BY ML INTERN ROSHANE GOHAR

Project Name:

WORLD CUP 2023 DATA ANALYSIS

Introduction

World Cup 2023 Data Analysis project. Our endeavor is to immerse ourselves into the realm of cricket, with a keen focus on dissecting the performances of teams and players throughout this esteemed tournament. With a rich dataset at our disposal, brimming with diverse features, we invite you to join us in embarking on a journey of exploratory data analysis (EDA) to unearth meaningful insights and deepen our understanding of the game.

ICC CRICKET WORLD CUP 2023!
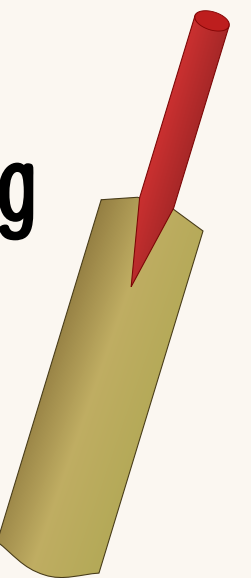
PROBLEMSTATEMENT:

our mission is clear: to conduct an in-depth exploratory data analysis that unveils the intricate tapestry of team and player performance. Our goal is to decipher the patterns, trends, and standout statistics that offer keen insights into the essence of the game. This analysis will delve into both batting and bowling facets, meticulously examining crucial metrics including runs, wickets, strike rate, economy rate, and other pertinent factors. By navigating through this data landscape, we aim to uncover the nuanced storylines that define cricket's premier tournament.
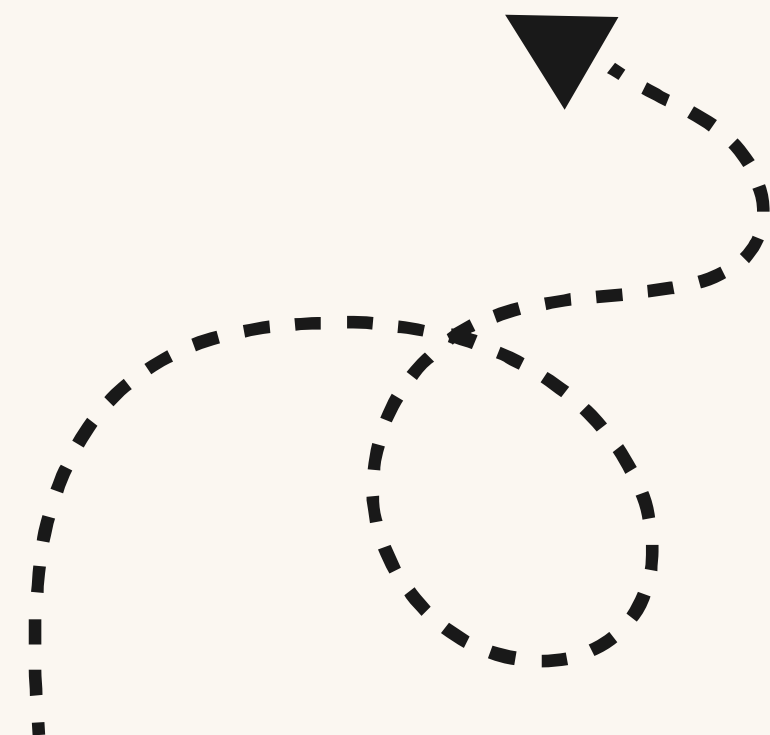
Tasks to Perform

1. Team Performance Analysis
2. Player Performance Analysis
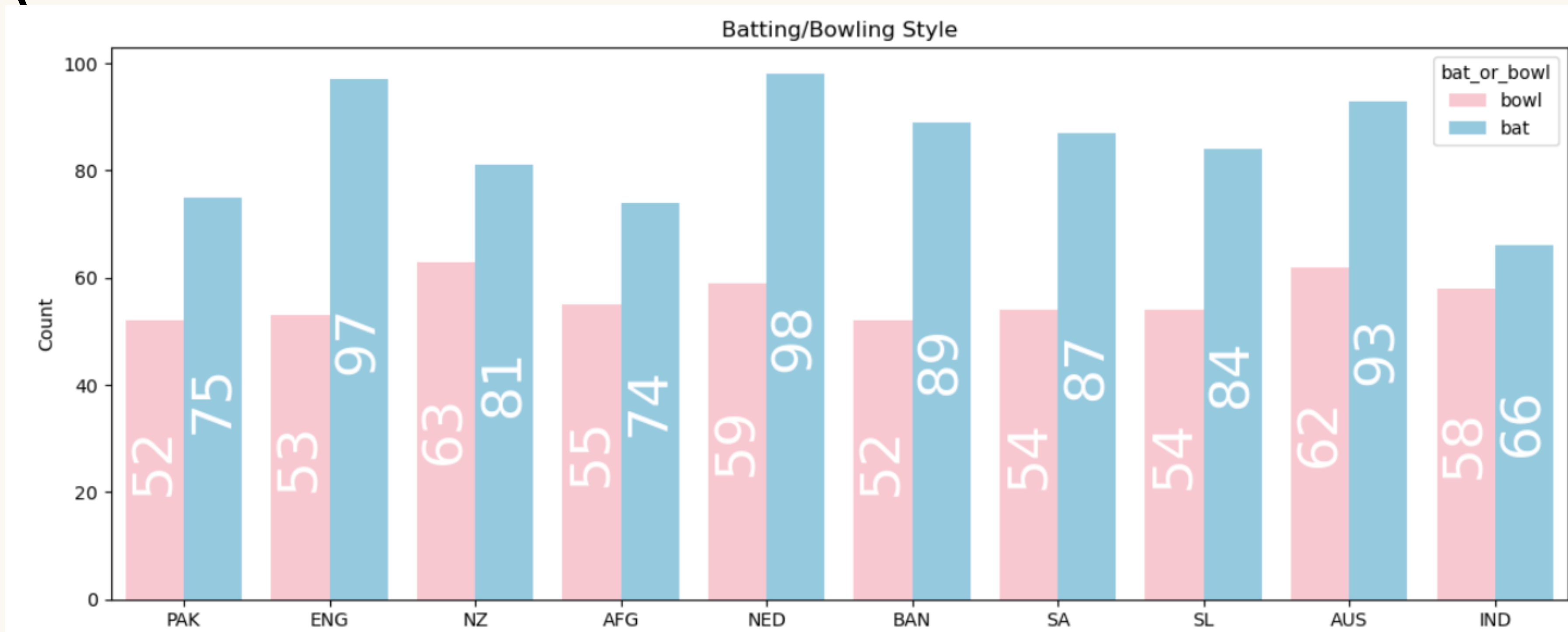3. Opposition and Ground Analysis
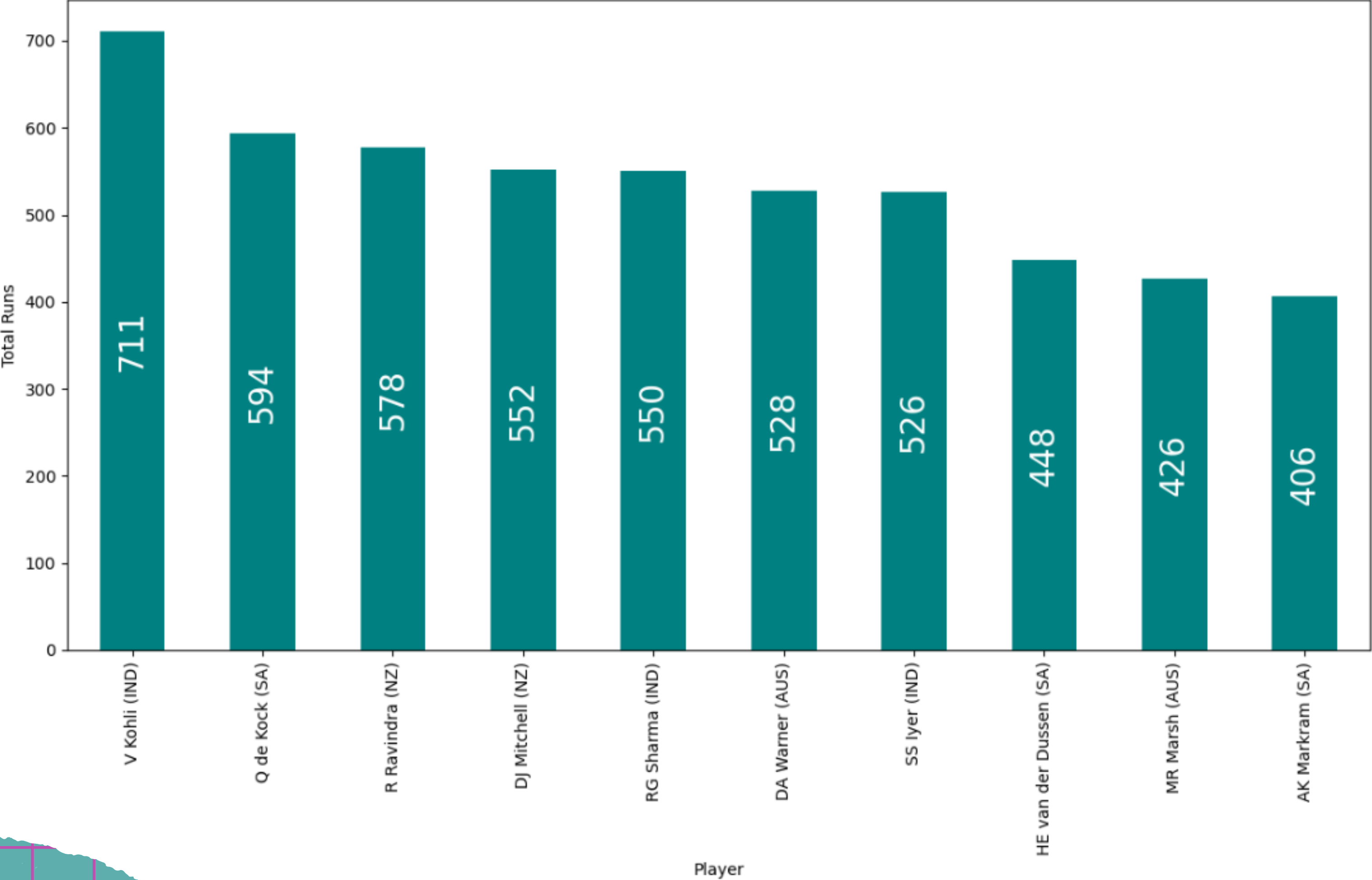4. Temporal Analysis:
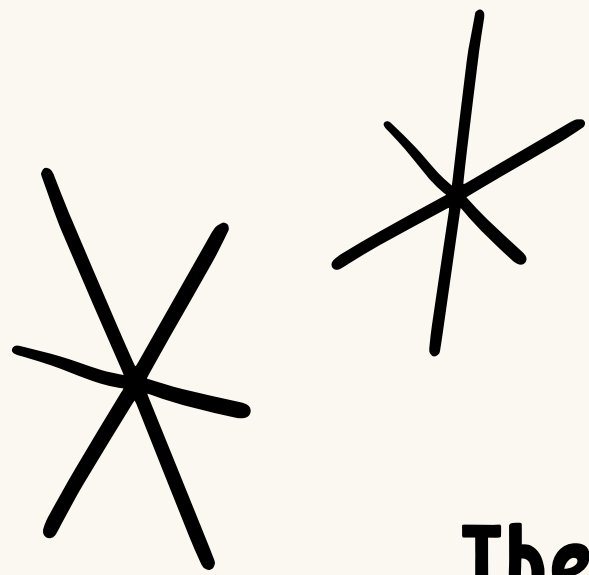
DATASET
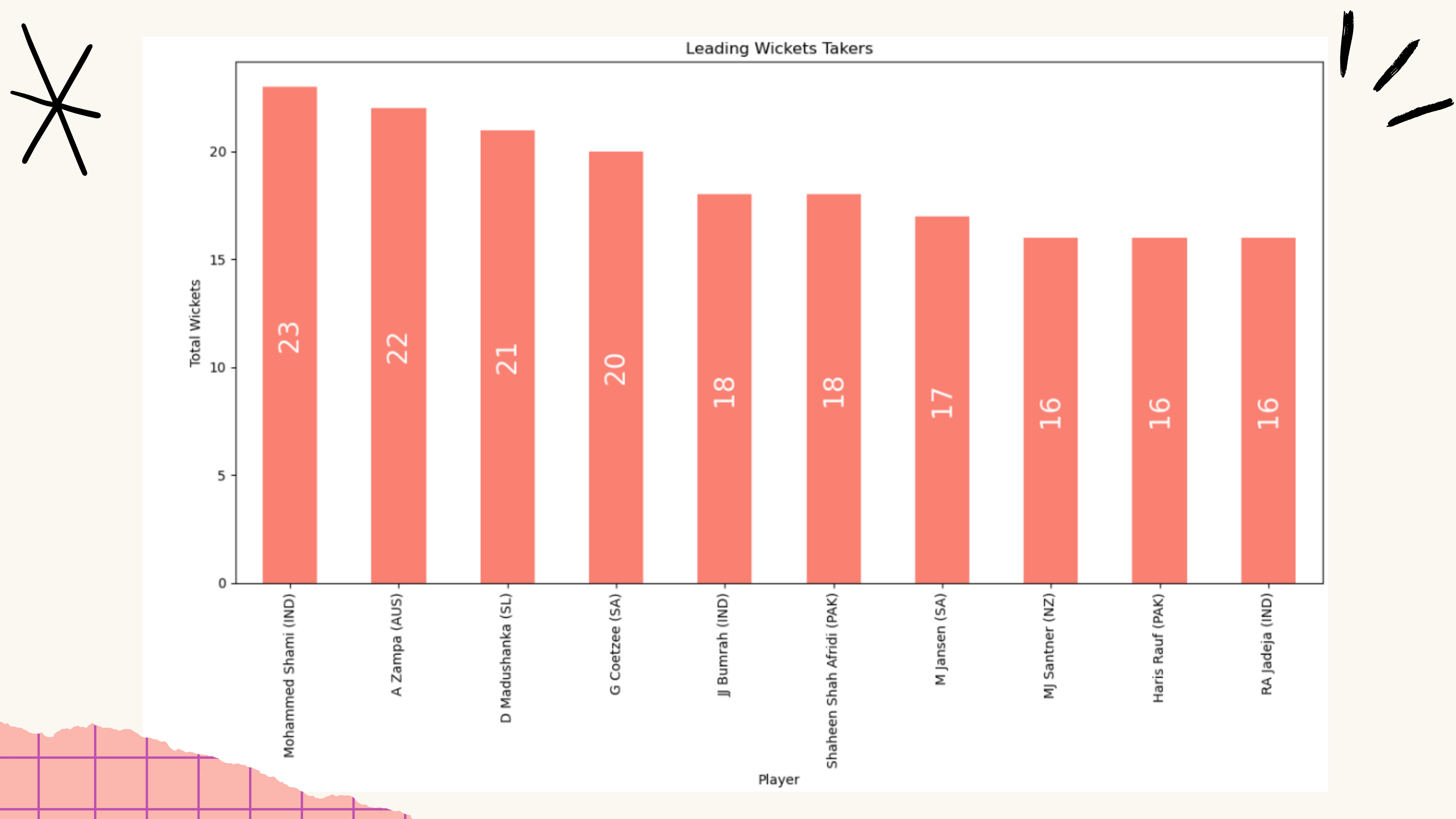
The dataset comprises the following columns:
- team
- player
- bat_or_bowl
- bb_bf (balls bowled or balls faced)
- runs
- wkts (wickets)
- wicketball_prob
- runs_per_ball
- opposition
- ground
- start_date
- overs
- mdns (maidens)
- econ (economy rate)
- inns (innings)
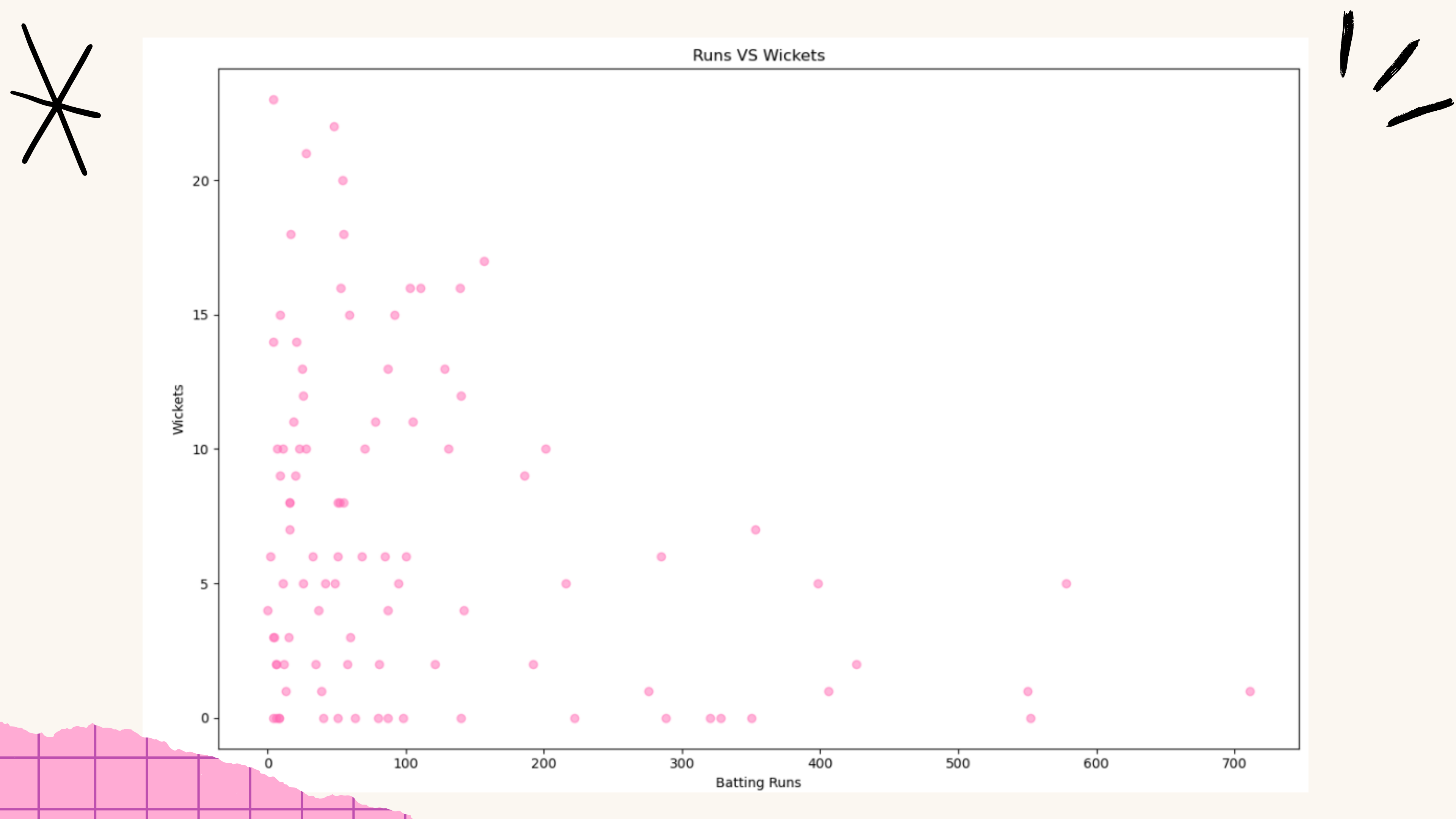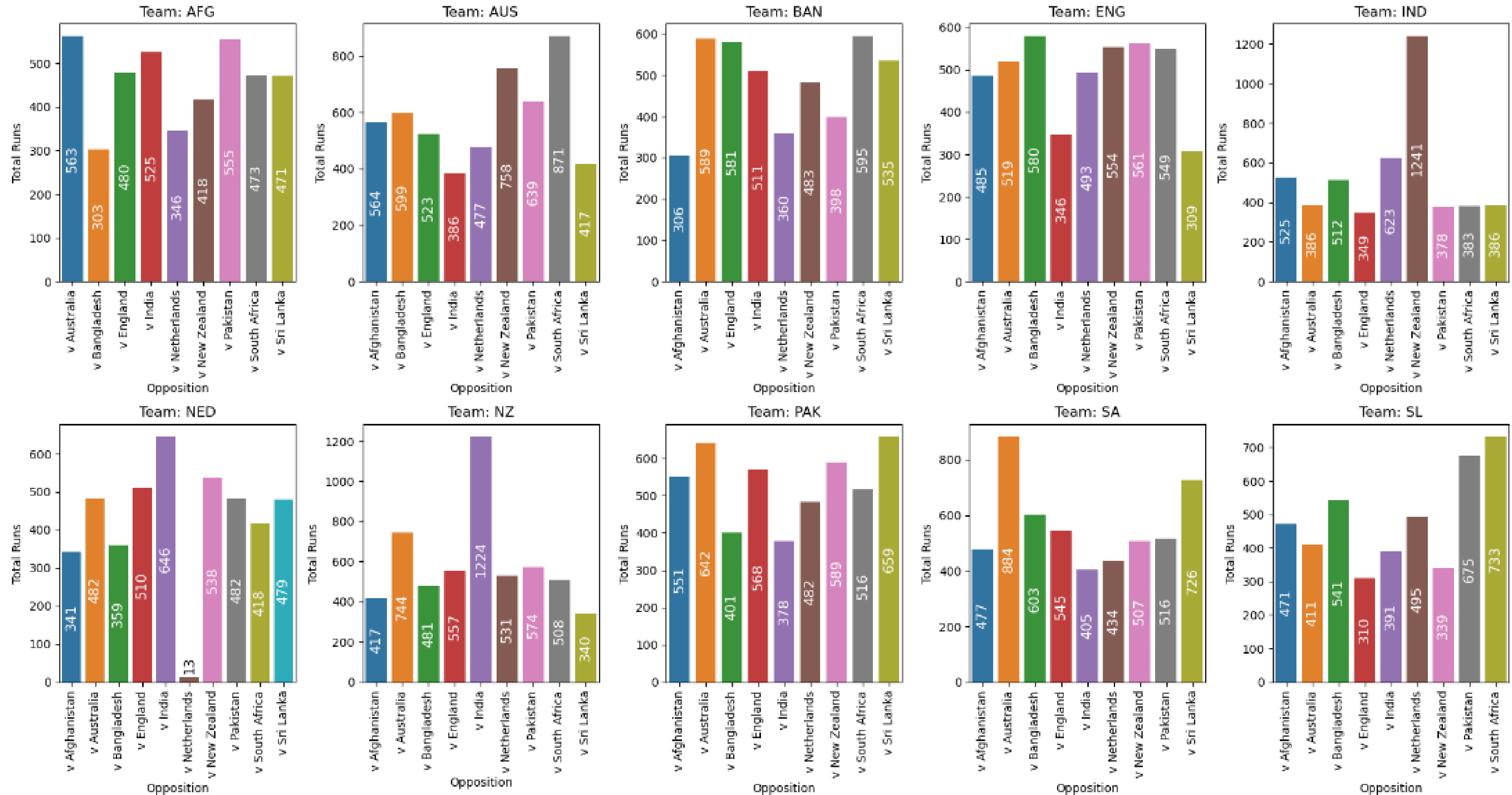- 4s (fours)
- 6s (sixes)
- sr (strike rate)
- not_out
- mins (minutes)

Batting/Bowling Style

Leading Run-Scorers

Leading Wickets Takers

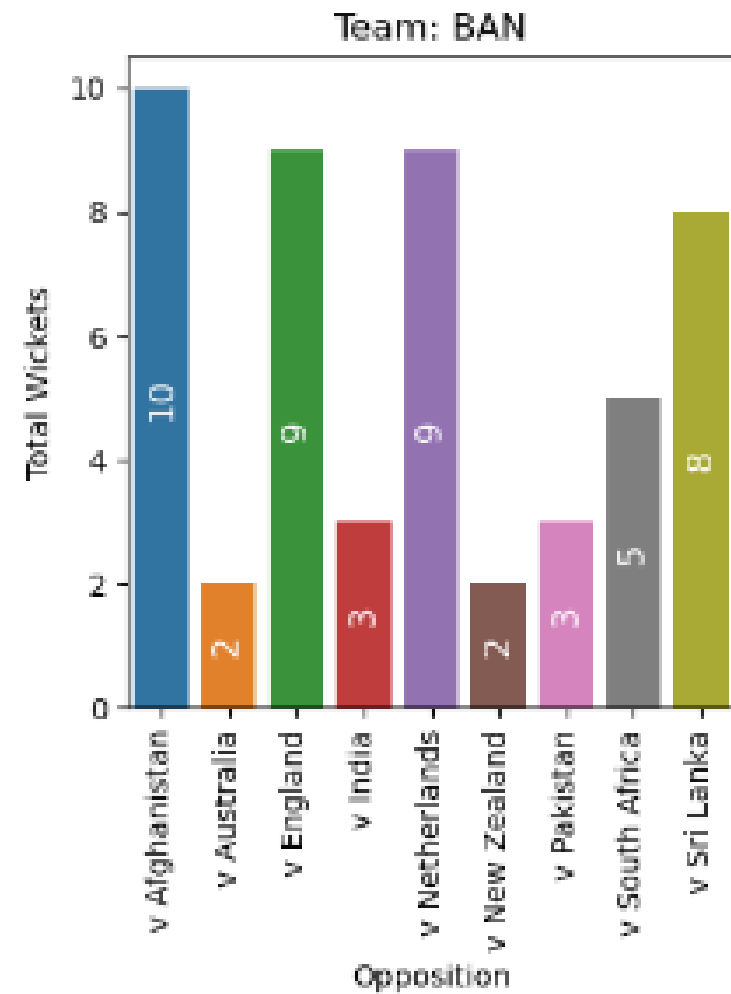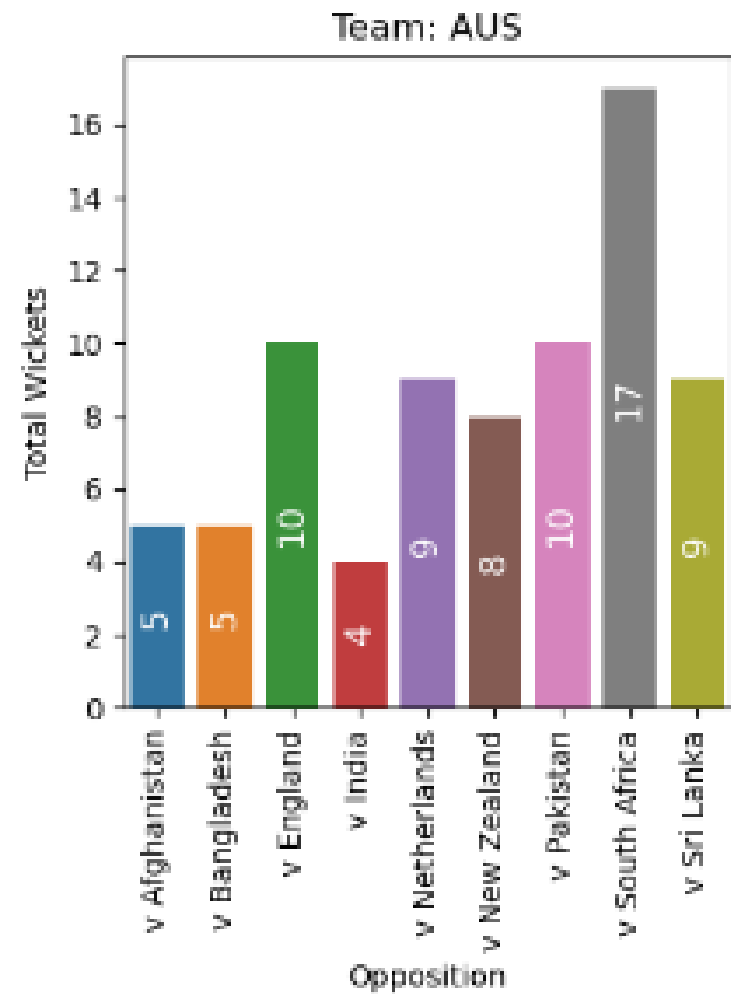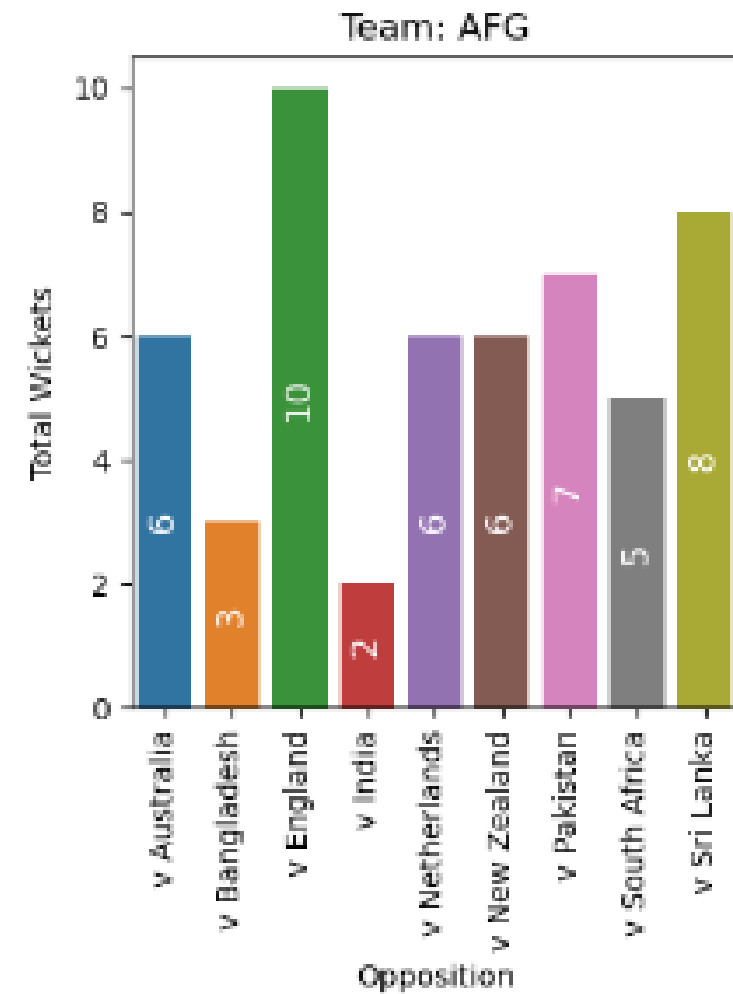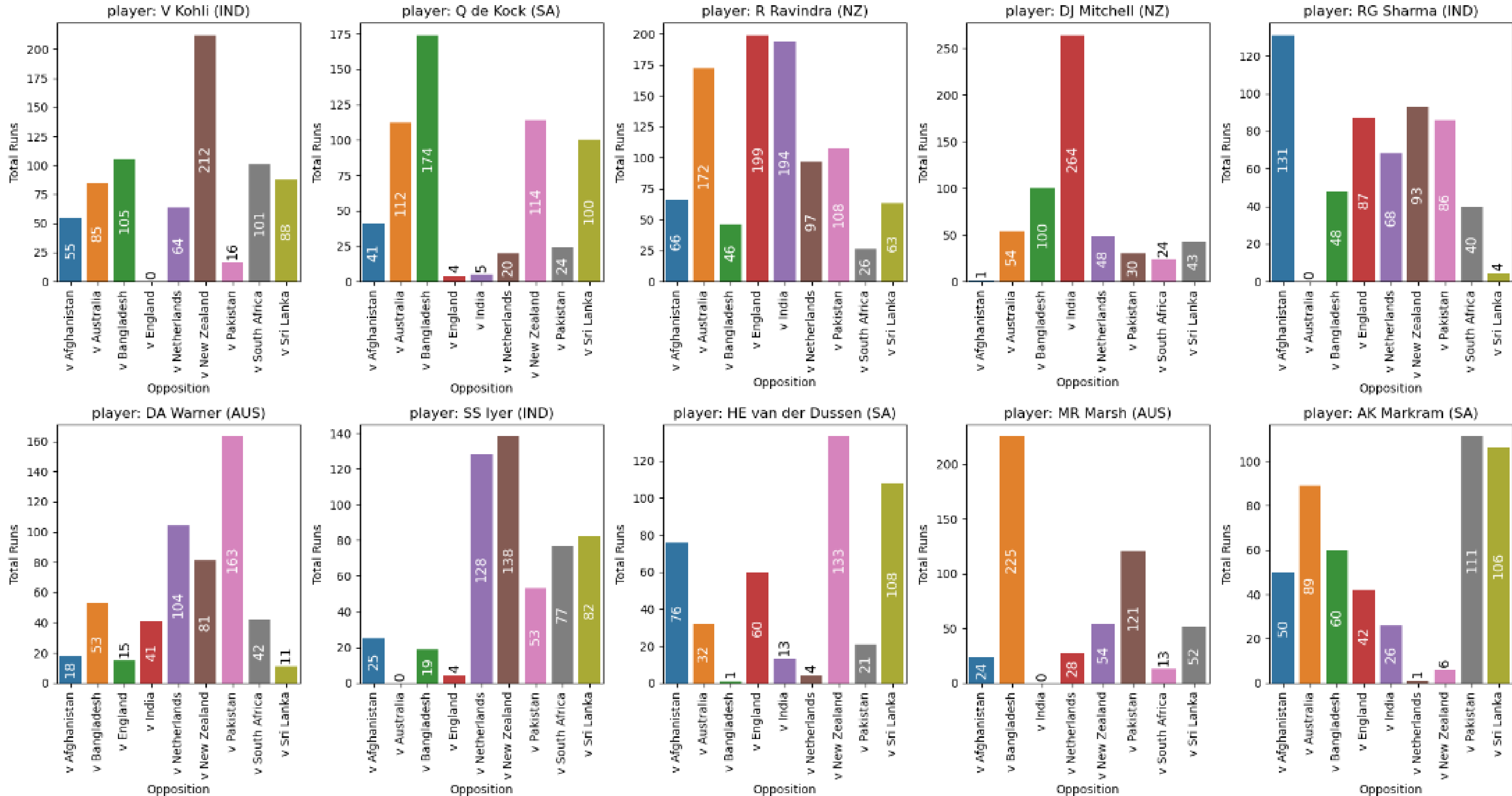| Player	Total Wickets
Mohammed Shami (IND)	23
A Zampa (AUS)	22
D Madushanka (SL)	21
G Coetzee (SA)	20
JJ Bumrah (IND)	18
Shaheen Shah Afridi (PAK)	18
M Jansen (SA)	17
MJ Santner (NZ)	16
Haris Rauf (PAK)	16
RA Jadeja (IND)	16

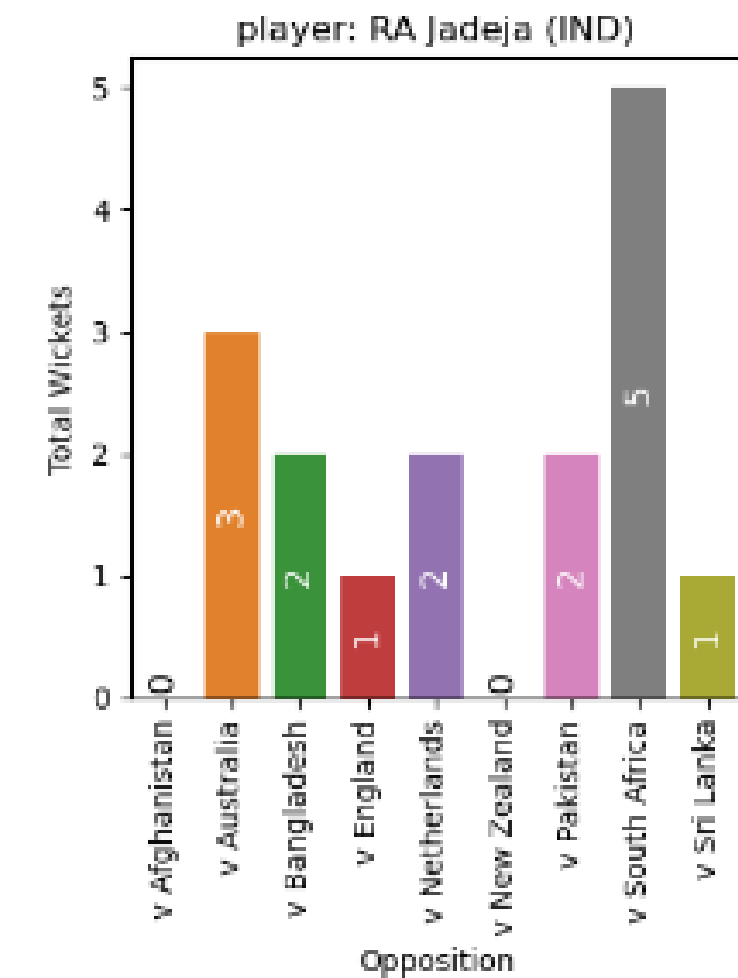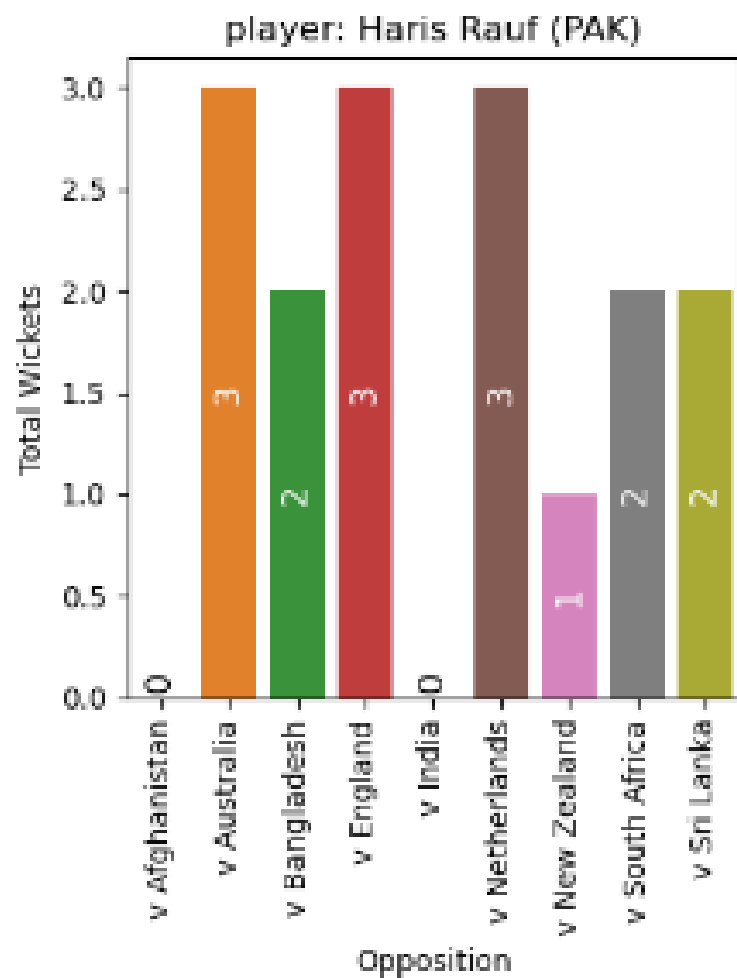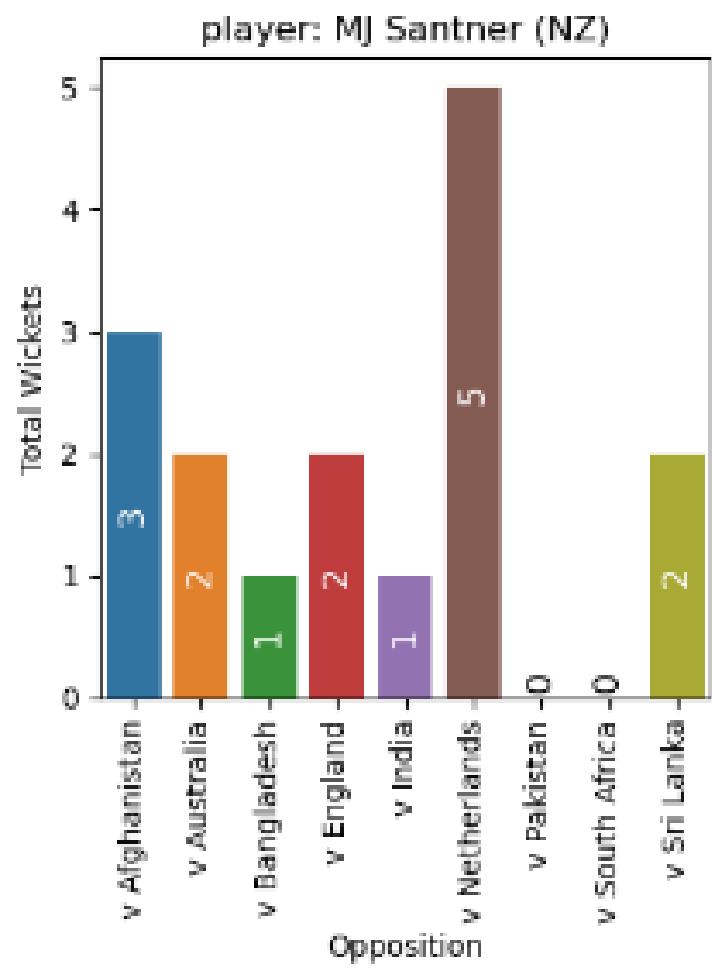Runs VS Wickets

Total Runs Scored by Each Team Against Different Oppositions

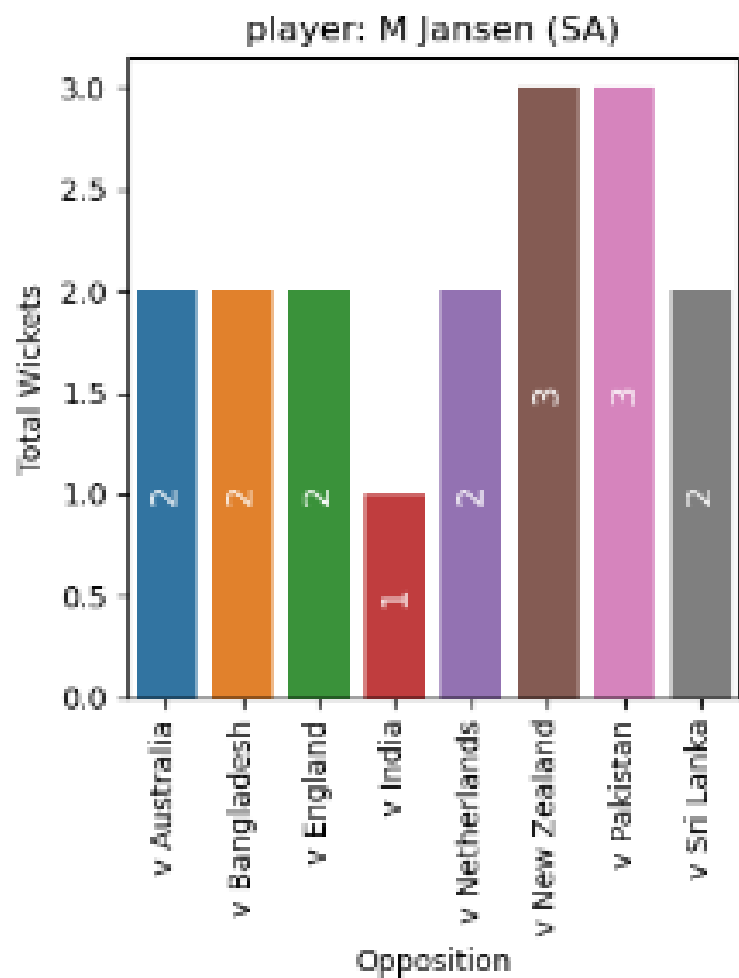Total Wickets Scored by Each Team Against Different Oppositions
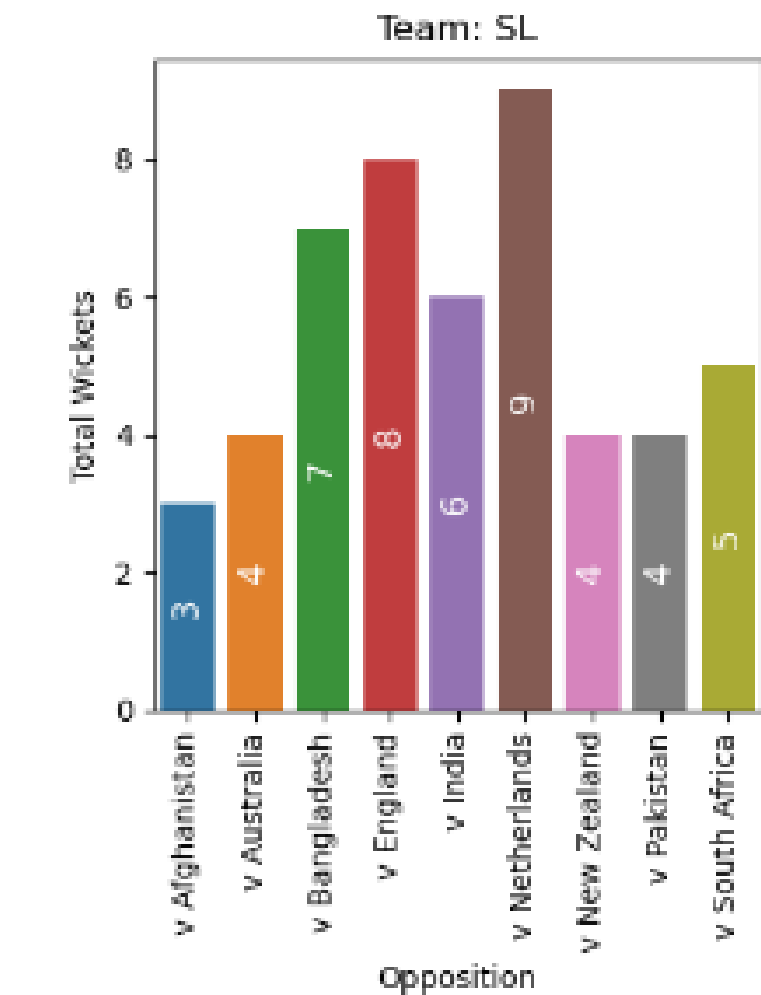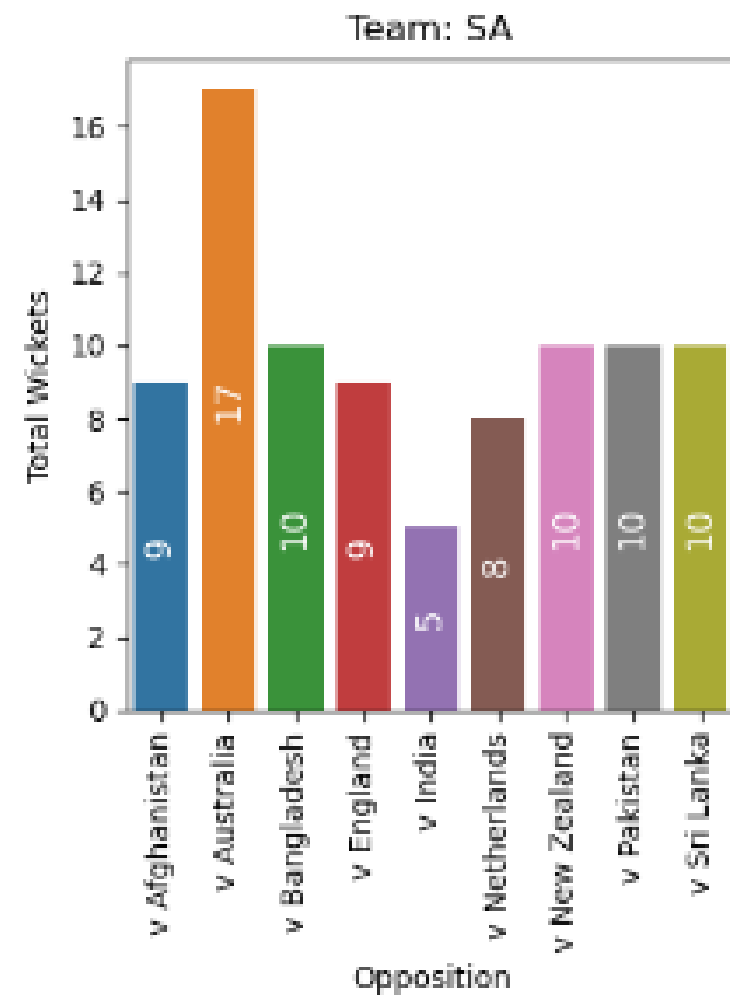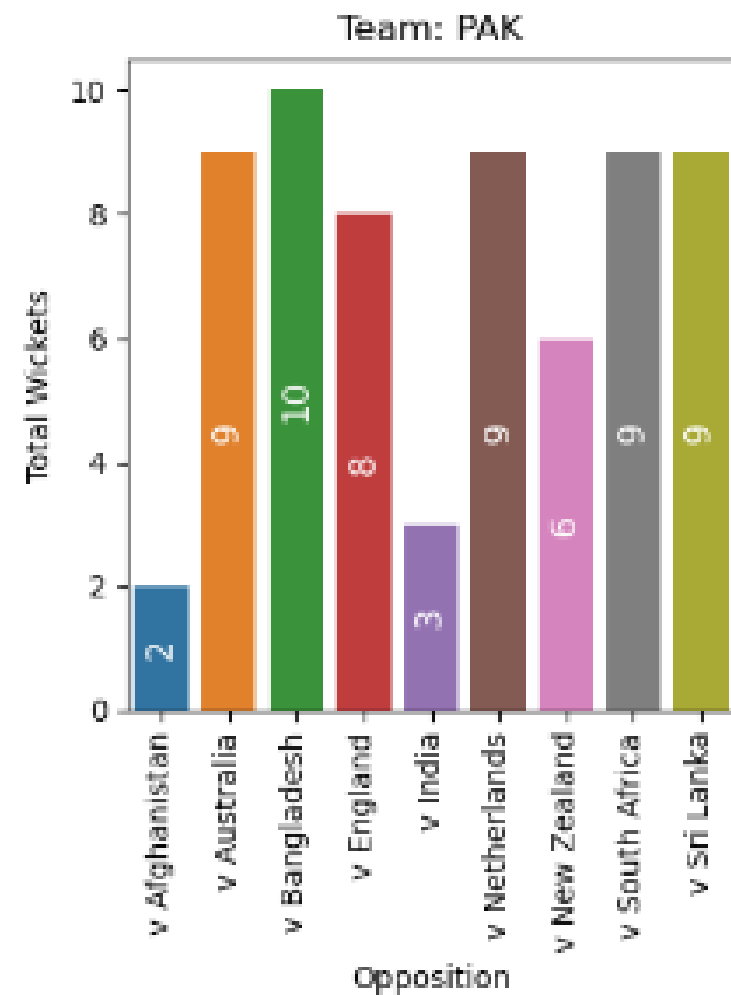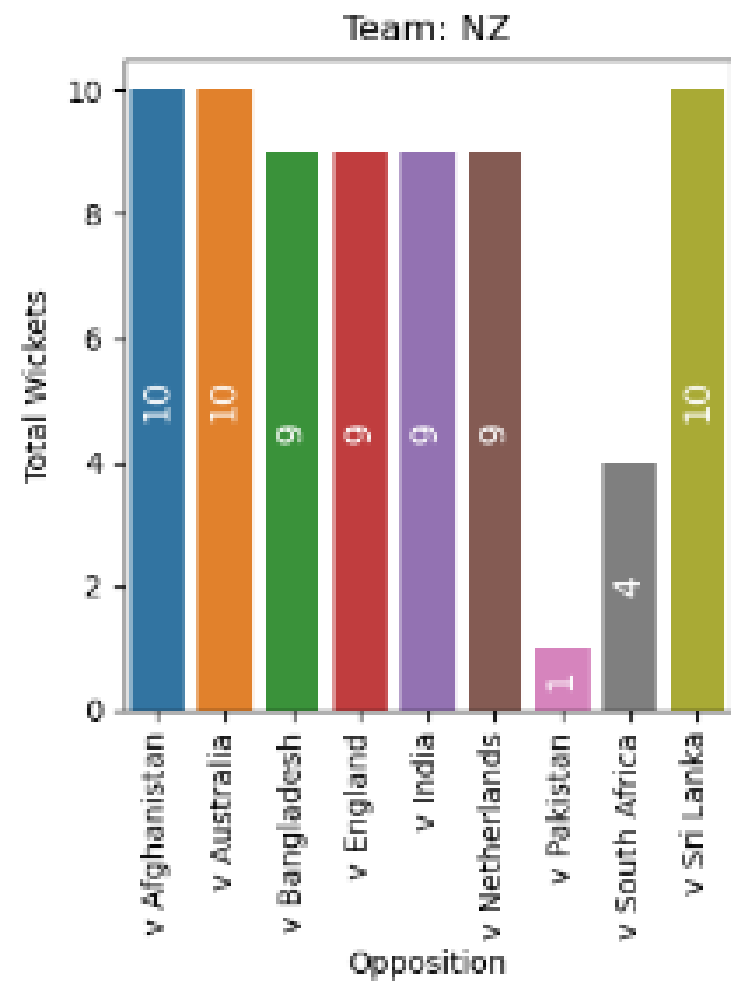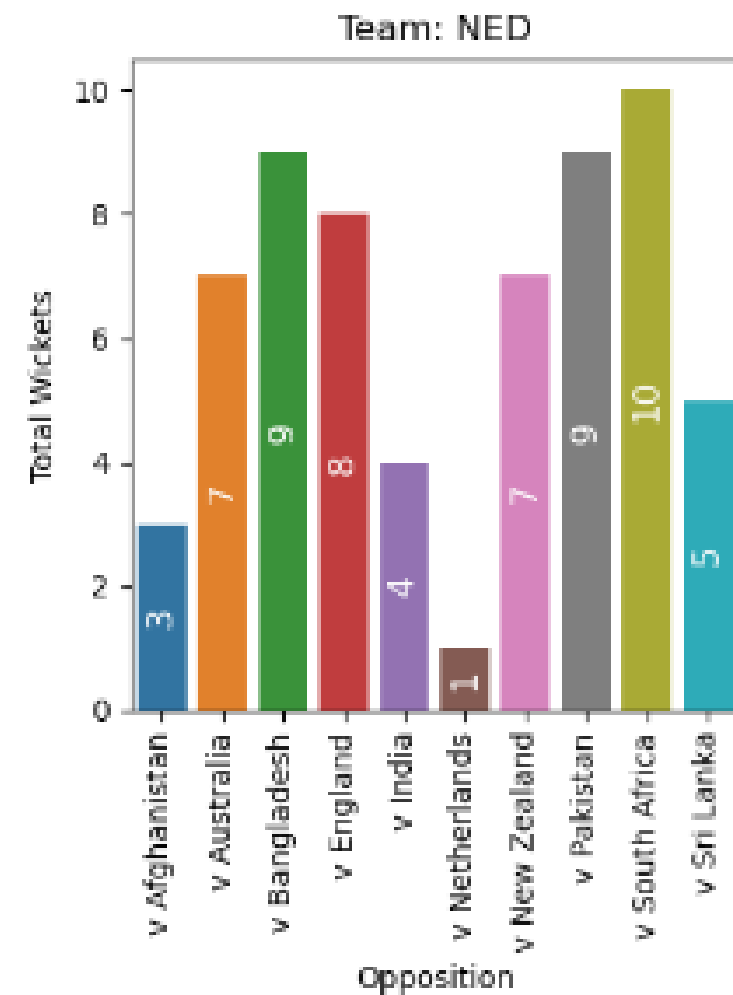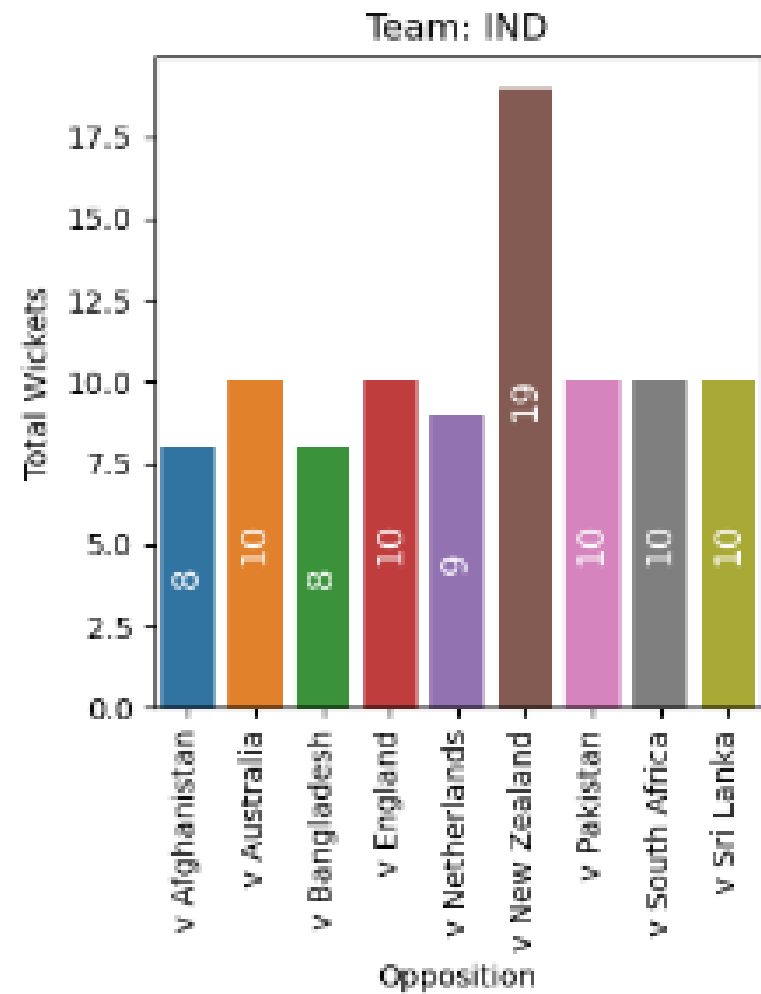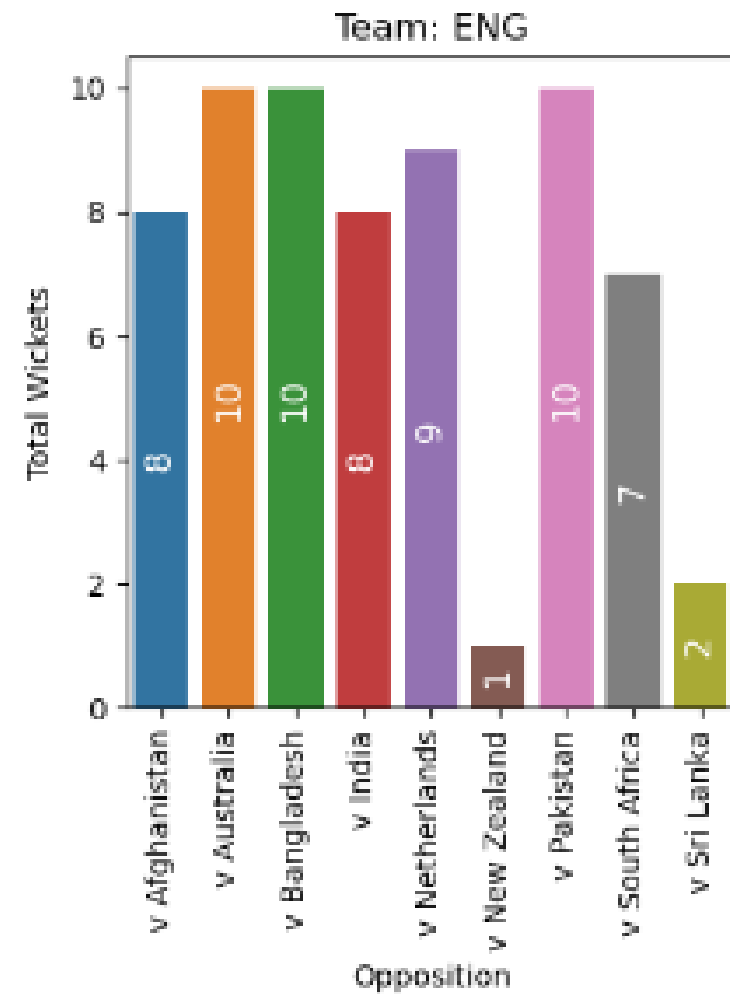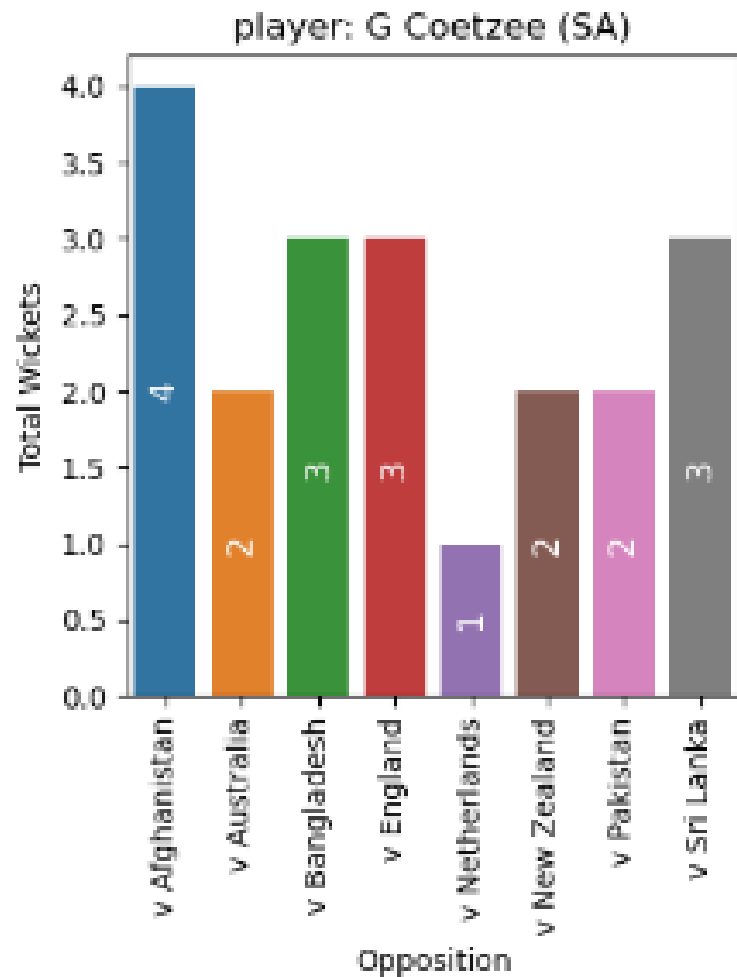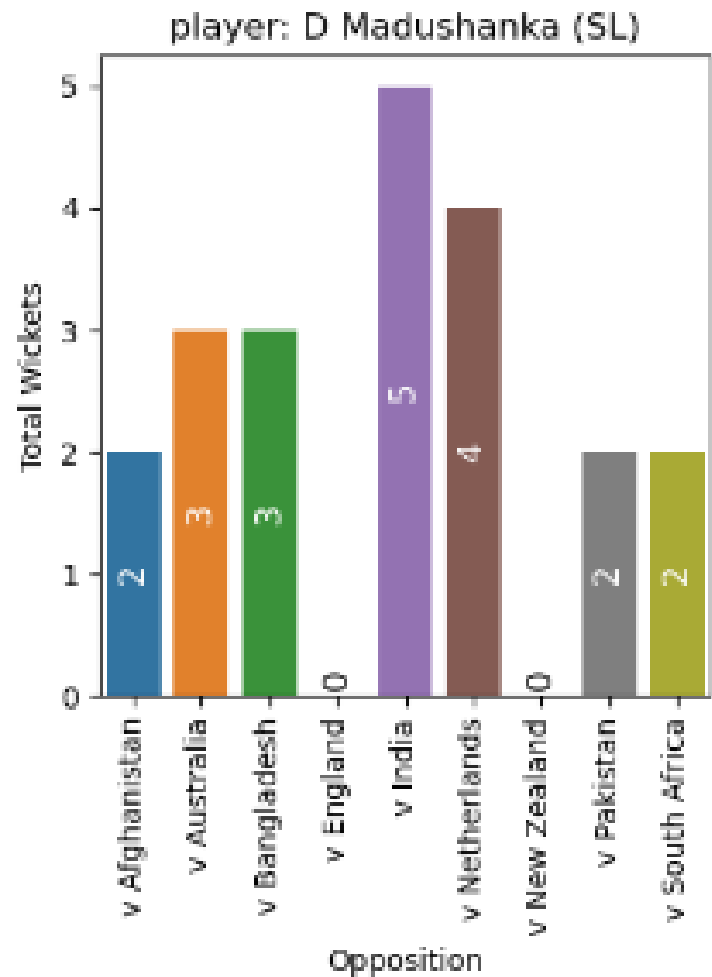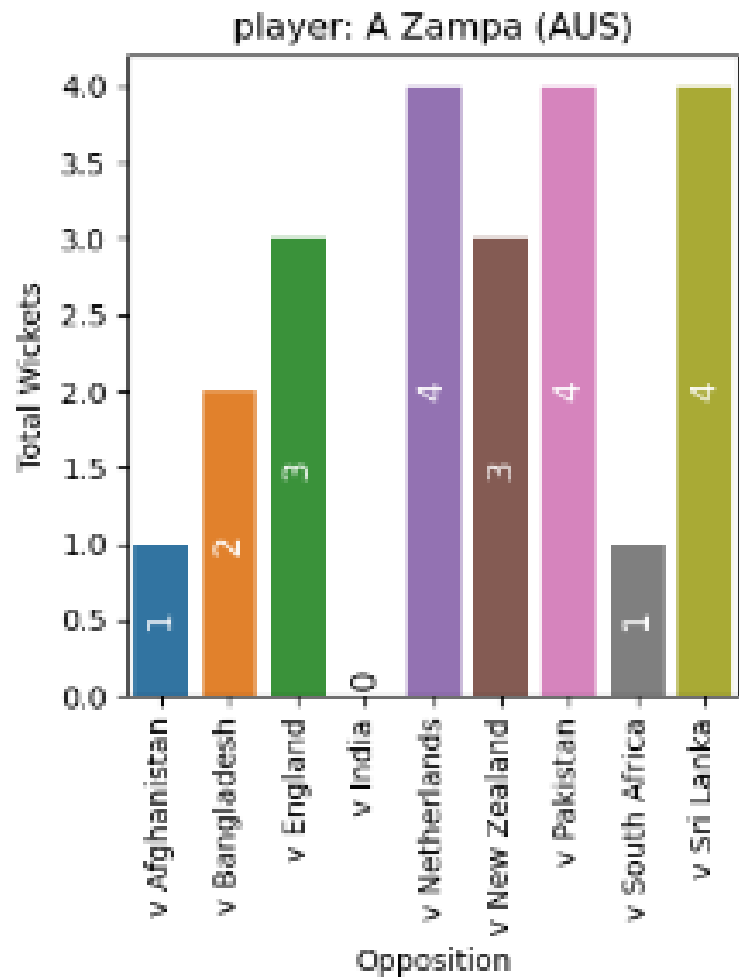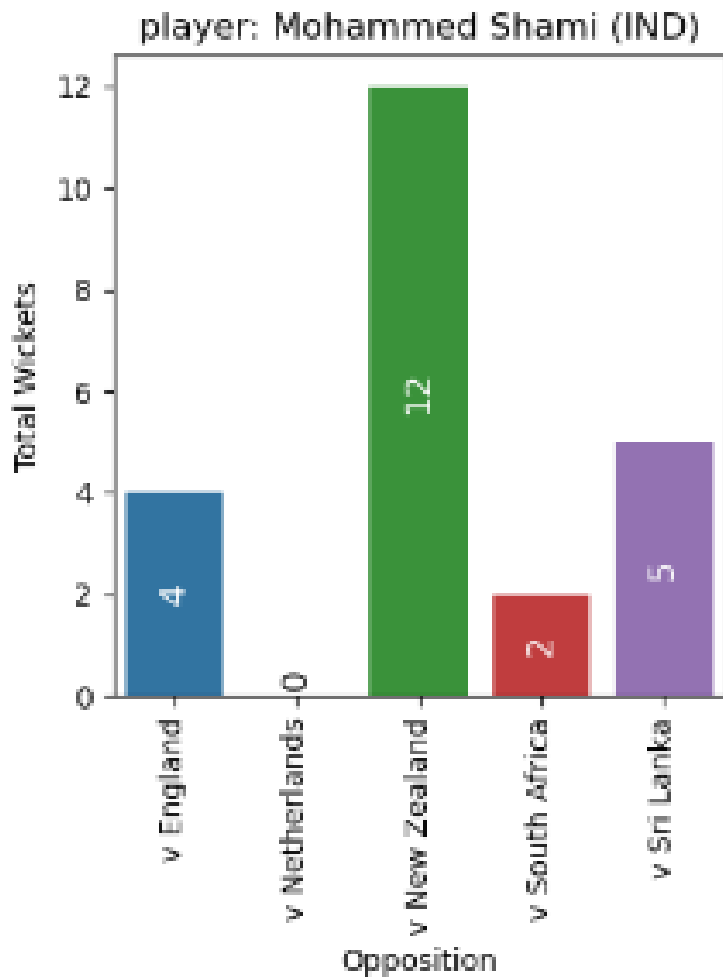
Total Runs Scored by Top 10 Run Scorers Against Different Oppositions

Total Wickets Scored by Top 10 Wicket Takers Against Different Oppositions
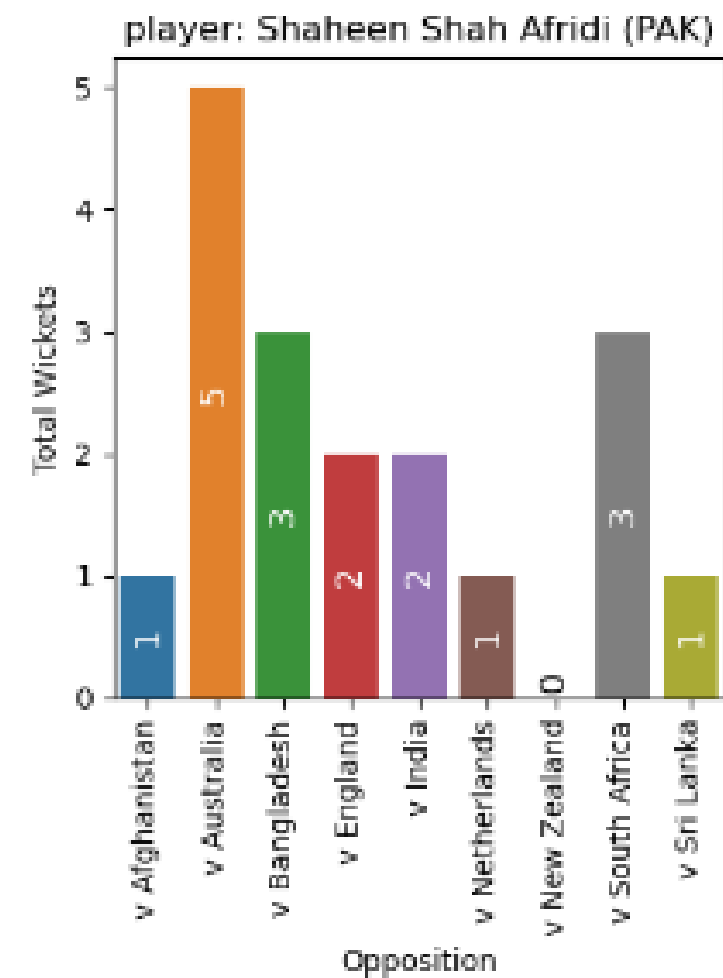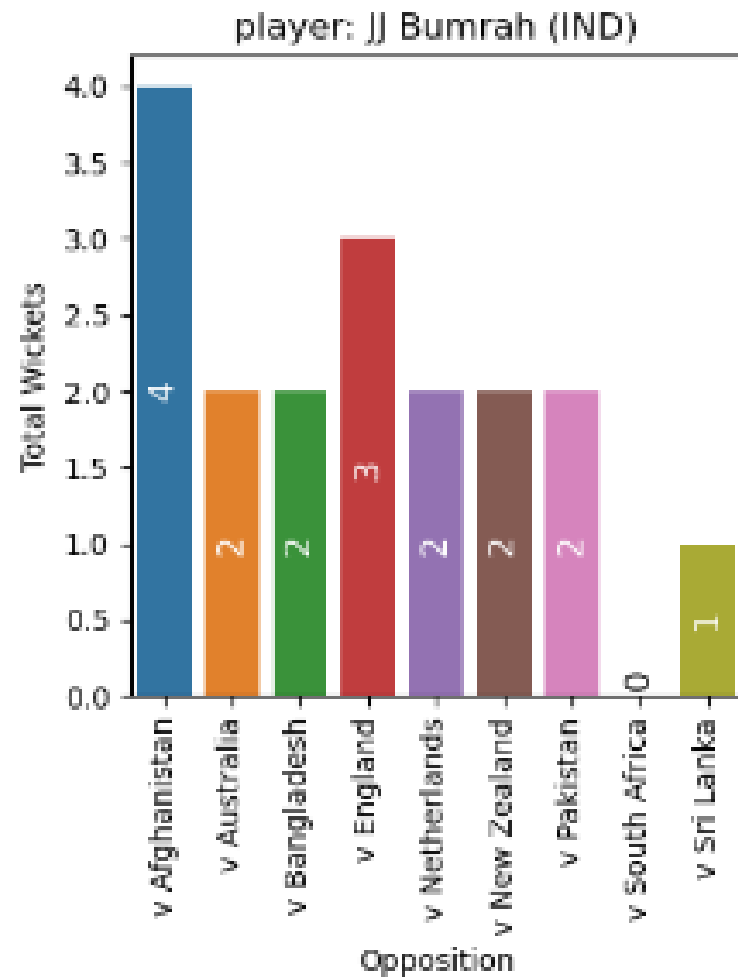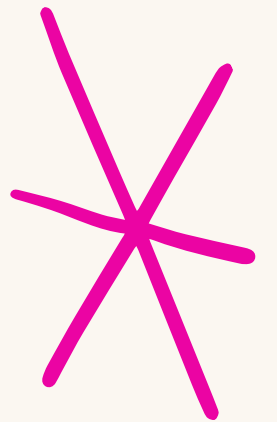
CONCLUSIONS

THIS EXPLORATORY DATA ANALYSIS OF THE WORLD CUP 2023 DATASET WILL OFFER INSIGHTS INTO TEAM AND PLAYER DYNAMICS. PRESENTING FINDINGS CLEARLY, SHOWCASING ANALYTICAL SKILLS AND THE ABILITY TO DRAW MEANINGFUL CONCLUSIONS. THIS PROJECT ENHANCED MY DATA ANALYSIS CAPABILITIES AND DEEPENS UNDERSTANDING OF CRICKET STATISTICS IN A COMPETITIVE SPORTING CONTEXT.

THANK YOU!

BY ML INTERN ROSHANE GOHAR