

# Visualisation Project

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Link to the dashboard: [https://mohitsm18.shinyapps.io/Visualisation\\_Project/](https://mohitsm18.shinyapps.io/Visualisation_Project/)

Link to the video: <https://youtu.be/Q6hw5R9I7KU>

DATA DESCRIPTION: The data set contains the following information about matches played in the IPL from 2008 to 2019 except those abandoned without a ball being bowled: Teams involved Venue and City Toss and Result Winner and Win margin Officials involved Player of the match

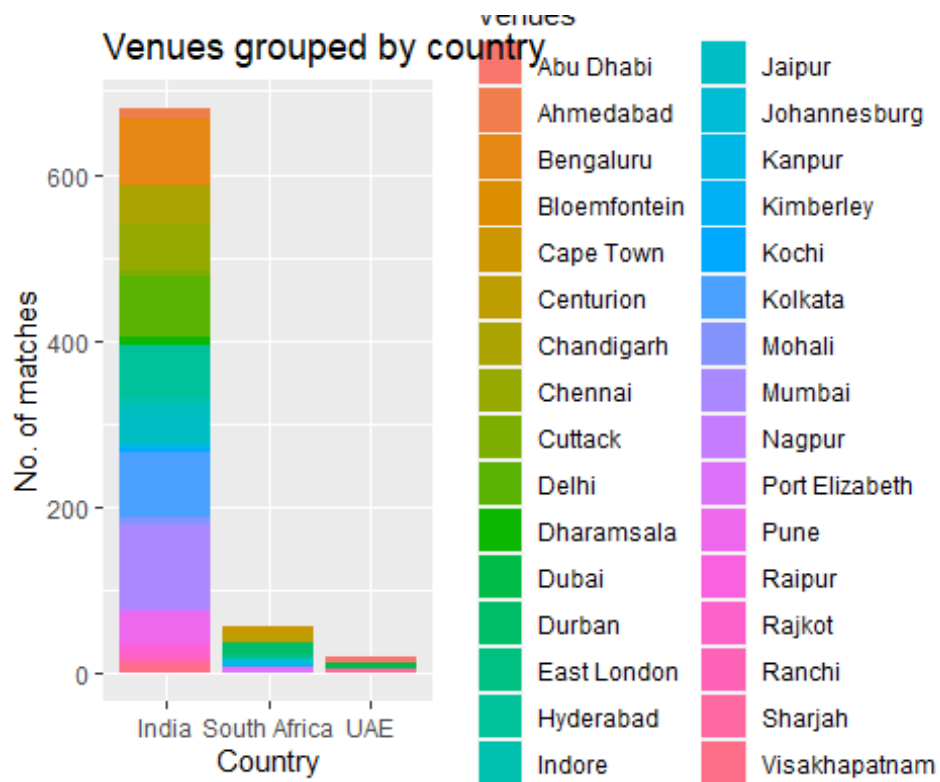
number of matches played in the IPL from 2008 to 2019 except those abandoned without a ball being bowled

```
## [1] 756
```

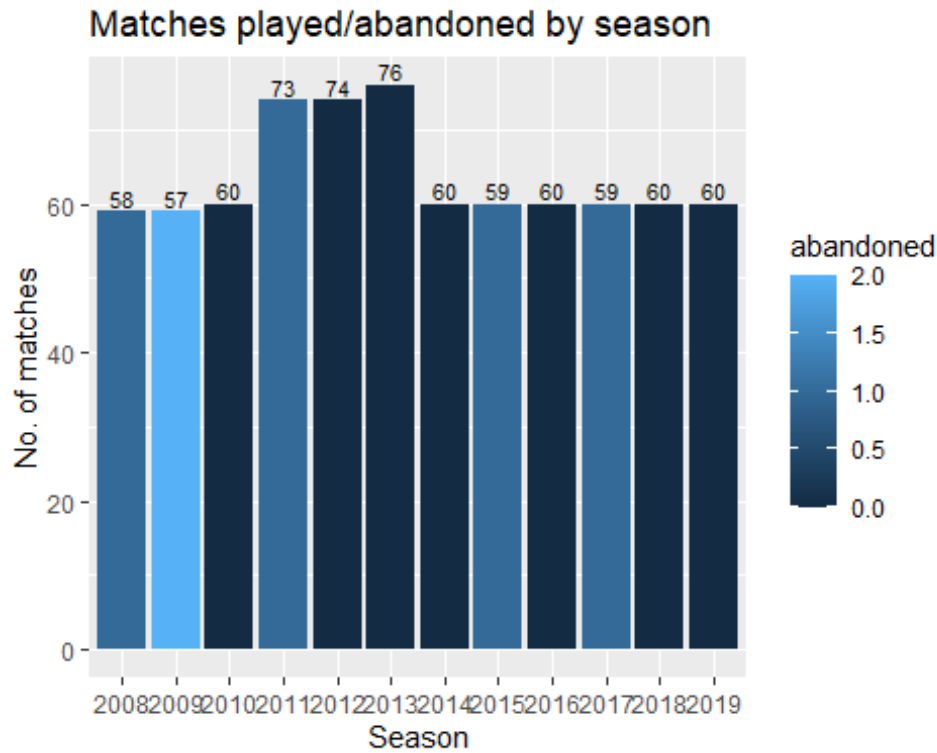
how the data looks like:

```
##   season   city   date   team1
## 1  2008  Bengaluru 04-18-2008 Kolkata Knight Riders
## 2  2008 Chandigarh 04-19-2008 Chennai Super Kings
## 3  2008   Delhi 04-19-2008 Rajasthan Royals
## 4  2008   Mumbai 04-20-2008 Mumbai Indians
## 5  2008  Kolkata 04-20-2008 Deccan Chargers
## 6  2008   Jaipur 04-21-2008 Kings XI Punjab
##                                     team2      toss_winner toss_decision
result
## 1 Royal Challengers Bangalore Royal Challengers Bangalore      field
normal
## 2                Kings XI Punjab      Chennai Super Kings      bat
normal
## 3                Delhi Daredevils      Rajasthan Royals      bat
normal
## 4 Royal Challengers Bangalore                Mumbai Indians      bat
normal
## 5      Kolkata Knight Riders                Deccan Chargers      bat
normal
## 6                Rajasthan Royals      Kings XI Punjab      bat
normal
##   dl_applied      winner win_by_runs win_by_wickets
## 1          0 Kolkata Knight Riders      140          0
## 2          0 Chennai Super Kings      33          0
## 3          0 Delhi Daredevils      0          9
## 4          0 Royal Challengers Bangalore      0          5
```

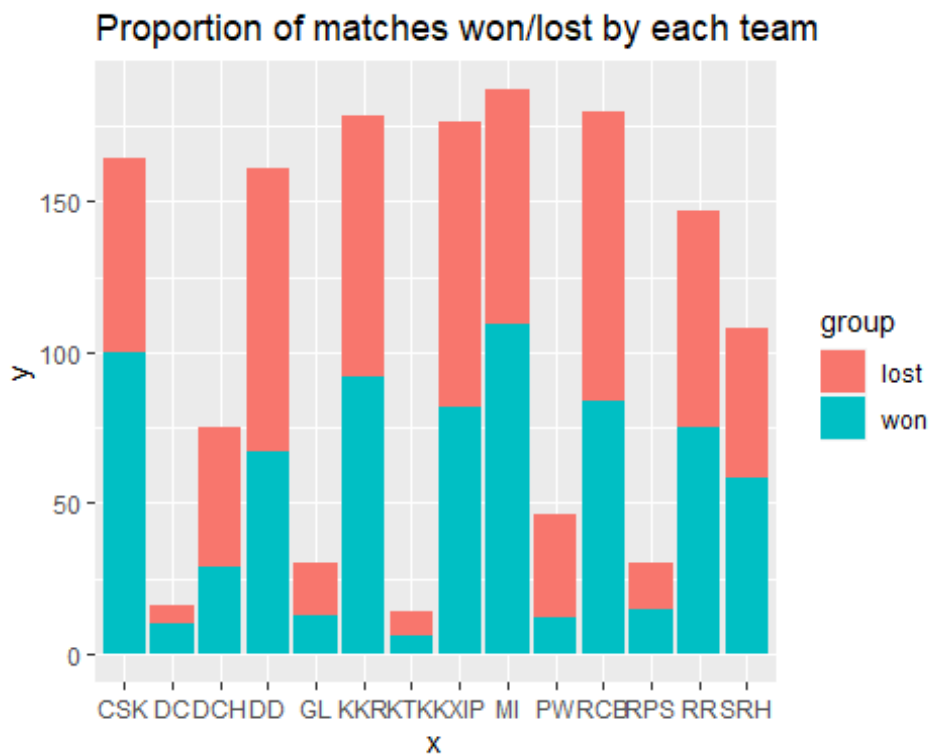
```
## 5      0      Kolkata Knight Riders      0      5
## 6      0      Rajasthan Royals      0      6
##  player_of_match      venue      umpire1
## 1      BB McCullum      M Chinnaswamy Stadium Asad Rauf
## 2      MEK Hussey Punjab Cricket Association Stadium, Mohali MR Benson
## 3      MF MaharooF      Feroz Shah Kotla Aleem Dar
## 4      MV Boucher      Wankhede Stadium SJ Davis
## 5      DJ Hussey      Eden Gardens BF Bowden
## 6      SR Watson      Sawai Mansingh Stadium Aleem Dar
##      umpire2
## 1      RE Koertzen
## 2      SL Shastri
## 3      GA Pratapkumar
## 4      DJ Harper
## 5      K Hariharan
## 6      RB Tiffin
```



Above is a visual representation of the different venues and the amount of cricket played

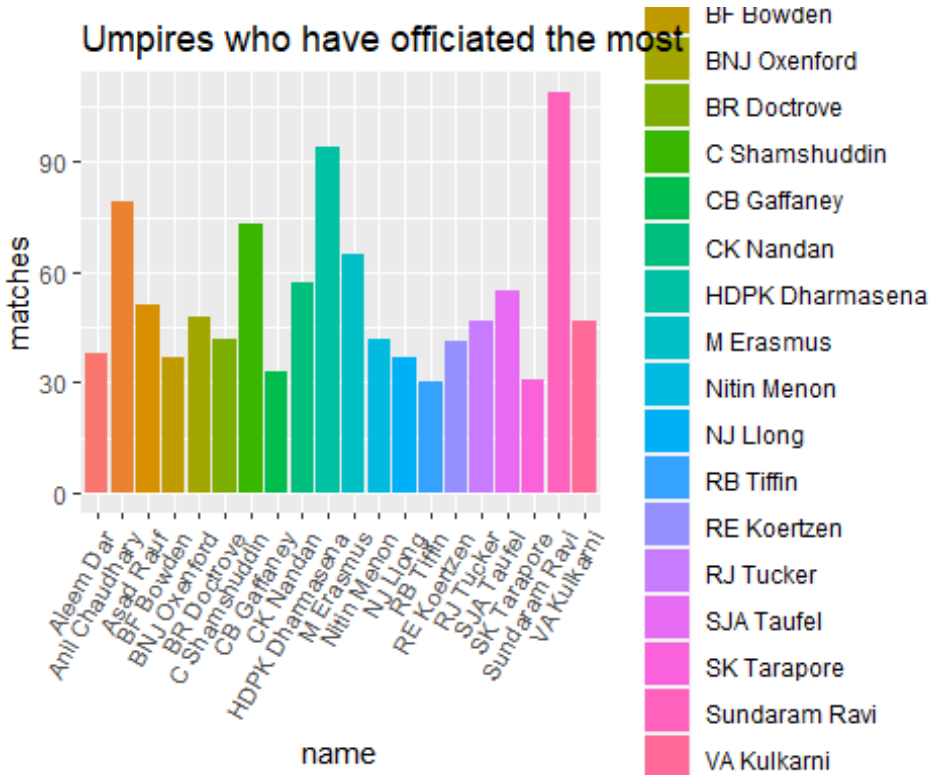


The visual shows the no. of matches played or completely abandoned per season

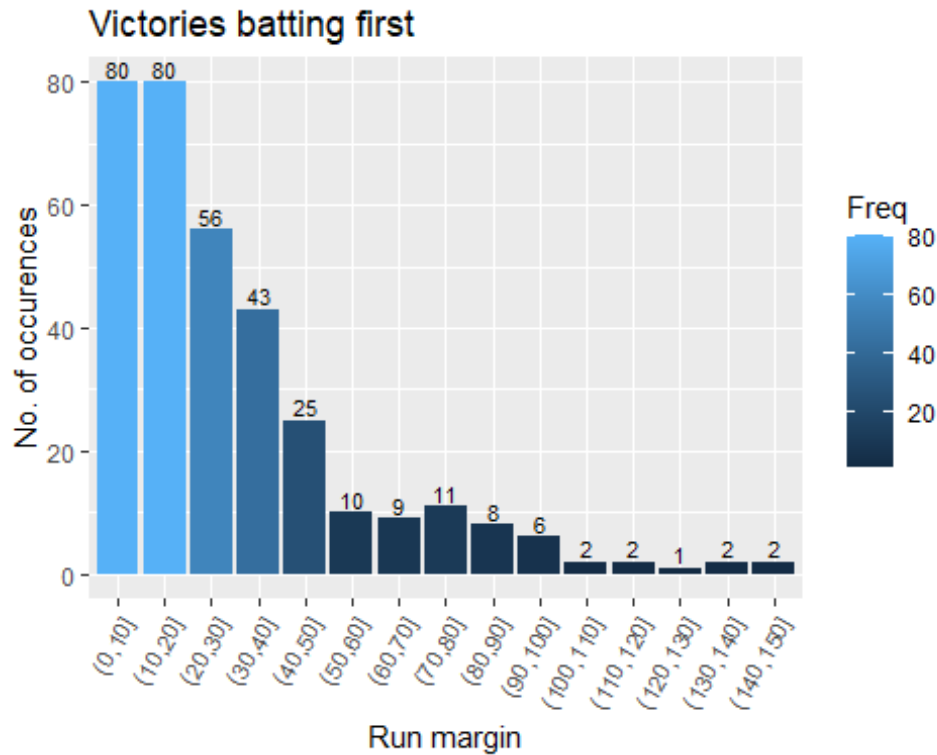


The visual clearly shows how CSK and MI have been consistent and successful over the years, DC too has a high proportion of success but over a very small sample size. The now defunct teams

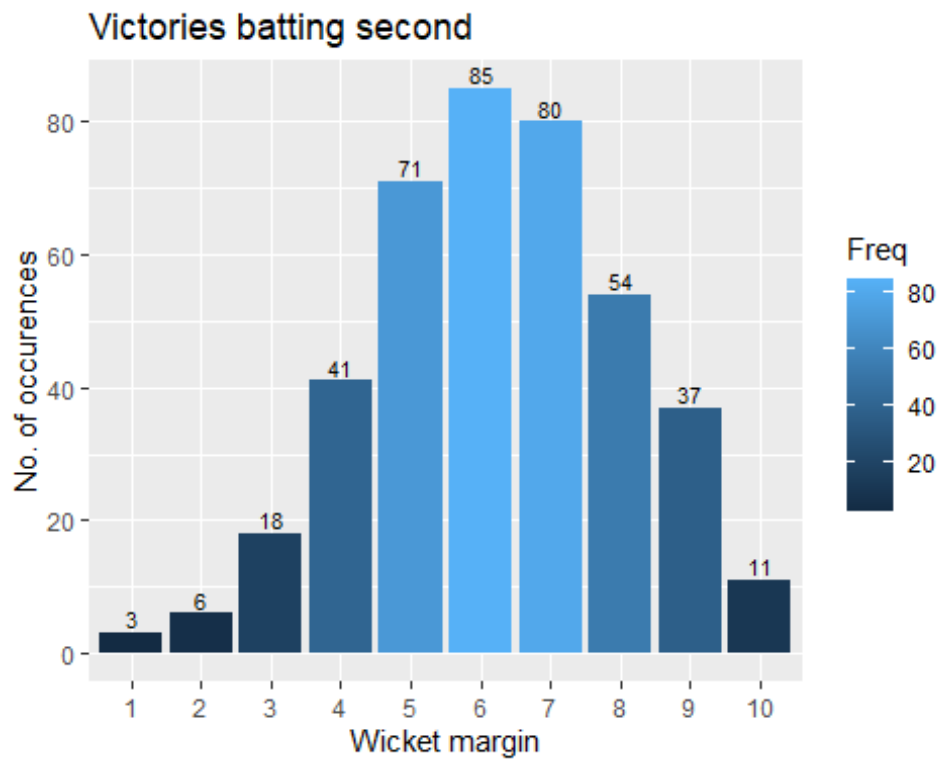
mostly had a poor record which contributed to the downfall of franchise. Some other teams like KKR, SRH and RR have always been mid-table with occasional titles which is reflected here. And then teams like KXIP and RCB are not too behind either but haven't been able to cross the final hurdle.



Majority of the umpires are elite panel umpires or have been elite panel umpires at their time. This is important as the level of umpiring goes a long way in contributing to the league's success.



Almost 50% of the victories batting first have been under 20 runs which shows the league's cut throat competition.



To the eye, it appears almost normally distributed which is manifested in the fact that good run chases

are usually completed with 5-6 wickets remaining. However, fiery bowling performances usually leave the opponent reeling despite not winning and vice-versa for cold bowling performances.

No. of non-decisive games in regulation time

```
## [1] 13
```

No. of tied matches

```
## [1] 9
```

CONCLUSION: IPL is indeed the most competitive league in the world with all its popularity and diversity. But it is also a launchpad for the youngsters no less. ## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
## 1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##   Mean  :15.4    Mean   : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
##   Max.  :25.0    Max.    :120.00
```

## Including Plots

You can also embed plots, for example: