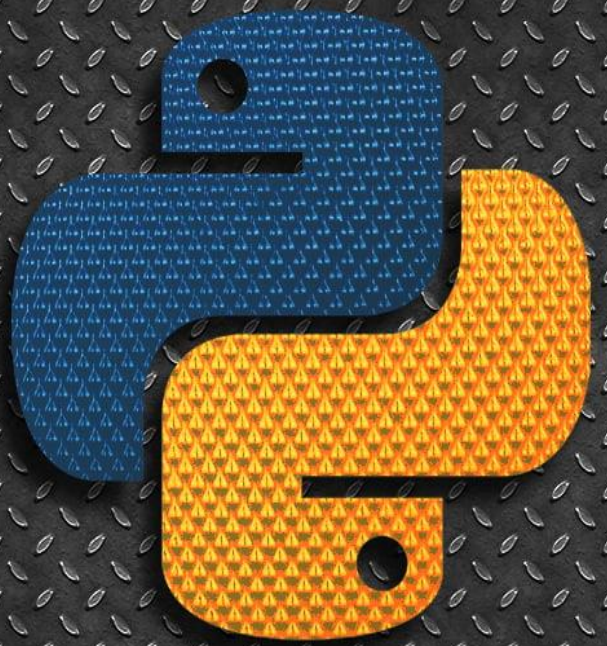
IPL Data Analysis Using Python



Presented By
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Topic Overview:

We are Analyzing the data of IPL from the Year 2008 – 2019

Data Collection :

We have collected the Dataset from:

kaggle™

Software Used :

- Jupyter Notebook

Flow Chart Of The Project :

Dataset

Taking Data

Loading Data into Jupyter Notebook

Analysing the data

Creating Report

Libraries Used :

- NumPy : NumPy is a Python library that provides a simple yet powerful data structure : the n-dimensional array .This is the foundation on which almost all the power of Python's Data Science toolkit is built.
- Pandas : Pandas is a Python library mainly used for data analysis .Pandas allows importing data from various file formats such as comma separated values.
- Matplotlib : Matplotlib is a comprehensive library for creating static ,animated ,and interactive visualization in Python.
- Seaborn : Seaborn is a Python data visualization library based on matplotlib .It provides a high-level interface for drawing attractive and informative statistical graphics.

Reports After Analyzing The Dataset from 2008-2019

1. MATCH WON BY THE MAXIMUM MARGIN OF RUNS IN THE IPL SEASON 2008-2019

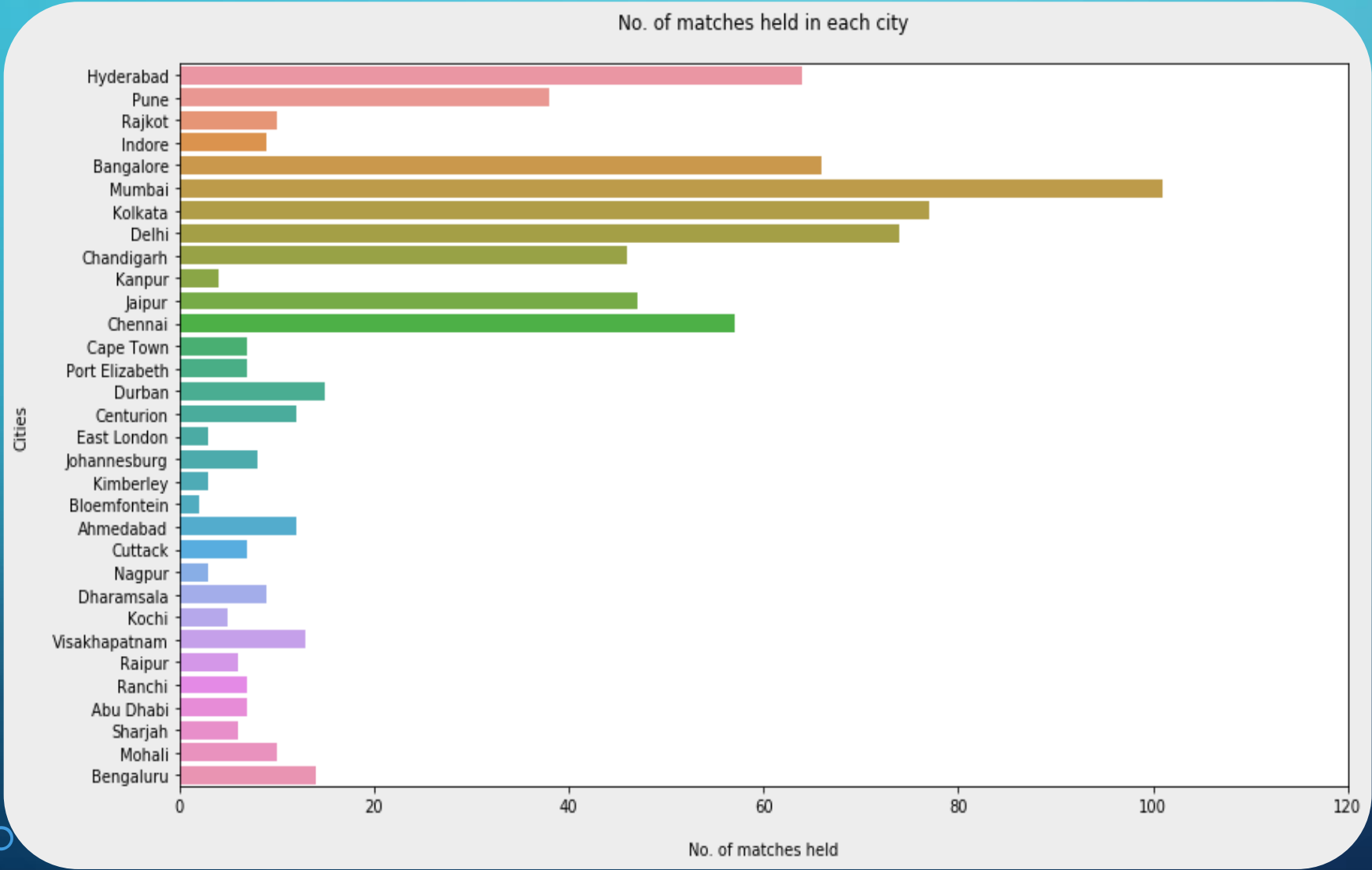
We have found that , Match Won By The Maximum Margin Of Runs was 146 in the IPL season 2017. The Match was between Mumbai Indians and Delhi Daredevils.

Match Result: Mumbai Indians won by 146 runs

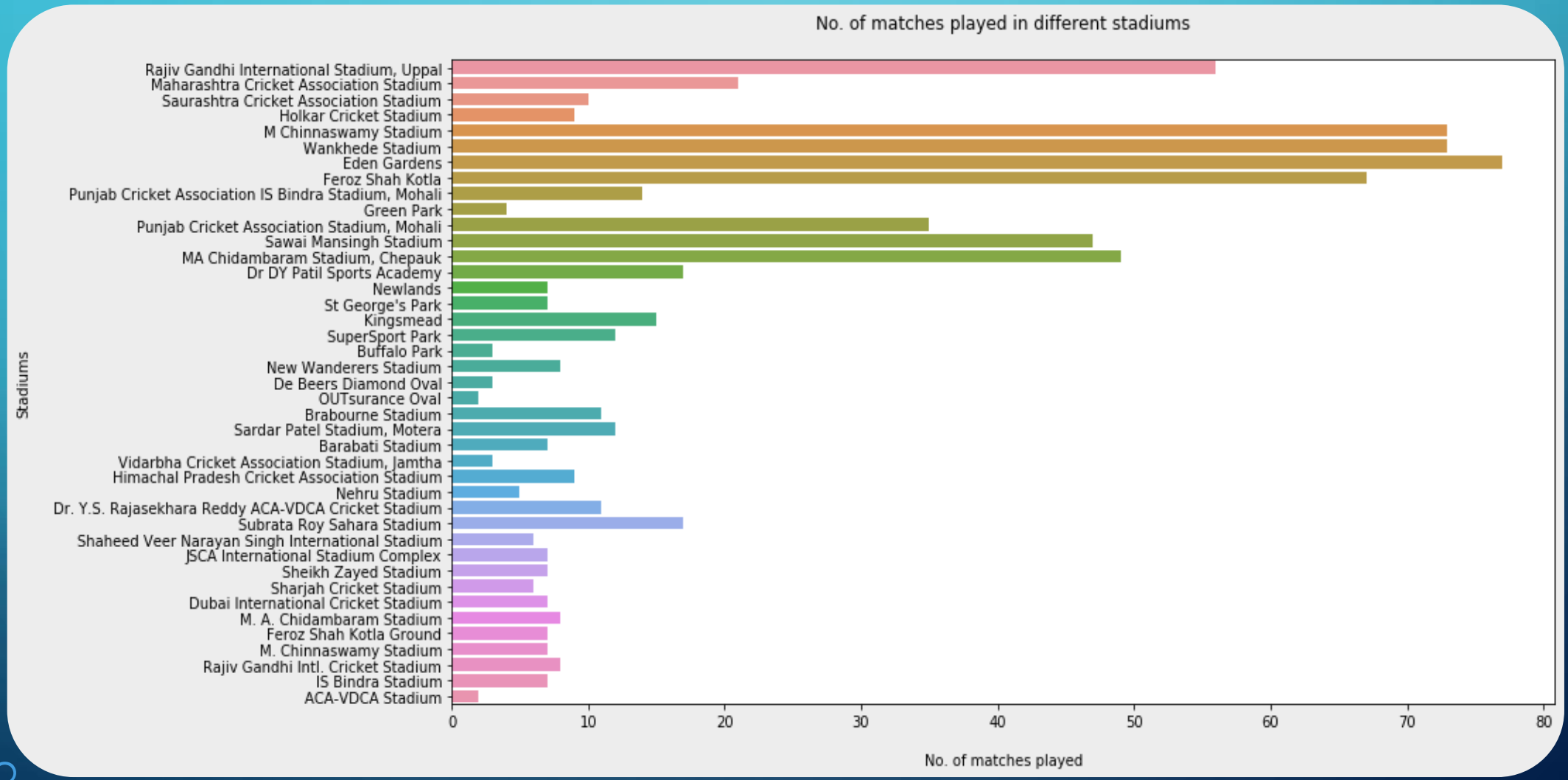
id	44
season	2017
city	Delhi
date	2017-05-06
team1	Mumbai Indians
team2	Delhi Daredevils
toss_winner	Delhi Daredevils
toss_decision	field
result	normal
dl_applied	0
winner	Mumbai Indians
win_by_runs	146
win_by_wickets	0
player_of_match	LMP Simmons
venue	Feroz Shah Kotla
umpire1	Nitin Menon
umpire2	CK Nandan
umpire3	NaN

Name: 43, dtype: object

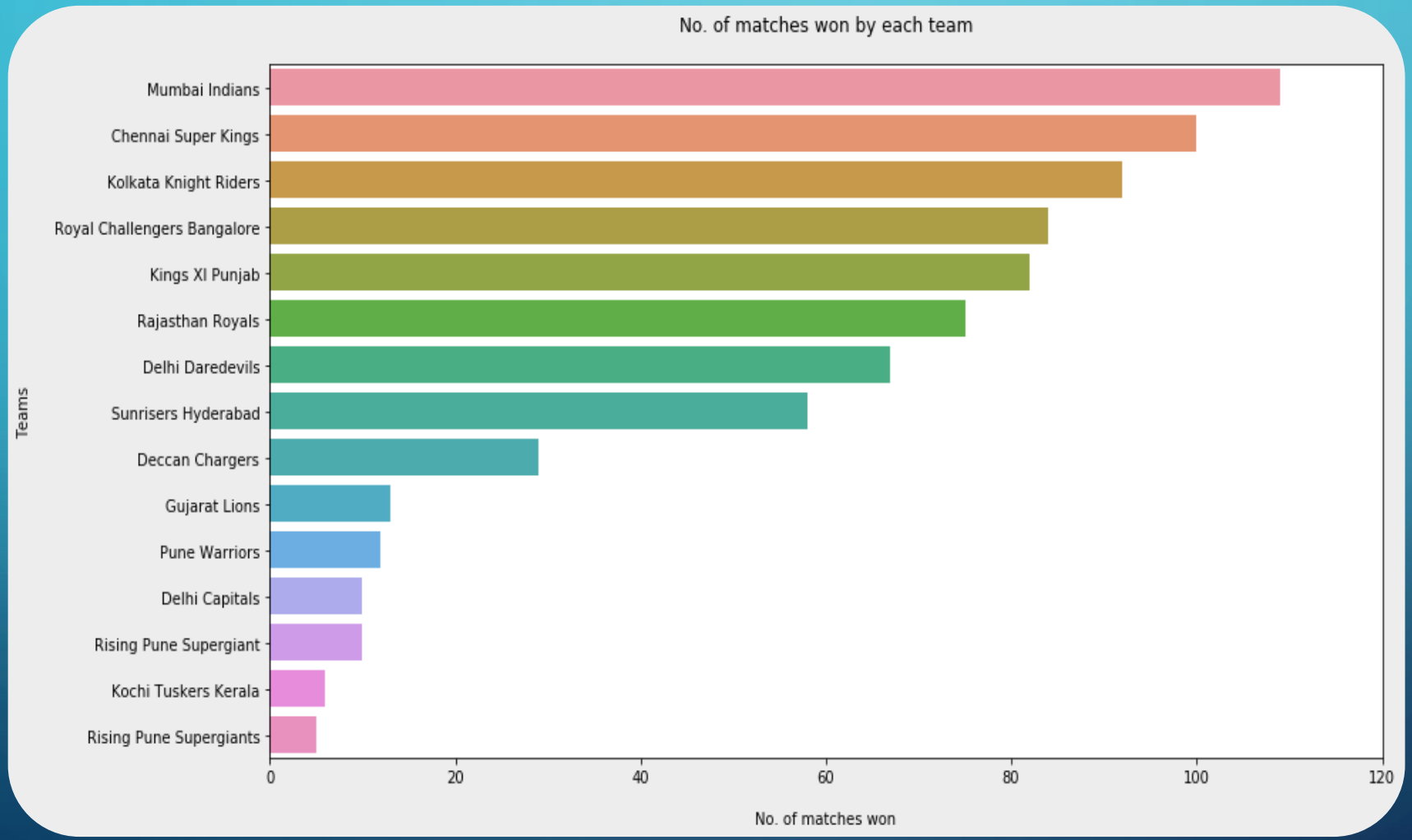
2. NO. OF MATCHES HELD IN EACH CITY



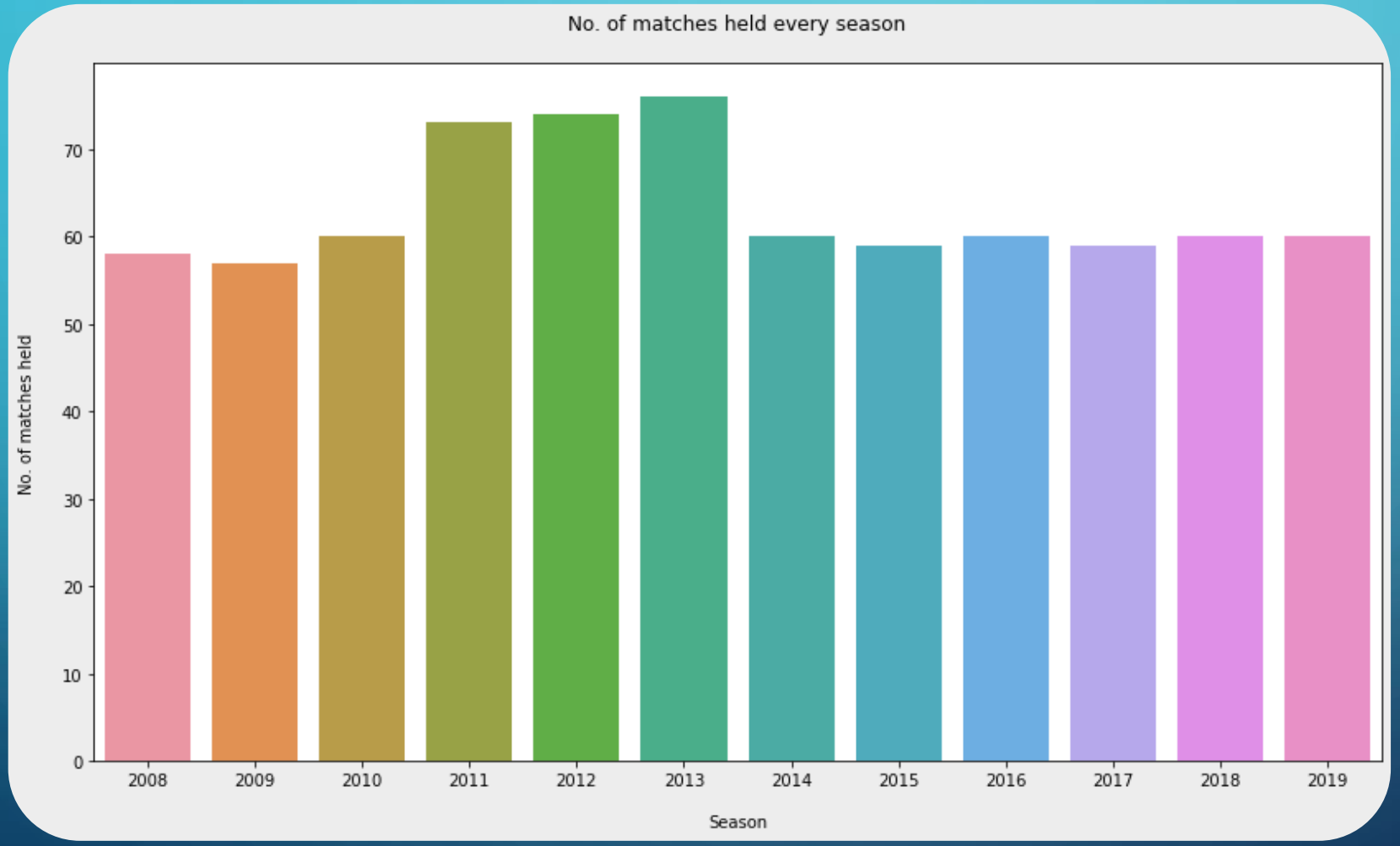
3. NO. OF MATCHES PLAYED IN DIFFERENT STADIUMS

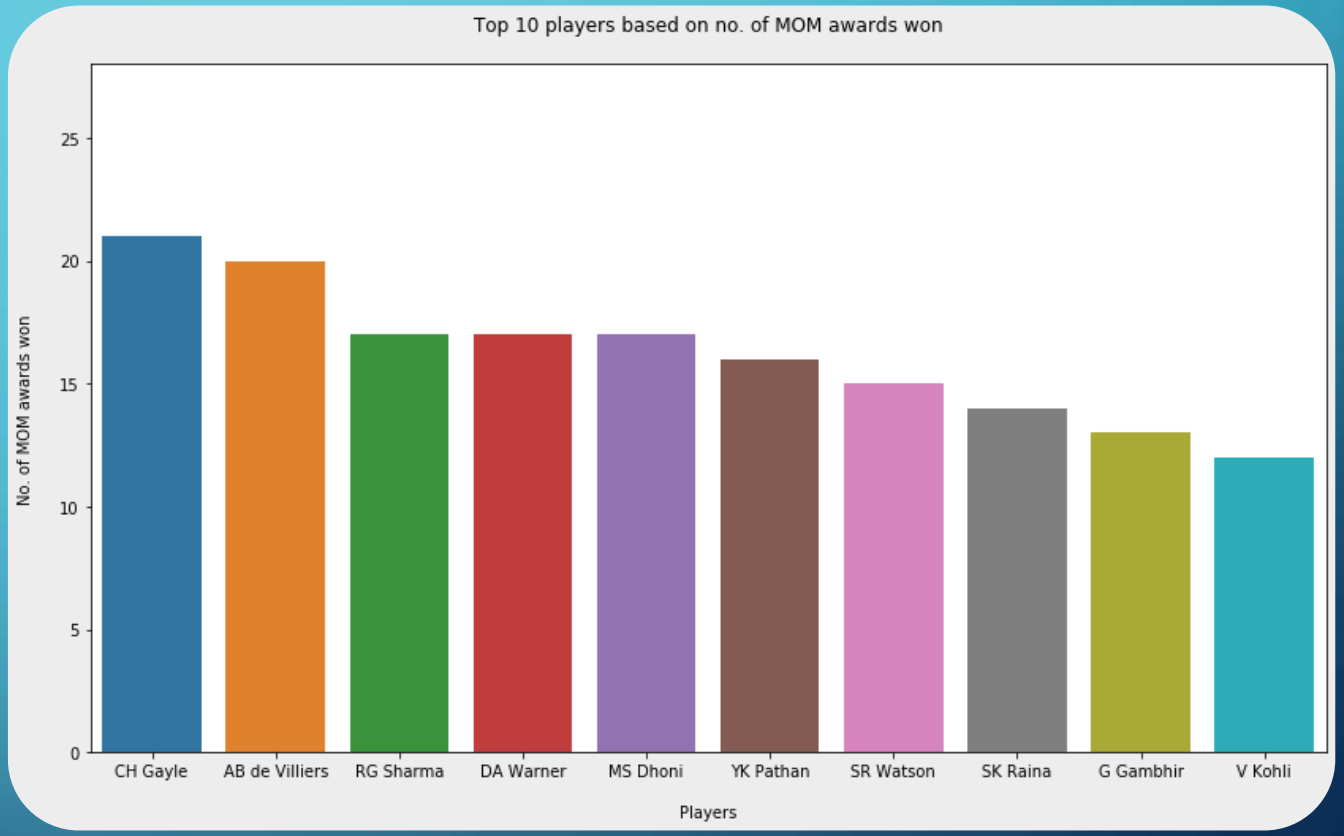


4. NO. OF MATCHES WON BY EACH TEAM



5. NO. OF MATCHES HELD EVERY SEASON



6. TOP 10 PLAYERS BASED ON THE NO. OF MAN OF MATCH (MOM) AWARDS WON

CH Gayle	21
AB de Villiers	20
RG Sharma	17
DA Warner	17
MS Dhoni	17
YK Pathan	16
SR Watson	15
SK Raina	14
G Gambhir	13
V Kohli	12