

IPL 2025 Data Analysis Using Python

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Abstract: This research paper presents an analytical study titled “*IPL 2025 Data Analysis Using Python*”, focusing on extracting insights from the Indian Premier League (IPL) 2025 season using data-driven techniques. The study employs Python libraries such as Pandas, NumPy, Matplotlib, Seaborn, and Plotly for data preprocessing, statistical analysis, and interactive visualization. The analysis explores team and player performance, match trends, win probabilities, and key performance indicators (KPIs). Through data visualization and comparative analytics, the project aims to identify patterns influencing match outcomes and player efficiency. The findings contribute to enhancing strategic decision-making in cricket analytics and demonstrate the practical use of Python in sports data science applications.

Keywords: IPL 2025 DATA , Data Analytics, Players Trends, Python, Visualization

