Uyyala Aishwarya's Contribution

Contribution to Results and Analysis:

In the Results and Analysis section, I played a crucial role in interpreting and presenting the insights gained from our data analysis. Here's how my contribution unfolded:

Interpretation of Statistical Results: I provided insights into the statistical findings, particularly focusing on the performance of regression and classification models in predicting app ratings based on various features. By analyzing metrics such as mean squared error (MSE) and classification outcomes, I highlighted the strengths and weaknesses of each model, aiding in the selection of the most suitable approach for predicting app download counts.
Graphical Representation: I was responsible for creating graphical representations of our findings to make them more accessible and visually appealing. This included designing histograms, pie charts, and bar plots to illustrate the distribution of app ratings, categories, prices, and other relevant attributes. These visualizations helped convey complex patterns and trends in our data clearly and concisely.
Contribution to Findings and Conclusion:

In the Findings and Conclusion section, my contribution focused on synthesizing our key findings and drawing actionable conclusions. Here's how I contributed:

Research Findings: I summarized the main findings of our analysis, emphasizing the superiority of regression models over classification models for predicting app ratings. I highlighted the significance of features such as category, rating count, and size in influencing app download counts, based on our empirical evidence.
Model Performance Evaluation: I provided a comprehensive assessment of the performance of different machine learning models, particularly focusing on the mean squared error (MSE) as a measure of predictive accuracy. By comparing the performance of models like Random Forest Regressor and Linear Regression, we selected the most effective approach for their predictive tasks.