INDIVIDUAL CONTRIBUTIONS

Sai Varshith Talluri

- Data Preprocessing – Filled the Na values with mean/ mode for specific columns.
- Scaling – Applied Min Max Scaling and Standard Scaling that is necessary for specific models before classification analysis.
- Random Forest Classification - Analyzed the data and used Random Forest Classifier for prediction analysis.
- Decision Tree classification - Analyzed the data and used Decision Tree Classifier for prediction analysis.
- Men_Ice_Hockey - Worked on calculating prediction accuracy for specific sport (Ice_Hockey)
- Report Preparation – Contributed to report preparation

Teja Ramisetty

- Data Preprocessing – Converted categorical variables to numerical values.
- Encoding – Encoded the data using One Hot Encoding and Label Encoding that is necessary for feature selection process.
- Logistic Regression – Analyzed the data and used Logistic Regression model for classification.
- XG Boost (Extreme Gradient Boosting) - Analyzed the data and used Extreme Gradient Boosting model for classification and prediction analysis.
- Men_Football - Worked on calculating prediction accuracy for specific sport (Men_Football)
- Report Preparation - Contributed to report preparation

Prerana Uppalapati

- Data Visualization – Created Bar graphs and pie charts for visual analysis
- KNN Model Analysis - Analyzed the data and used Logistic Regression model for classification which ultimately provided the best metrics.
- Men_Water_Polo - Worked on calculating prediction accuracy for specific sport (Men Water Polo)
- Report Preparation - Contributed to report preparation

Hema Aishwarya Talluri

- Data Visualization – Created the Histograms, bar graphs and seaborn plots for better analysis.
- Men_Hockey – Worked on calculating prediction accuracy for specific sport (Men_Hockey)
- Feature Selection – Selected necessary features (columns) from all the given columns using Random Forest analysis. Also tested Backward Elimination and Forward Selection processes for feature selection.
- Report Preparation - Contributed to report preparation