Peek into Indian Premier League
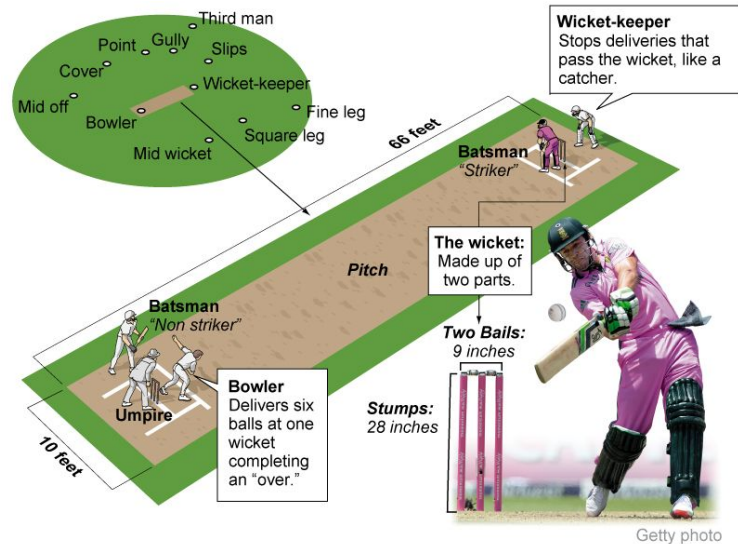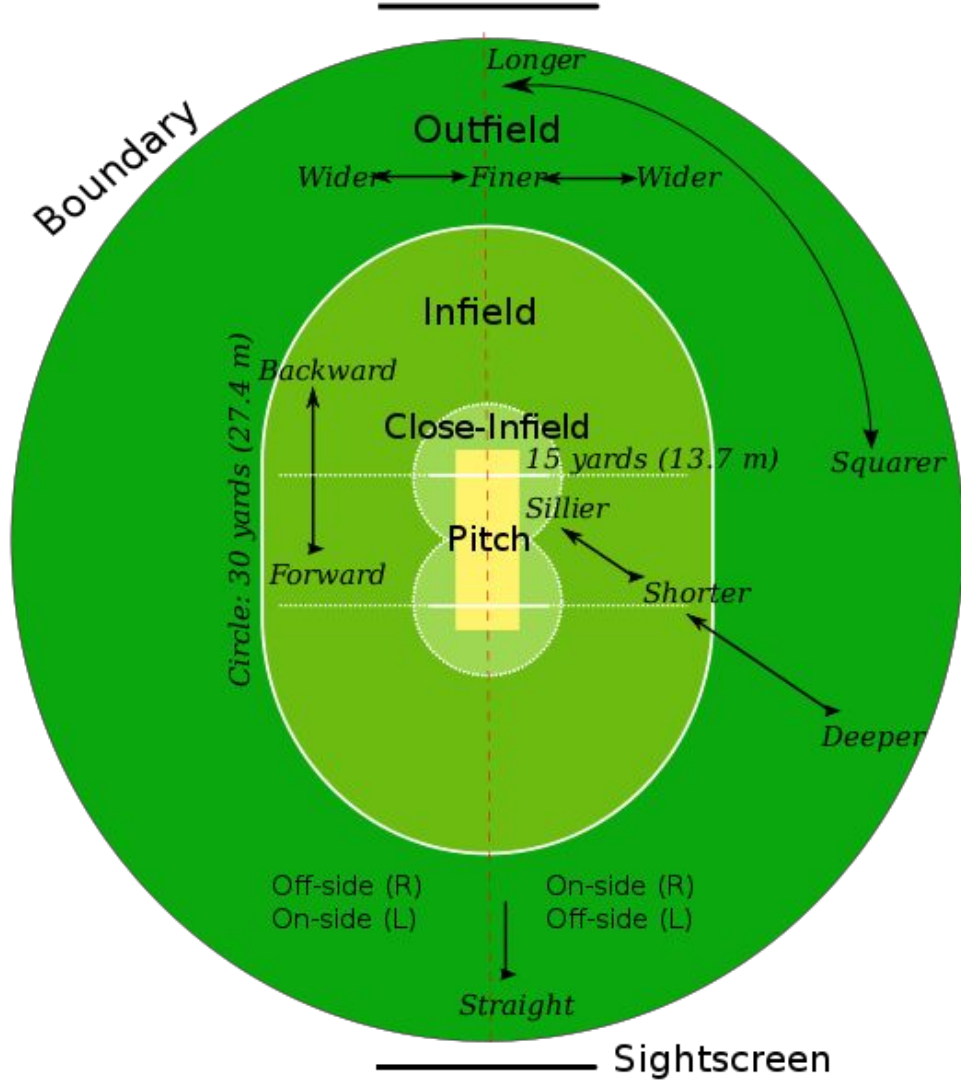
Anjani Bajaj & Bhargavi Kommineni

https://bkommineni.github.io/DataVisualization-FinalProject/

Presentation Link

Introduction

Boundary

Longer

Outfield

Wider ← Finer → Wider

Infield

Circle: 30 yards (27.4 m)

Backward

Close-Infield

15 yards (13.7 m)

Squarer

Sillier

Pitch

Forward

Shorter

Deeper

Off-side (R)
On-side (L)

On-side (R)
Off-side (L)

Straight

Sightscreen

Third man

Point   Gully   Slips

Cover

Mid off   Bowler   Wicket-keeper

Fine leg

Square leg

Mid wicket

Wicket-keeper
Stops deliveries that pass the wicket, like a catcher.

66 feet

Batsman
"Striker"

Batsman
"Non striker"

The wicket:
Made up of two parts.

Two Bails:
9 inches

Umpire

Bowler
Delivers six balls at one wicket completing an "over."

Pitch

Stumps:
28 inches

10 feet

Getty photo

Formats of Cricket

- Innings

  - One of the divisions of a match during which one team takes its turn to bat

- Overs

  - An over is a set of six balls bowled from one end of a cricket pitch

Formats of Cricket

Goal of the Project

The goal of this project is to efficiently visualize the cricket data i.e. data about performance of the players and IPL matches for over 10 years (2008-2017) and identify if there exists some trends.

Data & Processing

- Matches.csv

- Deliveries.csv

- Grouped data by teams for each year using python

Kolkata Knight Riders

Deccan Chargers

Delhi Daredevils

Mumbai Indians

Kochi Tuskers Kerala

Kings XI Punjab

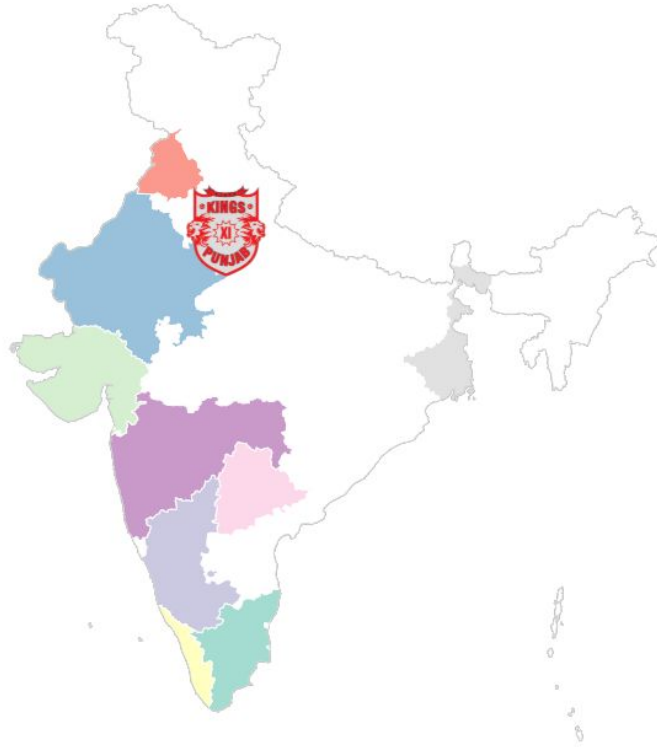**Chennai Super Kings**

Rajasthan Royals

Royal Challengers Bangalore

Pune Warriors India

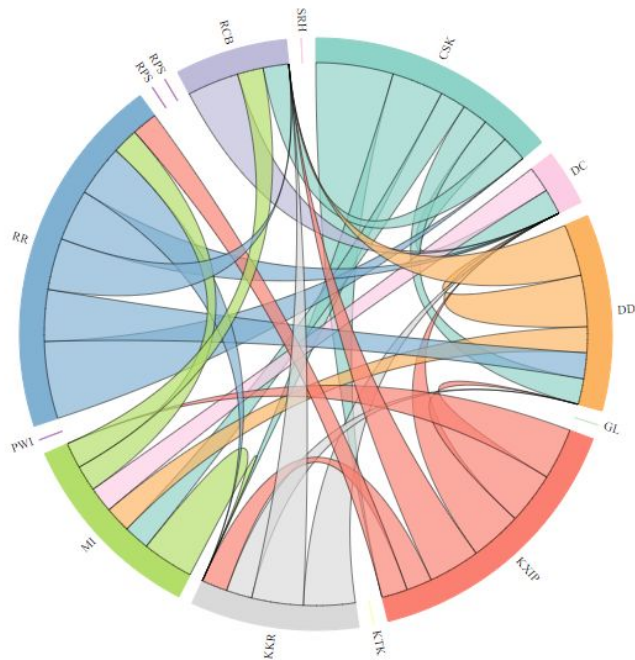# Demo: Regional Teams with Map

Geographical distribution of teams across India

Demo: Chord Diagram

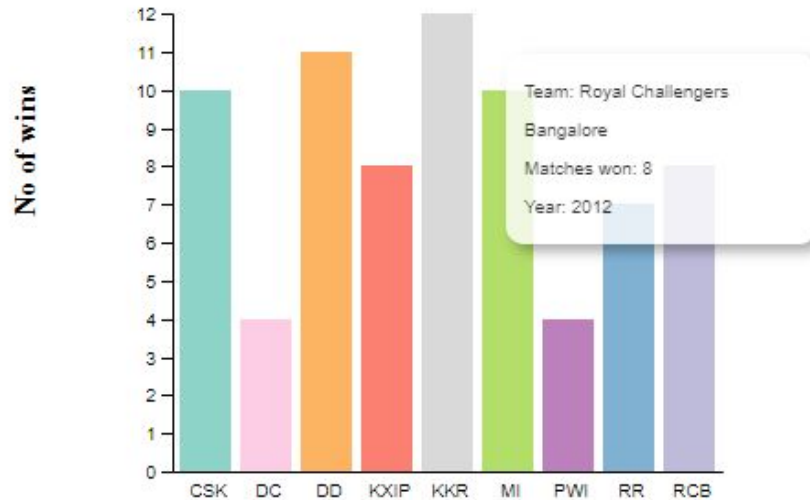Compartive view of match wins across teams in a season

2008 ▼

Team level Analysis: Bar Chart
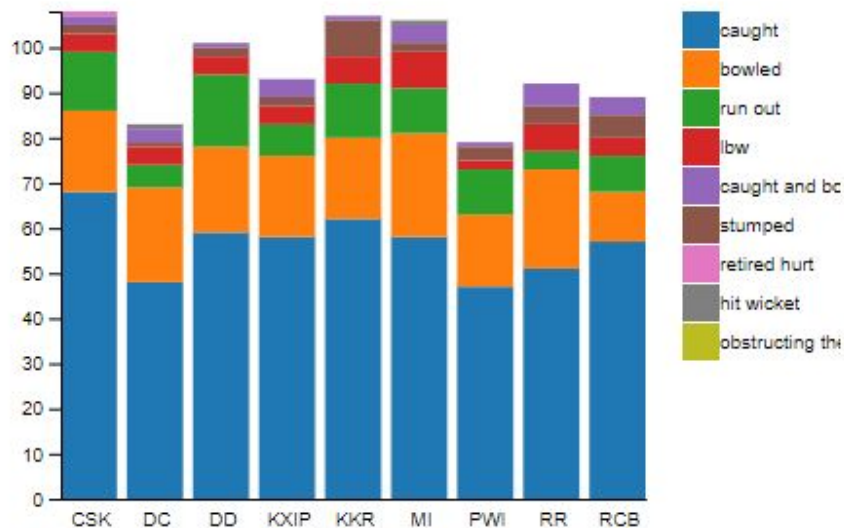

Analysis of matches won by teams in a season

2012 ▼

Team: Royal Challengers
Bangalore
Matches won: 8
Year: 2012

No of wins

CSK DC DD KXIP KKR MI PWI RR RCB

Team level Analysis: Stacked Bar Chart

Analysis of dismissal types across teams in a season

Team Level Analysis: Line Trends

Trend line of a team across seasons

Chennai Super Kings ▼

Team: Chennai Super Kings

Matches Won: 10

Year: 2012

Player Level Analysis: Line Trends

Trend line of a batsman across seasons
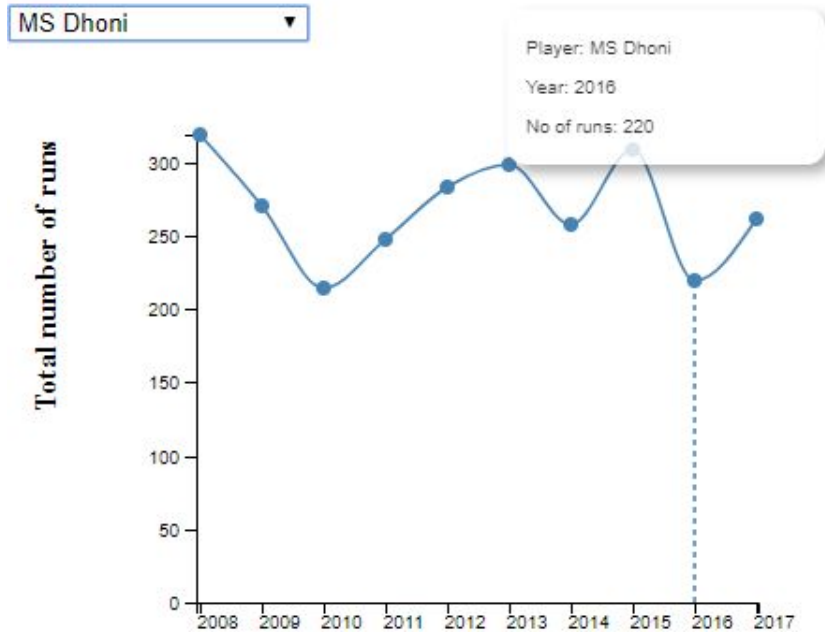
Player Level Analysis: Scatter Plot

Distribution of runs scored by a player across all seasons

Future work & Discussion