

ZIDIO DEVELOPMENT

DATASCIENCE INTERNSHIP PROJECT REPORT

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MATCH & TEAM PERFORMANCE ANALYSIS.

Match and team performance analysis evaluates teams' consistency and effectiveness across seasons. It focuses on identifying winning patterns, examining batting and bowling performances, and analyzing team dynamics. Key metrics like runs scored, wickets taken, and win percentages are studied. This analysis highlights areas of strength and potential improvement. It also tracks how strategies evolve over time to improve outcomes. Overall, it helps refine planning, coaching, and team selection for better results.

PLAYER STATISTICS & RANKINGS.

Player statistics and rankings focus on analyzing individual contributions in cricket. Key metrics such as runs scored, wickets taken, strike rates, and economy rates are studied to evaluate performance. Comparisons are made across players, seasons, and formats to identify top performers. This helps rank players based on their impact in matches and consistency. Such analysis highlights the strengths and versatility of players, aiding in team selection and strategy planning. It ultimately provides valuable insights into players' contributions to overall team success.

VENUE & TOSS IMPACT STUDY.

Venue and toss impact studies analyze how different stadiums and toss outcomes influence match results. Factors like pitch conditions, weather, and ground dimensions are assessed to understand their role in team performance. Historical data helps reveal patterns, such as teams' success rates when batting first or chasing. Specific venues' favorability for bowlers or batsmen is also explored. Toss-winning decisions and their outcomes are studied to refine strategies. This analysis aids teams in adapting their plans for various conditions and environments effectively.

HEAD-TO-HEAD COMPARISONS.

Head-to-head comparisons analyze the past performances of two cricket teams against each other. This includes examining batting and bowling statistics, win-loss records, and overall match outcomes. It highlights trends, such as dominance by one team or closely contested matches. Key metrics like average scores, strike rates, and wicket performances are studied to assess strengths and weaknesses. These comparisons provide valuable insights into team strategies and their effectiveness against specific opponents. Such analysis helps in preparing better game plans for future encounters.

WIN PREDICTION & TREND ANALYSIS.

Win prediction and trend analysis involves identifying key factors that contribute to match victories using data-driven insights. Historical data is analyzed to find patterns such as successful batting or bowling strategies, ideal team compositions, and impactful player performances. External factors like pitch conditions, weather, and toss outcomes are also considered. Trends like win streaks, seasonal performance peaks, and team consistency are evaluated. This analysis helps teams refine strategies and make informed decisions for upcoming matches. It offers valuable predictions to enhance competitiveness.

INTERACTIVE VISUALIZATIONS & DASHBOARDS.

Interactive visualizations and dashboards in Power BI enable dynamic data exploration and analysis for cricket performance. Using features like slicers, filters, and custom visuals, users can examine team and player statistics, venue impacts, and match trends in real-time. Graphs such as bar charts, pie charts, and line graphs provide clear representations of key metrics. The dashboards allow users to compare data interactively and identify patterns effectively. Power BI's user-friendly interface supports creating reports tailored to specific analysis needs. This approach enhances insights and decision-making through visually compelling data representations.