 selected from bachelor's candidates and 612 from master's candidates.

Hiring Data Analysis Insights

Yadlapalli and Suchitra discussed the analysis of hiring data, focusing on the impact of GPA, experience, and skill scores on hiring outcomes. They observed that high GPA and 5 years of experience correlated with higher selection rates, while skill scores showed a mixed impact with no clear threshold for selection. They concluded that all attributes considered in the hiring process contribute to the final decision, with no specific score or attribute solely determining selection.

Hiring Data Analysis Insights

Yadlapalli and Suchitra discussed the analysis of hiring data, noting that reinforcement learning researchers received 135 selections and 92 rejections, with similar rejection rates across roles. They observed that AI Ethics and Compliance Officer had the highest selection rate, while computer vision engineering and reinforcement learning researcher roles had similar acceptance rates. The data showed variations in acceptance and rejection rates across 40-50 companies, with university of graduation having no significant impact on hiring outcomes.

Correlation Matrix Analysis Results

The team discussed the correlation matrix analysis, noting that some attributes showed positive while others showed negative correlations, with GPA and interview scores being significant factors. They agreed to share the file with Momina for further analysis and decided to post it on Discord for team access.