

1 INTRODUCTION

1.1 Overview

Here we did Super Predictor of Indian Premier League project. Here we use a datasets of the games played to predict or find out the insights of the game. We use the IBM Cloud, IBM Watson Studio and IBM Cognos Analytics to graphically represent the achievements or failures or different stats of the team and the matches.

1.2 Purpose

Here the main purpose of this project is to predict or find out the different insights of the matches as well as the teams using the IBM Cognos Analytics providing the datasets required. This insights further can be used by different cricket panelists, prediction sites to view the insights at a glance.

2 LITERATURE SURVEY

2.1 Existing problem

Many programming languages like C, Java could have been used to solve this problems but it would have been very time consuming. The IBM Cognos Analytics made it easy to solve the problems and also in a time efficient way.

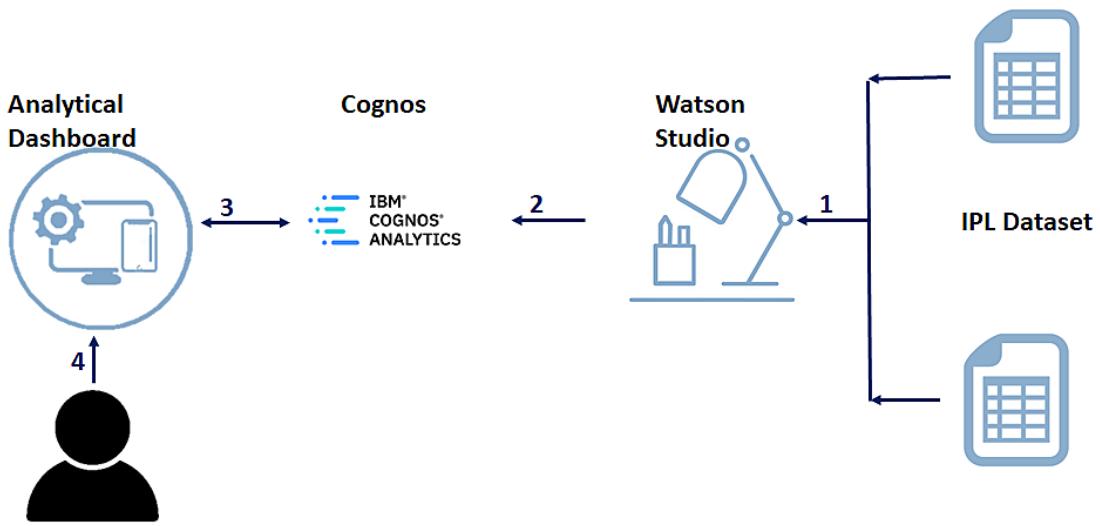
2.2 Proposed solution

At first, we have to upload the provided data on IPL to the cloud. Then we have to prepare the data by cleaning duplicate values on the dataset and if there were multiple datasets we would be connecting different resources together but it is not useful for us now. Next, we will explore the data by finding out unbiased answers like we will create a chart of teams that won the most number of matches and see how the chart is coming out and the accuracy of the data. We will check if any specific trend is going on in the dataset and identify it. Next, we will present the data on a dashboard using different charts and other methods.

Our work is to present the data in a graphical way such as for example if we have to present top scoring players in a match we will create calculation according to the data and present in a suitable graph and present it on the dashboard. Likewise we will present all the data

3 THEORITICAL ANALYSIS

3.1 Block diagram



3.2 Hardware / Software designing

We have used various softwares

- i.IBM Cloud
- ii.IBM Cognos Analytics
- iii.IBM Watson Studio
- iv.Chrome Browser

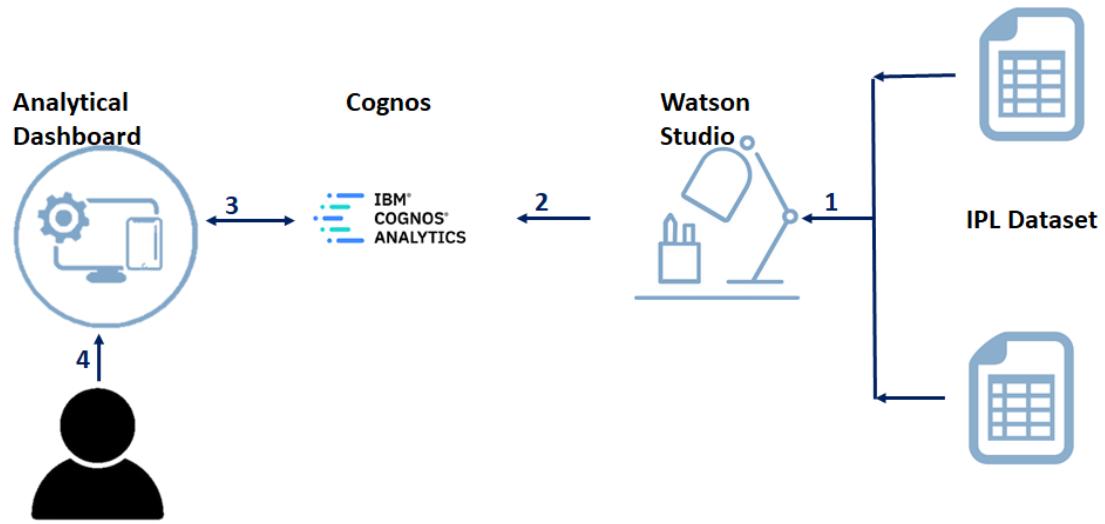
We have used laptop as a hardware

4 EXPERIMENTAL INVESTIGATIONS

Through this project we understood how to represent data on different visualizations like as we have presented our data in a dashboard on visualizations like column,bar,stacked bubble,stacked bar,stacked column,table etc.

5 FLOWCHART

Diagram showing the control flow of the solution

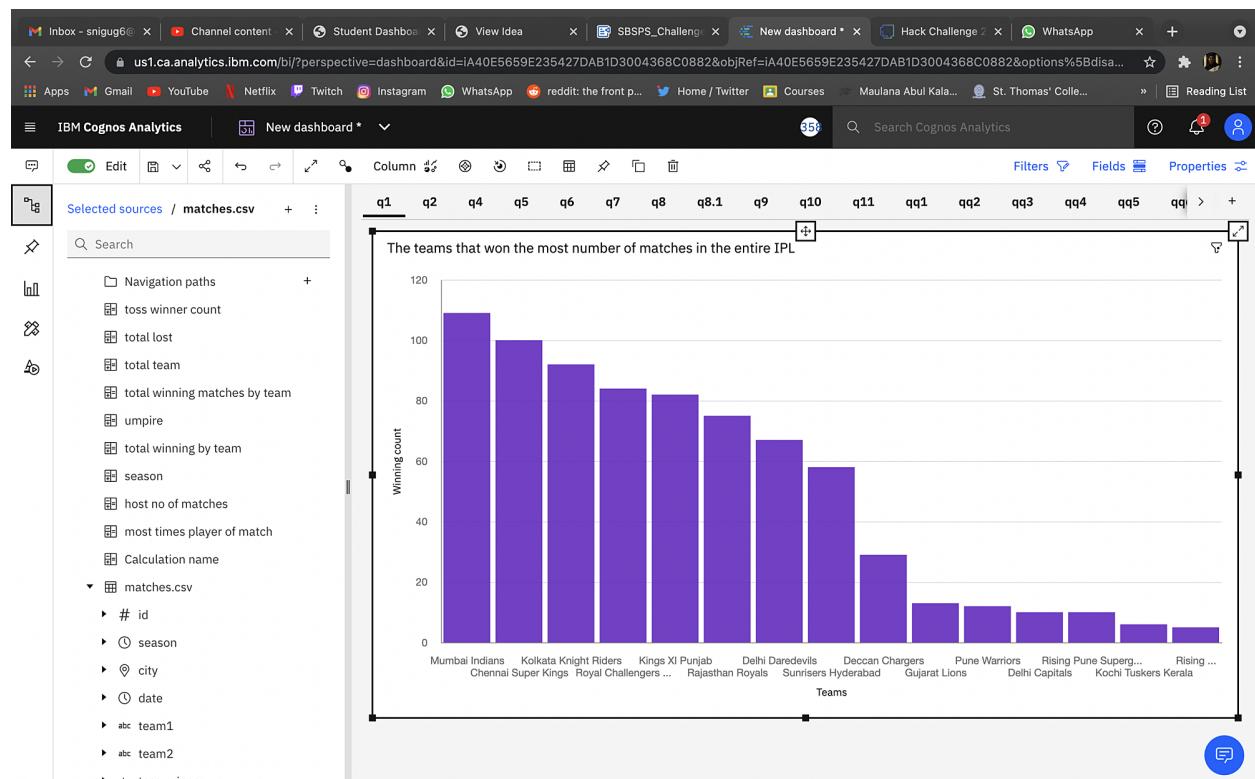


6 RESULT

Final findings (Output) of the project along with screenshots.

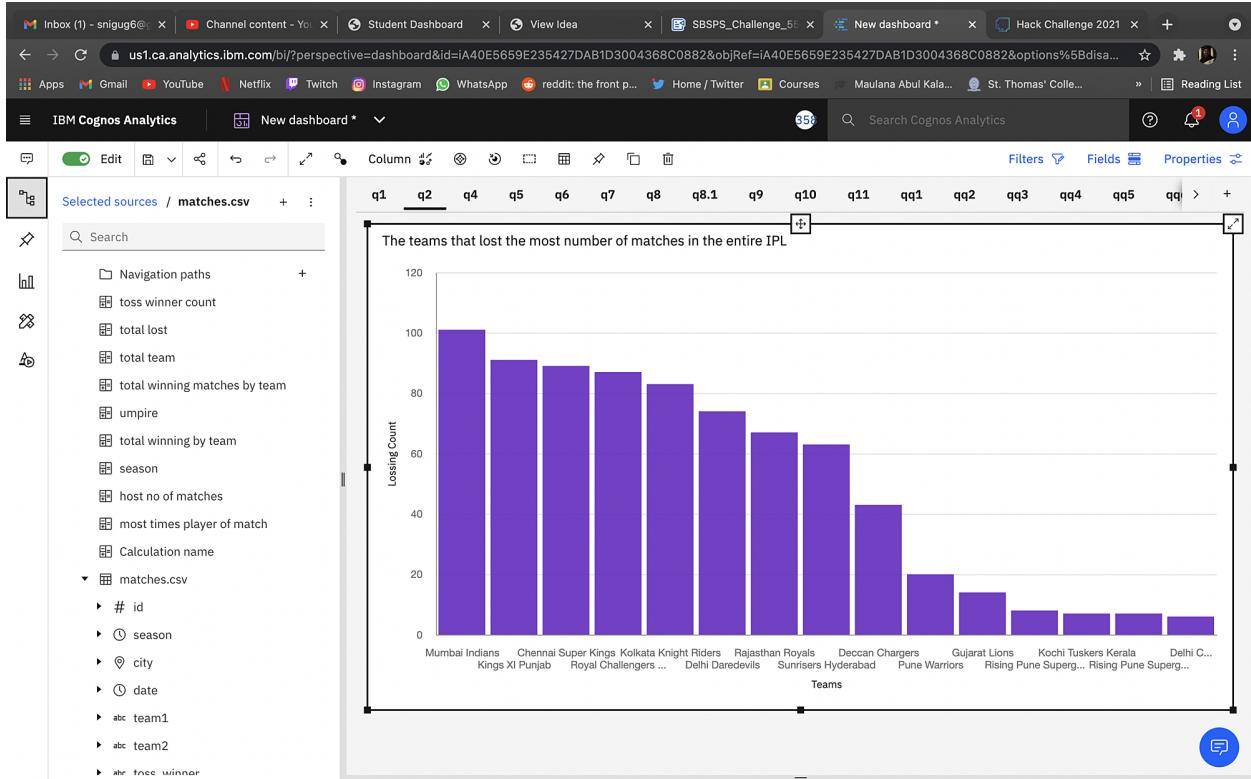
1. To find the team that won the most number of matches in the entire IPL.

Here we found out that Mumbai Indians won the most number of matches



2. To find the team that lost the most number of matches in the entire IPL.

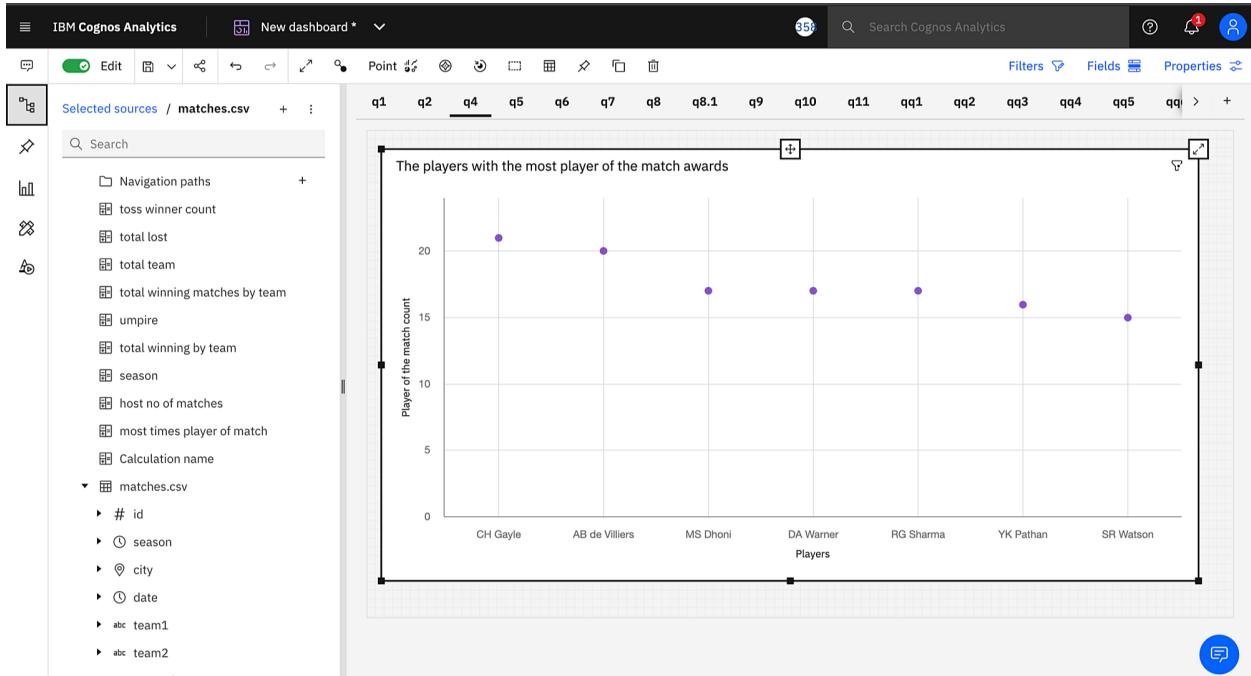
Here we found out that Mumbai Indians lost the most number of matches



3. Does winning a toss increase the chances of victory.

4. To find the player with the most player of the match awards.

Here we found out that CH Gayle won the most player of the match awards



5. To find the city that hosted the maximum number of IPL matches.

Here we found out that Mumbai hosted the maximum number of matches

The screenshot shows a Cognos Analytics dashboard titled "New dashboard". On the left, there's a sidebar with a search bar and a list of navigation paths related to matches.csv. The main panel displays a map of South Asia with various cities highlighted in different colors, representing the number of matches hosted. A legend at the top right lists cities with their respective counts: Mumbai (101), Kolkata (77), Delhi (74), Bangalore (66), Hyderabad (64), Chennai (57), Jaipur (47), Chandigarh (46), and Durban (15). The city of Mumbai is highlighted in red.

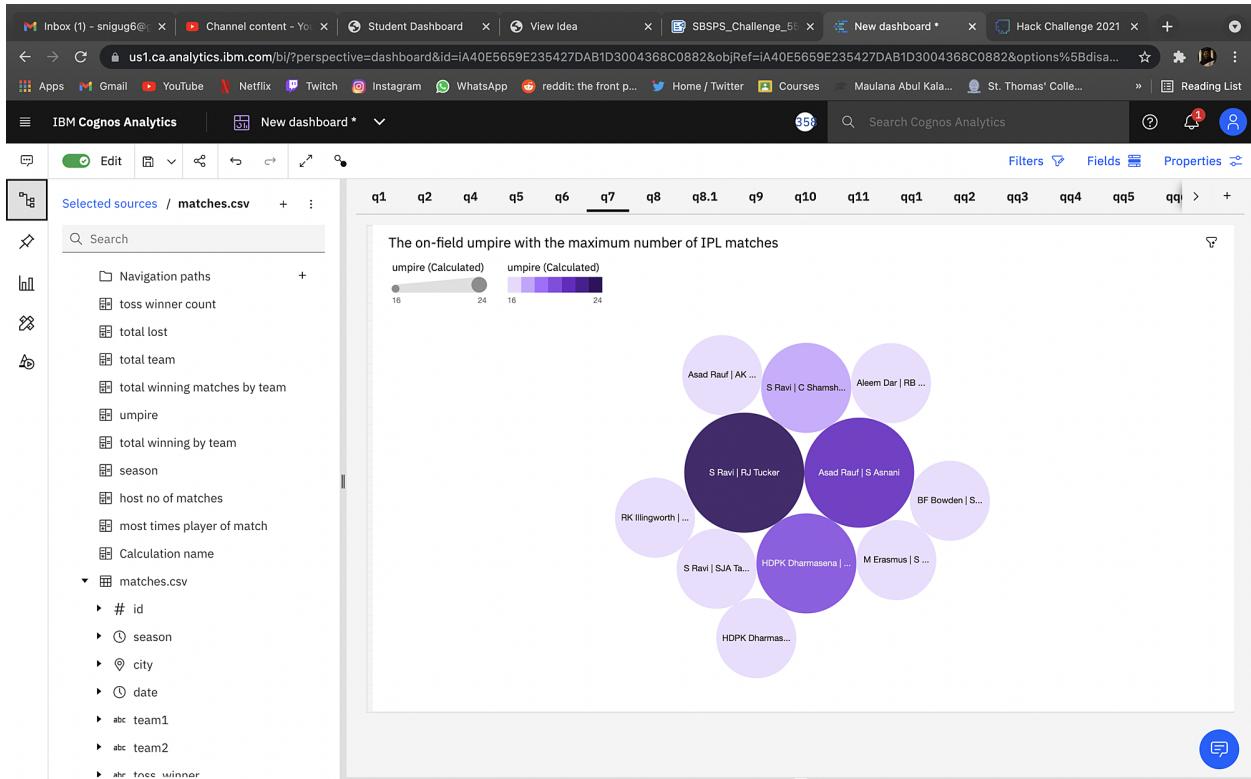
6. To find the most winning team for each season.

The screenshot shows a Cognos Analytics dashboard titled "New dashboard". The sidebar on the left lists navigation paths and a selected source "matches.csv". The main panel displays a table titled "The most winning team for each season" for the years 2008 through 2014. The table includes columns for the season and years 2008, 2009, 2010, 2011, 2012, 2013, 2014, and 2015. The "2015" column is partially visible. The data shows the team that won the maximum number of matches each year. For example, in 2008, it was Chennai Super Kings, and in 2014, it was Mumbai Indians. The row for "Delhi Capitals" in 2010 is currently selected.

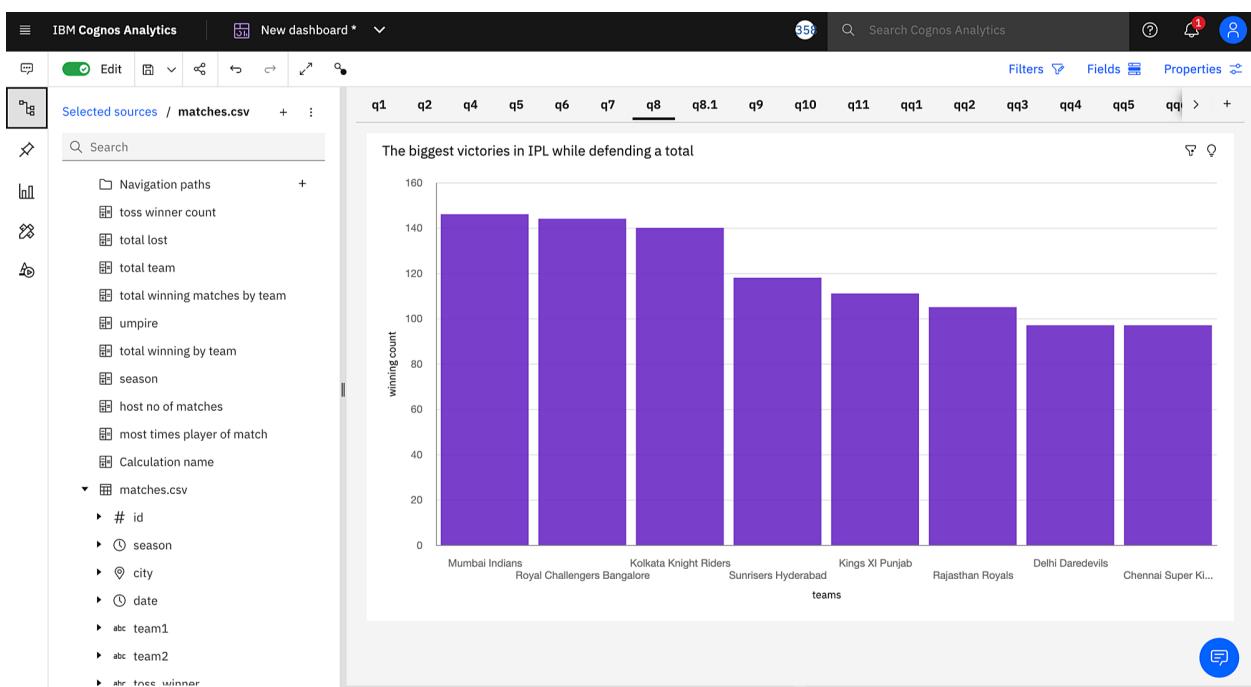
season	2008	2009	2010	2011	2012	2013	2014	2015
Chennai Super Ki...	9010	8010	9010	11010	10010	12010	10010	
Deccan Chargers	2010	9010	8010	6010	4010	(no value)	(no value)	
Delhi Capitals	(no value)							
Delhi Daredevils	7010	10010	7010	4010	11010	3010	2010	
Gujarat Lions	(no value)							
Kings XI Punjab	10010	7010	4010	7010	8010	8010	12010	
Kochi Tuskers Ke...	(no value)	(no value)	(no value)	6010	(no value)	(no value)	(no value)	
Kolkata Knight Ri...	6010	3010	7010	8010	12010	6010	11010	
Mumbai Indians	7010	5010	11010	10010	10010	13010	7010	
Pune Warriors	(no value)	(no value)	(no value)	4010	4010	4010	(no value)	
Rajasthan Royals	13010	6010	6010	6010	7010	11010	7010	
Rising Pune Supe...	(no value)							
Royal Challenger...	4010	9010	8010	10010	8010	9010	5010	
Sunrisers Hydera...	(no value)	10010	6010					

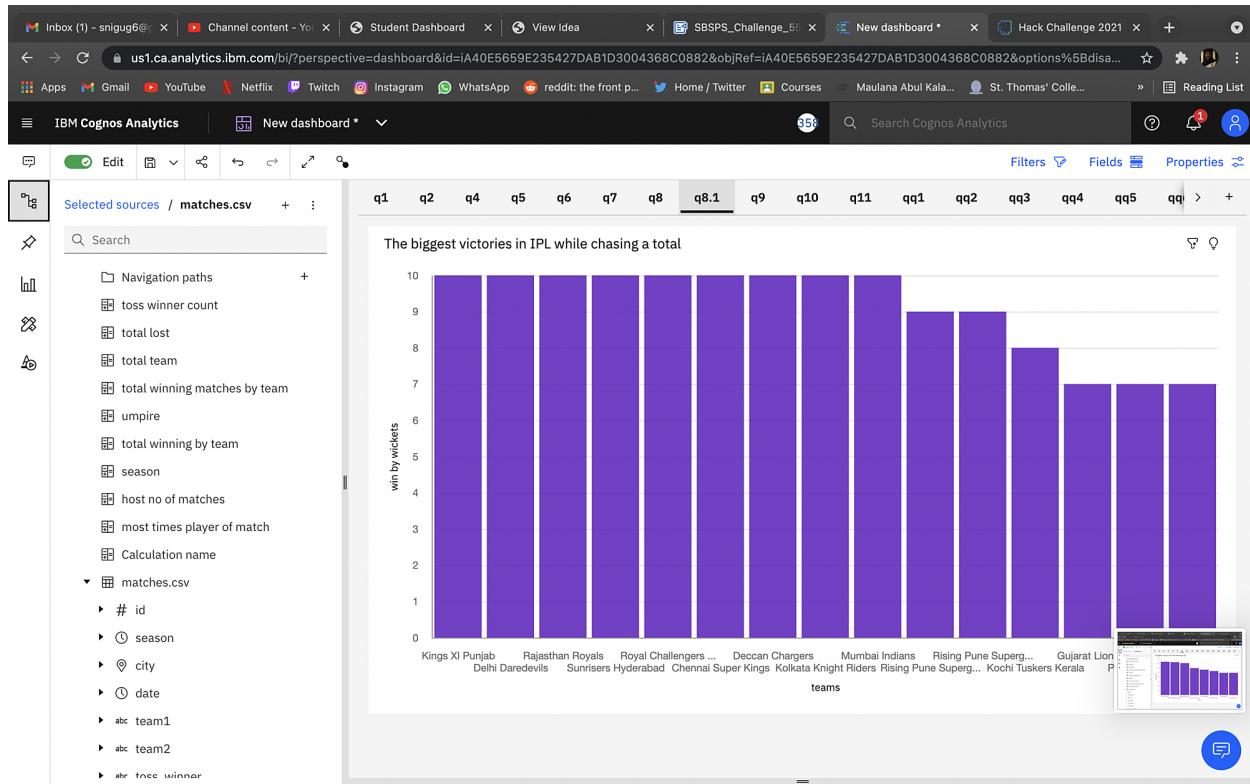
7. To find the on-field umpire with the maximum number of IPL matches.

Here we found out that S Ravi was the on field umpire of the maximum number of matches



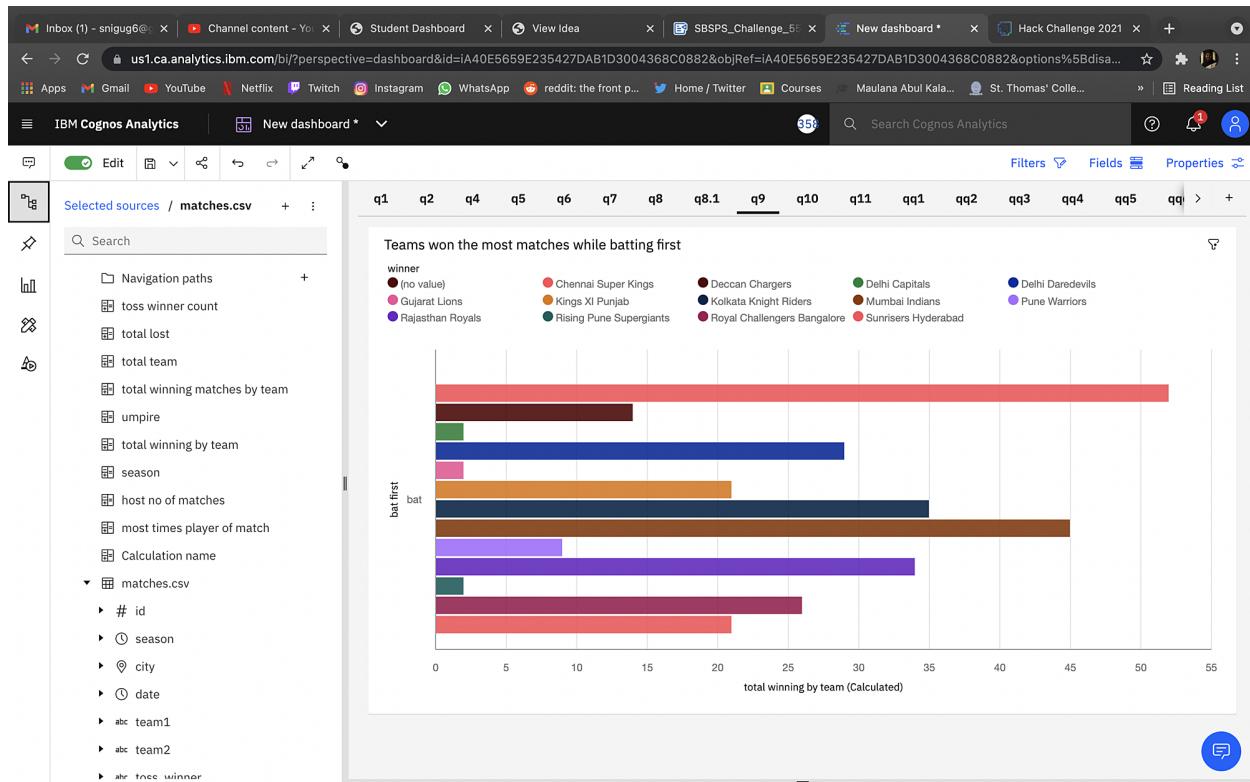
8. To find the biggest victories in IPL while defending a total and while chasing a total.





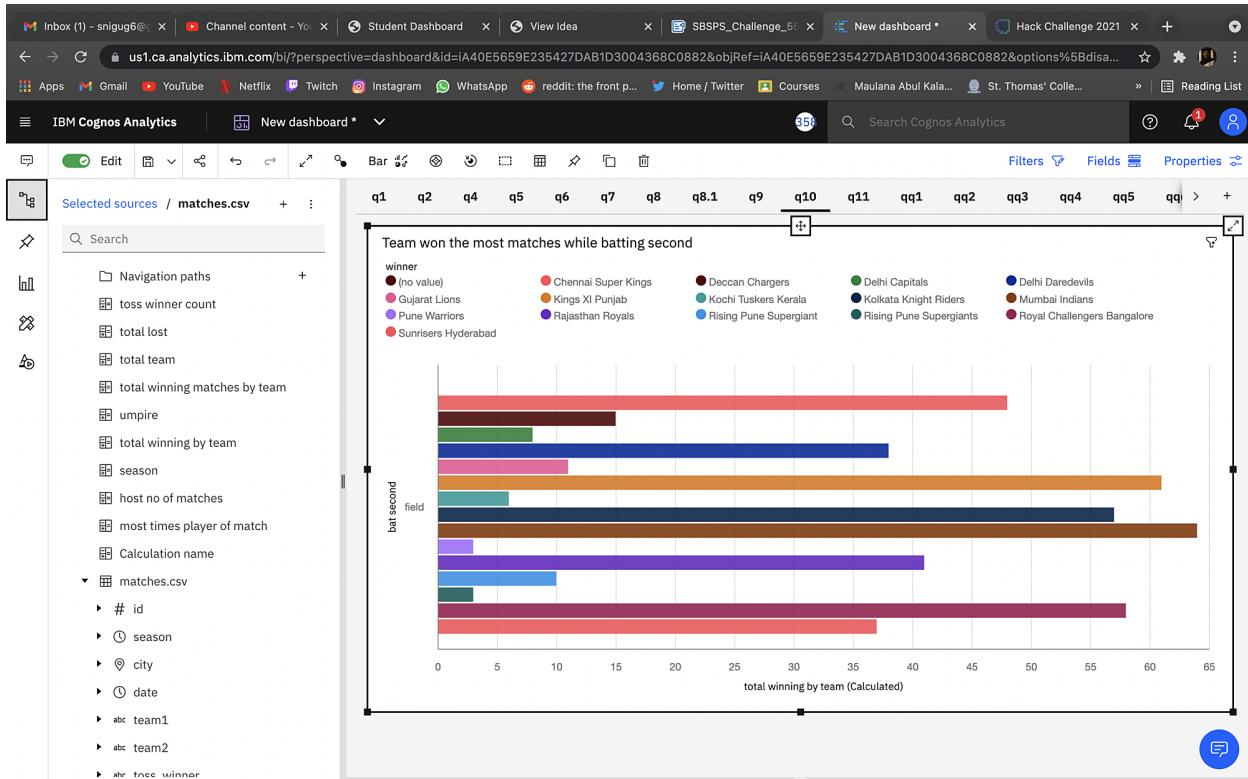
9. Which team won the most matches while batting first.

Here we found out that Chennai Super Kings won the most matches while batting first



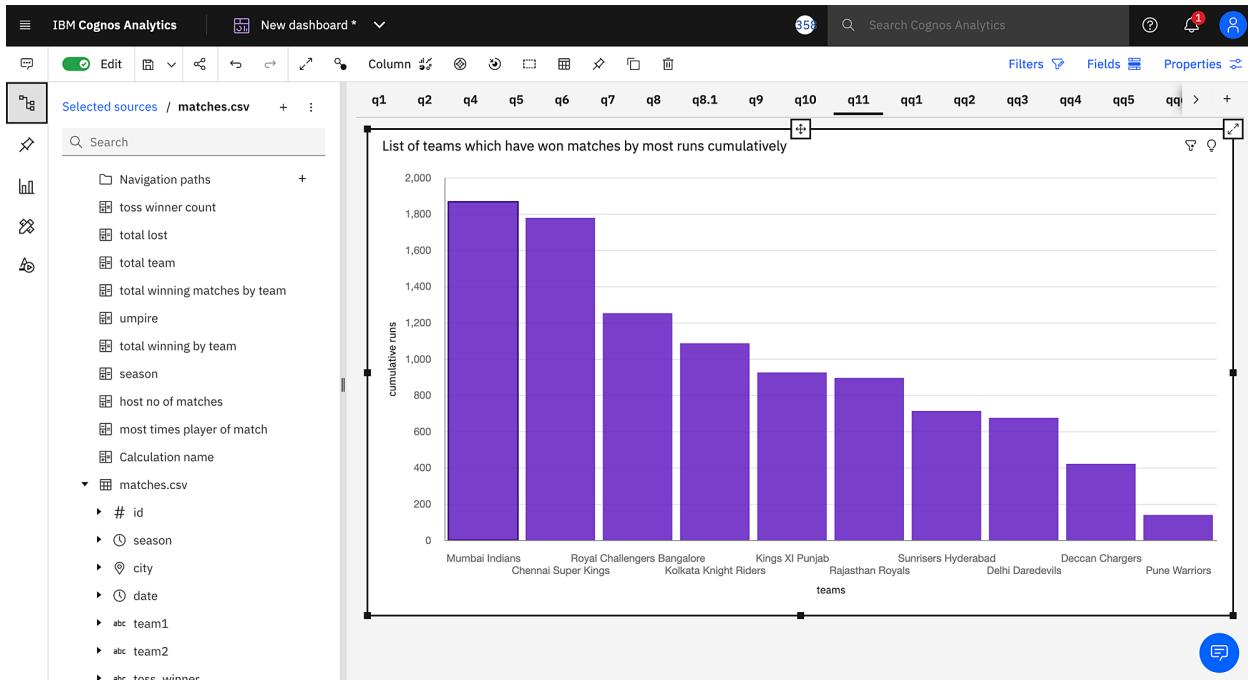
10. Which team won the most matches while batting second.

Here we found out that Mumbai Indians won the most number of matches while batting second



11. List of teams which have won matches by most runs cumulatively

Here we found out that Mumbai Indians won the most number of matches by most runs cumulatively



7 ADVANTAGES & DISADVANTAGES

Advantages:

- i.We can forecast the insights more accurately
- ii.The users can make better decisions based on this
- iii.It is time efficient both for the developers as well as the users
- iv.It is easy to understand

Disadvantages:

- i.Only the top stat players are likely to be displayed decreasing exposure on the new upcoming players

8 APPLICATIONS

Our solution can be used by different cricket prediction sites to give accurate predictions and view them in a simple manner without hassle. Our dashboard can provide simple insight into the predictions and further can be used by prediction sites, panelists can use this to show graphically without hassle.Presently people tend to create a bot-like structure where the user inputs the question and it answers in text.But we will present it in a graphical or visual manner where easily everyone can see the predictions presented on a dashboard and unlike the process before our solution can be used readily by different sites etc.
Nowadays cricket fans hype and discuss matches on social media.With the predictions they can even more feel connected to the sports and discuss more stuff on the media.

9 CONCLUSION

We did this project to predict the insights of the IPL matches as well as the teams and also for each individual players.The output was presentable and easy to understand.Previously without IBM Cognos Analytics it would be very time consuming,hard to implement and also it took a lot of time to make the data presentable.

Here it was easy to implement and also present the data.

10 FUTURE SCOPE

In the future more data will be produced and thus the predictions will be more accurate and many more fields can be explored through this.

11 BIBILOGRAPHY

We have used IBM Cloud,IBM Cognos Analytics,IBM Watson Studio and taken help from the pdfs provided by our mentors as well as the pdfs from the IBM Websites and IBM Cognos Analytics Handbook.

We found that using the IBM Cognos Analytics the project can be done in a time

efficient as well as in a easy way.The outputs are also more presentable and easy to understand.