

FODS : MINI PROJECT

Title: Analysing IPL All Seasons Data: A Data Science Approach to Clean, Preprocess, and Interpret Cricket Statistics

Abstract:

This project aims to analyse the Indian Premier League (IPL) data using essential data science techniques. The primary purpose of analysing the IPL dataset is to gain meaningful insights into the performance of players, teams, and match trends over multiple seasons. This analysis is beneficial for sports analysts, coaches, and fans to better understand key factors driving success in cricket. Through data cleaning, handling missing values, and removing anomalies, the dataset will be transformed for accurate analysis. Pre-processing will involve categorizing and normalizing data for better interpretability. The final analysis will extract insights on player consistency, team strategies, win probabilities, and match outcomes, offering valuable predictions and trends for the future. This project also aims to demonstrate the power of data science in sports, bridging statistical analysis and real-world cricket performances. The project will culminate with the generation of insights through data visualization and statistical interpretation, providing a deeper understanding of the IPL seasons' cricket dynamics.

Dataset Link:

<https://www.kaggle.com/datasets/rajsengo/indian-premier-league-ipl-all-seasons?resource=download>