PROJECT REPORT

Dashboard on Auction Ready: Top Players Teams Must Target

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Under the Guidance of

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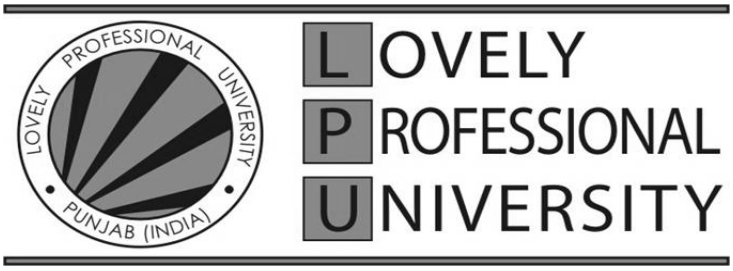
Lovely Professional University, Phagwara



DECLARATION

I, saurabh chaudhary, student of B.Tech. (Computer Science and Engineering) under CSE/IT Discipline at, Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own intensive work and is genuine.

Date: 20/11/2024 **Signature: saurabh**

Registration No. 12214450 **Name of the student:**

Saurabh chaudhary

Introduction

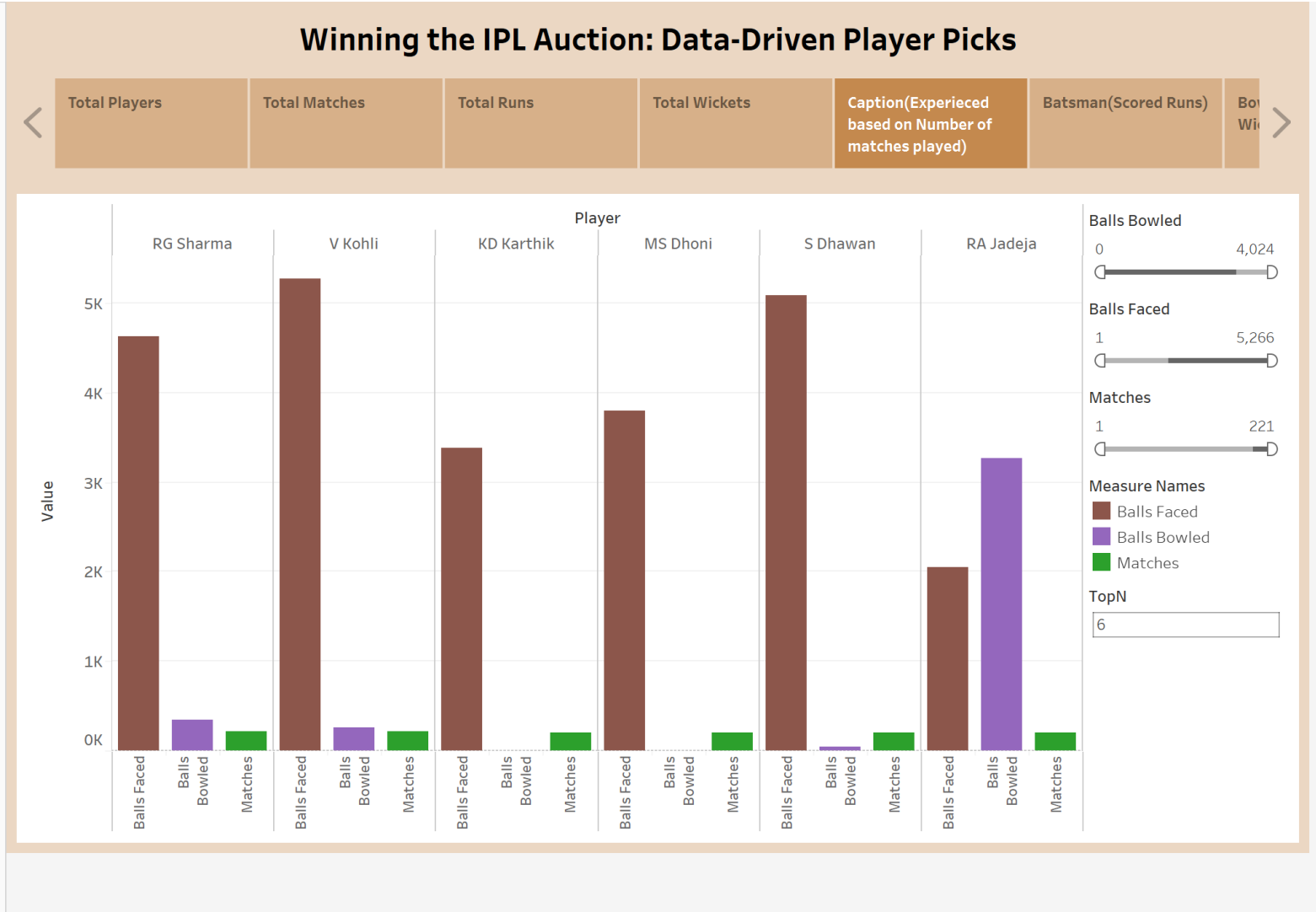
The Auction Ready Dashboard is a comprehensive and interactive Tableau project designed to assist teams in identifying and targeting top players during auctions. By leveraging data-driven insights, the dashboard helps teams make strategic decisions to build balanced and competitive squads.

Key Objectives:

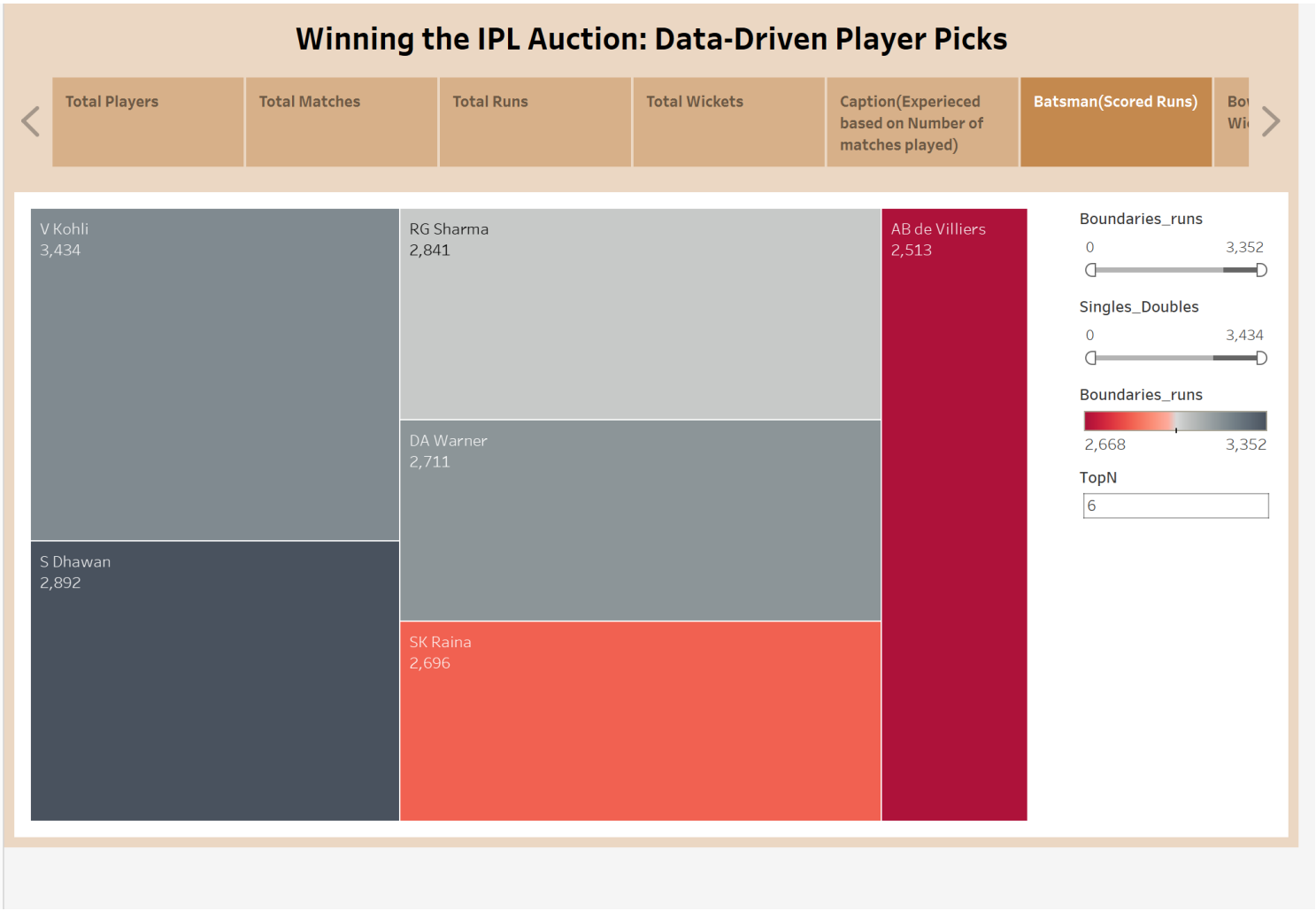
1. **Streamlined Analysis: Evaluate players across key metrics for each role, such as runs scored, wickets taken, batting and bowling averages, and more.**
2. **Role-Specific Insights:**
    - **Batsmen: Ranked by total runs scored.**
    - **Bowlers: Evaluated based on wickets taken.**
    - **All-Rounders: Assessed using batting and bowling averages.**
    - **Wicketkeepers: Analyzed for catches and stumpings.**
    - **Captains: Focused on leadership experience (matches played).**
    - **Impact Players: Judged by batting strike rate and bowling economy.**
3. **Interactive Features: Teams can customize filters and explore combinations to match their auction strategies.**

This dashboard combines powerful visualization with detailed analytics, ensuring that teams can focus on performance-driven selection for maximum impact. Ideal for sports analysts, strategists, and anyone passionate about data and sports!

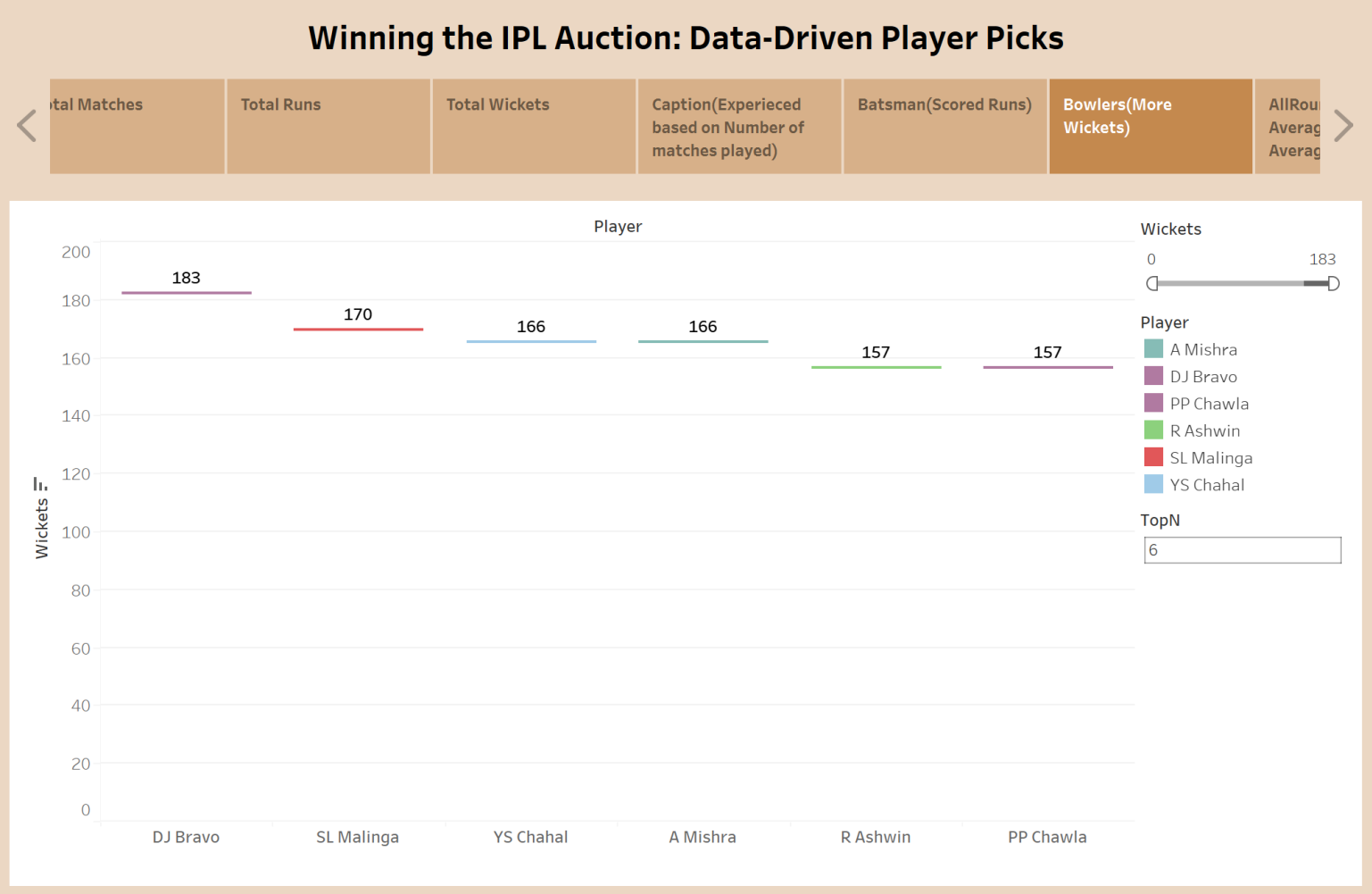
Objective : 1


Winning the IPL Auction: Data-Driven Player Picks
Total Players
Total Matches
Total Runs
Total Wickets
Caption(Experieced based on Number of matches played)
Batsman(Scored Runs)
Player
RG Sharma
V Kohli
KD Karthik
MS Dhoni
S Dhawan
RA Jadeja
Value
5K
4K
3K
2K
1K
0K
Balls Faced
Balls Bowled
Matches
Balls Bowled
0
4,024
Balls Faced
1
5,266
Matches
1
221
Measure Names
Balls Faced
Balls Bowled
Matches
TopN
6

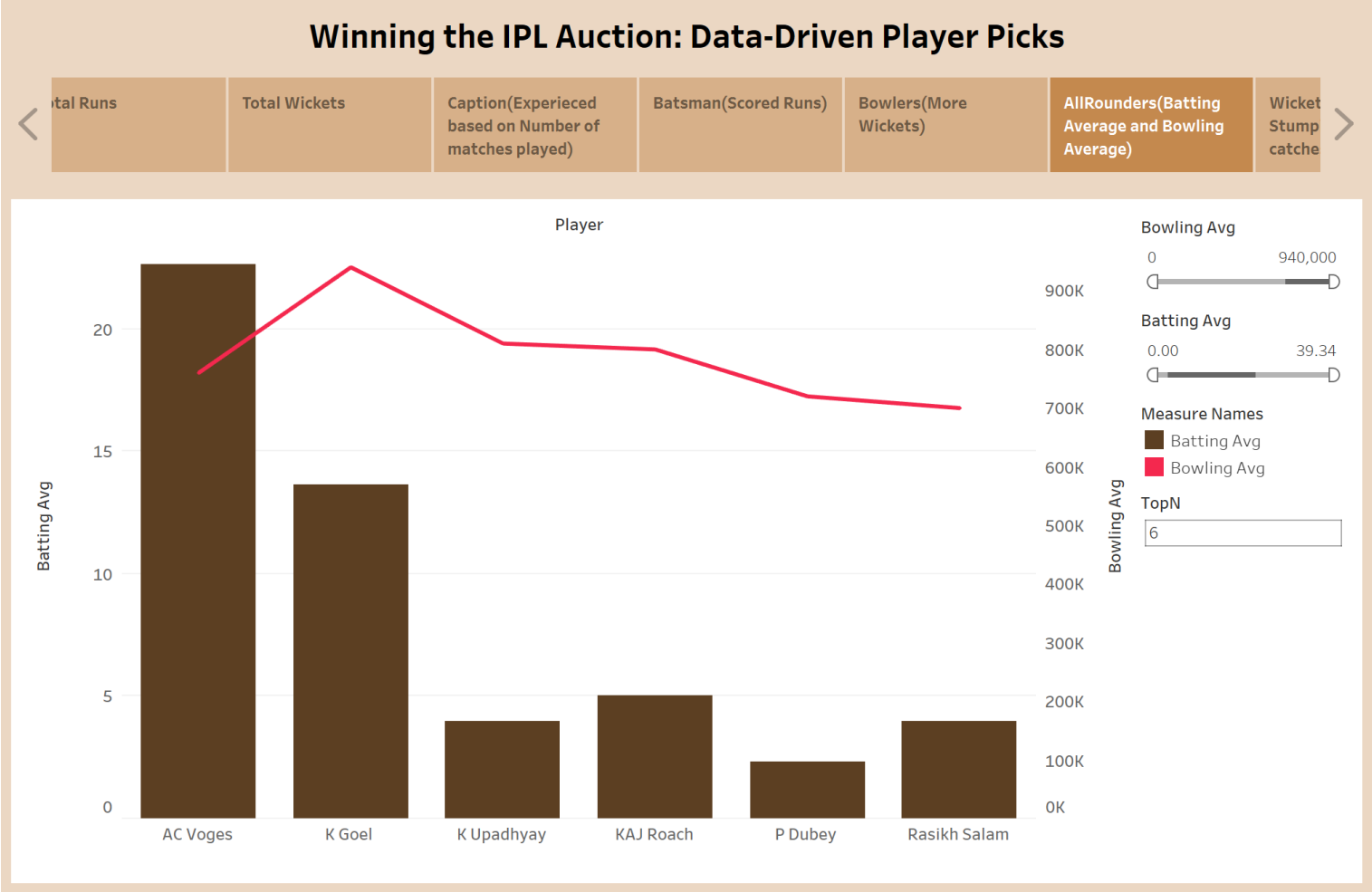
Objective : 2


Winning the IPL Auction: Data-Driven Player Picks
Total Players
Total Matches
Total Runs
Total Wickets
Caption(Experieced based on Number of matches played)
Batsman(Scored Runs)
V Kohli
3,434
RG Sharma
2,841
AB de Villiers
2,513
DA Warner
2,711
S Dhawan
2,892
SK Raina
2,696
Boundaries_runs
0
3,352
Singles_Doubles
0
3,434
Boundaries_runs
2,668
3,352
TopN
6

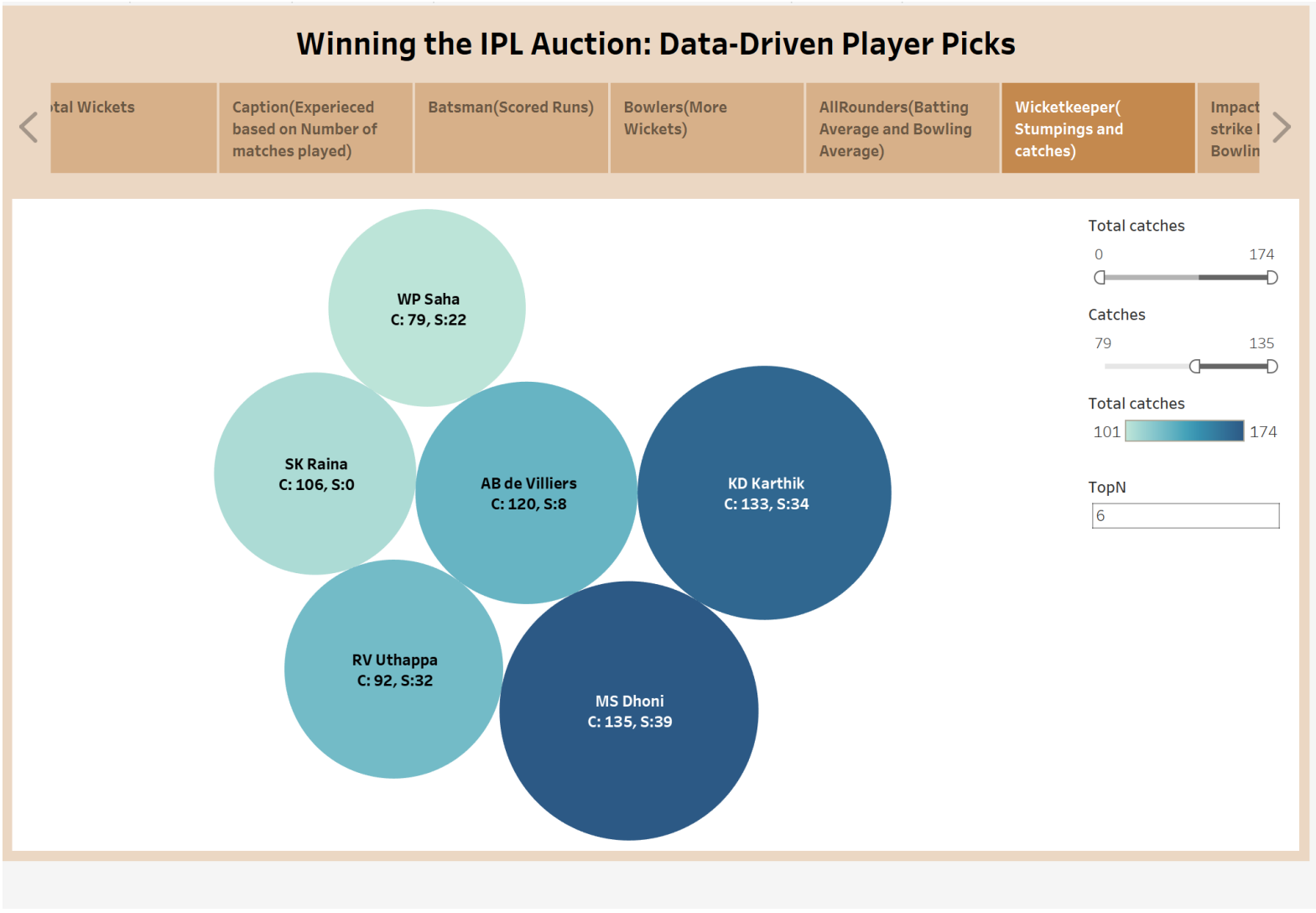
Objective: 3


Winning the IPL Auction: Data-Driven Player Picks
tal Matches
Total Runs
Total Wickets
Caption(Experieced based on Number of matches played)
Batsman(Scored Runs)
Bowlers(More Wickets)
AllRou
Averag
Averag
Player
Wickets
200
180
160
140
120
100
80
60
40
20
0
183
170
166
166
157
157
DJ Bravo
SL Malinga
YS Chahal
A Mishra
R Ashwin
PP Chawla
Wickets
0
183
Player
A Mishra
DJ Bravo
PP Chawla
R Ashwin
SL Malinga
YS Chahal
TopN
6

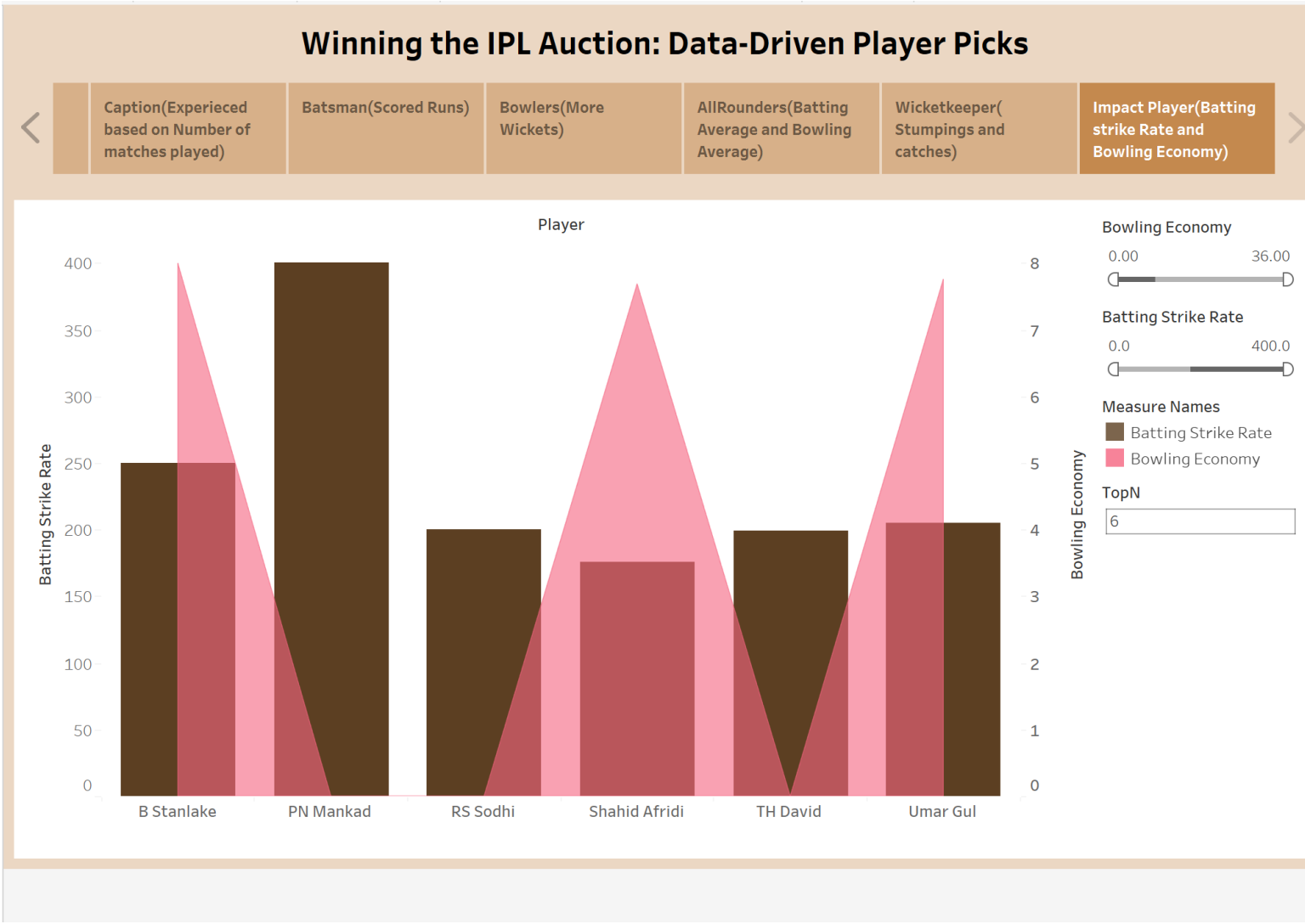
Objective: 4


Winning the IPL Auction: Data-Driven Player Picks
tal Runs
Total Wickets
Caption(Experieced based on Number of matches played)
Batsman(Scored Runs)
Bowlers(More Wickets)
AllRounders(Batting Average and Bowling Average)
Wicket Stump catche
Player
Batting Avg
Bowling Avg
0
5
10
15
20
0K
100K
200K
300K
400K
500K
600K
700K
800K
900K
AC Voges
K Goel
K Upadhyay
KAJ Roach
P Dubey
Rasikh Salam
Bowling Avg
0
940,000
Batting Avg
0.00
39.34
Measure Names
Batting Avg
Bowling Avg
TopN
6

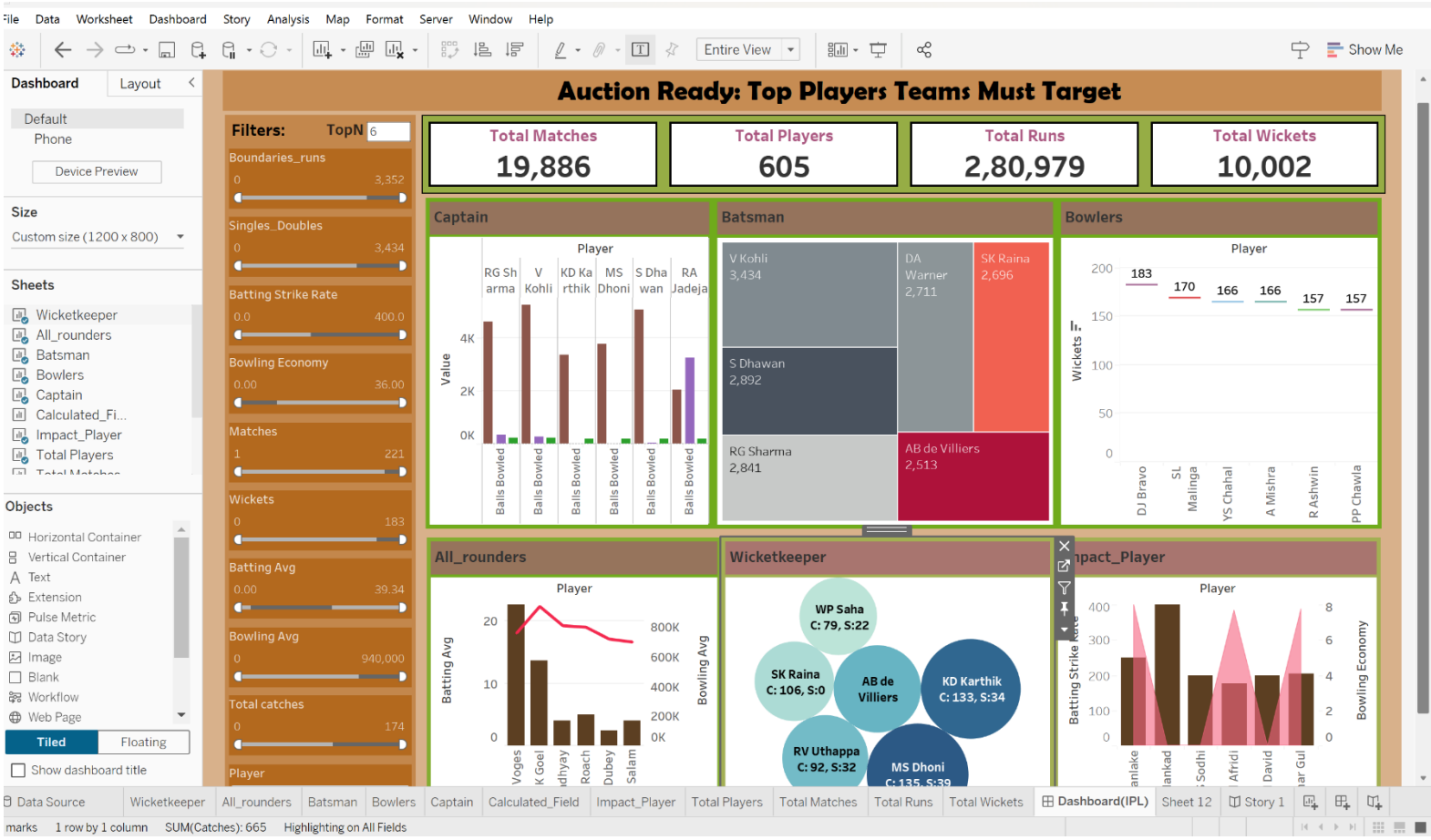
Objective : 5


Winning the IPL Auction: Data-Driven Player Picks
tal Wickets
Caption(Experieced based on Number of matches played)
Batsman(Scored Runs)
Bowlers(More Wickets)
AllRounders(Batting Average and Bowling Average)
Wicketkeeper(Stumpings and catches)
Impact strike Bowlin
WP Saha
C: 79, S:22
SK Raina
C: 106, S:0
AB de Villiers
C: 120, S:8
KD Karthik
C: 133, S:34
RV Uthappa
C: 92, S:32
MS Dhoni
C: 135, S:39
Total catches
0
174
Catches
79
135
Total catches
101
174
TopN
6

Objective: 6


Winning the IPL Auction: Data-Driven Player Picks
Caption(Experieced based on Number of matches played)
Batsman(Scored Runs)
Bowlers(More Wickets)
AllRounders(Batting Average and Bowling Average)
Wicketkeeper(Stumpings and catches)
Impact Player(Batting strike Rate and Bowling Economy)
Player
Batting Strike Rate
Bowling Economy
400
350
300
250
200
150
100
50
0
8
7
6
5
4
3
2
1
0
B Stanlake
PN Mankad
RS Sodhi
Shahid Afridi
TH David
Umar Gul
Bowling Economy
0.00
36.00
Batting Strike Rate
0.0
400.0
Measure Names
Batting Strike Rate
Bowling Economy
TopN
6

DashBoard:


Auction Ready: Top Players Teams Must Target
Total Matches
19,886
Total Players
605
Total Runs
2,80,979
Total Wickets
10,002
Captain
Batsman
Bowlers
All_rounders
Wicketkeeper
Impact_Player
Filters:
TopN
Boundaries_runs
Singles_Doubles
Batting Strike Rate
Bowling Economy
Matches
Wickets
Batting Avg
Bowling Avg
Total catches
Player
V Kohli 3,434
DA Warner 2,711
SK Raina 2,696
S Dhawan 2,892
RG Sharma 2,841
AB de Villiers 2,513
WP Saha C: 79, S:22
SK Raina C: 106, S:0
AB de Villiers
KD Karthik C: 133, S:34
RV Uthappa C: 92, S:32
MS Dhoni
DJ Bravo
SL Malinga
YS Chahal
A Mishra
R Ashwin
PP Chawla

Conclusion:

The Auction Ready Dashboard is a powerful tool for teams aiming to make strategic, data-driven decisions during player auctions. By analyzing key performance metrics for various roles, including batsmen, bowlers, all-rounders, wicketkeepers, captains, and impact players, it simplifies the process of identifying the best-fit players for a balanced team.

Its interactive features allow users to explore data dynamically, tailoring their selections to meet specific team needs. This project showcases the potential of data visualization in sports analytics, combining actionable insights with intuitive design to drive informed decision-making.

Whether for professional sports analysts or enthusiasts, this dashboard demonstrates how Tableau can transform raw data into a strategic advantage. The project highlights the importance of leveraging analytics for performance optimization and showcases my skills in data visualization, storytelling, and sports performance analysis. It's a testament to the value of blending data with strategy.

----------Thank you----------