



Data Analyst

Capstone Project Synopsis

Build team performance reports for an IPL franchise

Industry Background :

Cricket is a religion in our country. It has become a craze after the advent of IPL. Over the years IPL has gone from just a game to a matter of pride for fans as well as owners. Every penny which goes into auctions, planning, training, marketing and broadcasting the matches needs to be proved its worth. This calls for data driven analysis and strategies to come up with the best plans for teams (with the goal of lifting the IPL for every team)

Data Science offers great promise towards answering some of the pertinent questions teams and owners may have which could help them design the best teams possible with the limited budgets they have.

Problem Statement :

SportsWiz is a **sports tech** startup which provides data driven analysis and strategic recommendations to IPL franchises to help them answer a number of questions related to team's performance, composition and strategy

You are a **Data Analyst** hired by **SportsWiz** and you'll be working with **Royal Challengers Bangalore** which is struggling at IPL for past few seasons

Your **job profile** consists of :





- Devising questions, metrics, dimensions concerning the given problem statement
- Collect, clean and process the data and in the end build a dashboard which would help RCB to gather actionable insights which would in turn help them come up with strategies to form the best team, win against teams and hence add value to the franchise
- As part of your current franchise, following metrics are critical to assess the performance of the team
 - #Matches Won
 - Win Rate %
 - Batting Average
 - Strike Rate
 - Boundary Contribution

Source Data :

- Matches data (Excel)
- Batting data (Excel)
- Deliveries data (Excel)

Analysis Tool(s) :

- Excel
- Power Query

Tasks :

- Ingest data from the sources mentioned into Excel
- Perform data quality checks using Excel/Power Query
- Perform data operations as required using Excel/Power Query

Project Deliverables :

- Business reports made in Excel, ready to serve to customers

