1 INTRODUCTION

1.1 Overview A brief description about your project

In the project **"Super Predictor of Indian Premier League (IPL)"** we use a detailed stat of the games played to highlight the insights of the tournament. Here we use the IBM Cognos Analytics to graphically represent the top achievements(or failures) of the players (and teams). We will be presenting the top (or worst) 5(team) or 7(individual) performances in every domain by making several dashboards.

1.2 Purpose The use of this project. What can be achieved using this.

Our main target is to use the Cognos Analytics tool to create dashboards that provide important insights about ipl sessions 2008 - 2020 of various parts.This type of dashboards will help both the panelists to present their observations and the fans to support their favourite player (or team) in the fan wars.

2 LITERATURE SURVEY

2.1 Existing problem Existing approaches or method to solve this problem

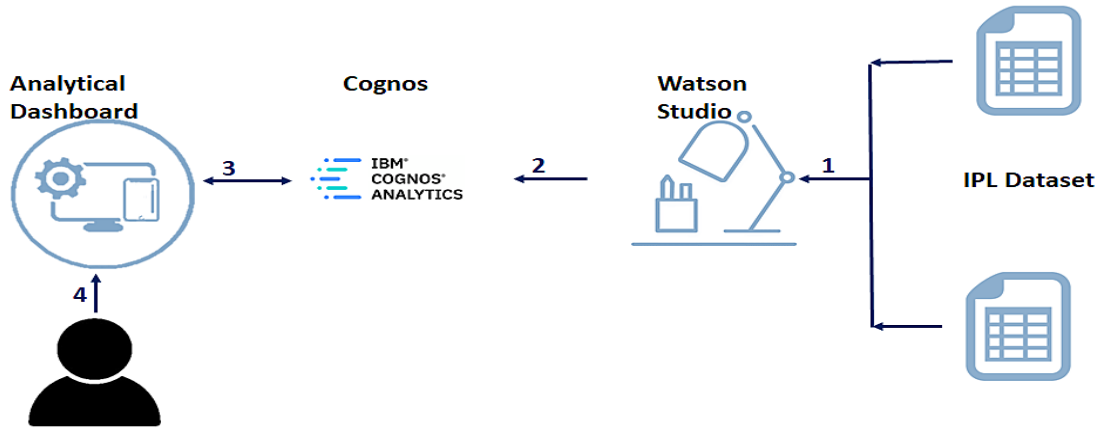
Various programming languages like c++, java, python etc. can be used to solve this problem.It is very time consuming process.

2.2 Proposed solution What is the method or solution suggested by you?

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 was 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. To present the data in a graphical way to highlight the top stats we count the appearance of the data item e.g. player's name in the datasheet and present the top 5 or 7 of them in a suitable format. On the other hand, to count the greatest performances we count the total scores of each player and then present the top 5 or 7 in a suitable way.

3 THEORITICAL ANALYSIS

3.1 Block diagram Diagrammatic overview of the project.



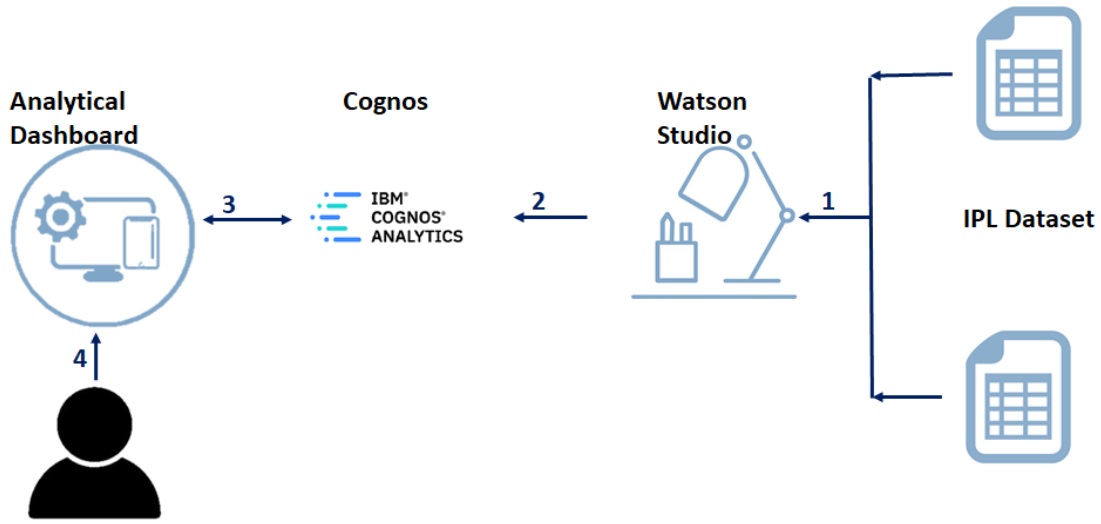
3.2 Hardware / Software designing Hardware and software requirements of the project

- IBM Cognos Analytics
- IBM Cloud service
- IBM Watson Studio applications
- A PC with a Web Browser

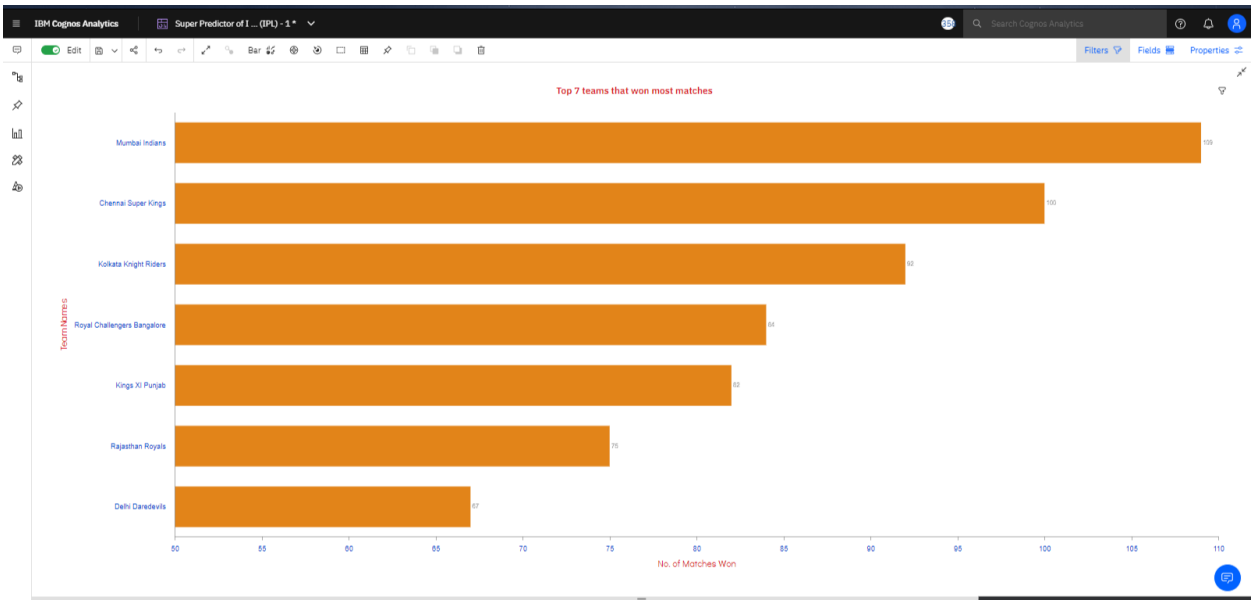
4 EXPERIMENTAL INVESTIGATIONS Analysis or the investigation made while working on the solution.

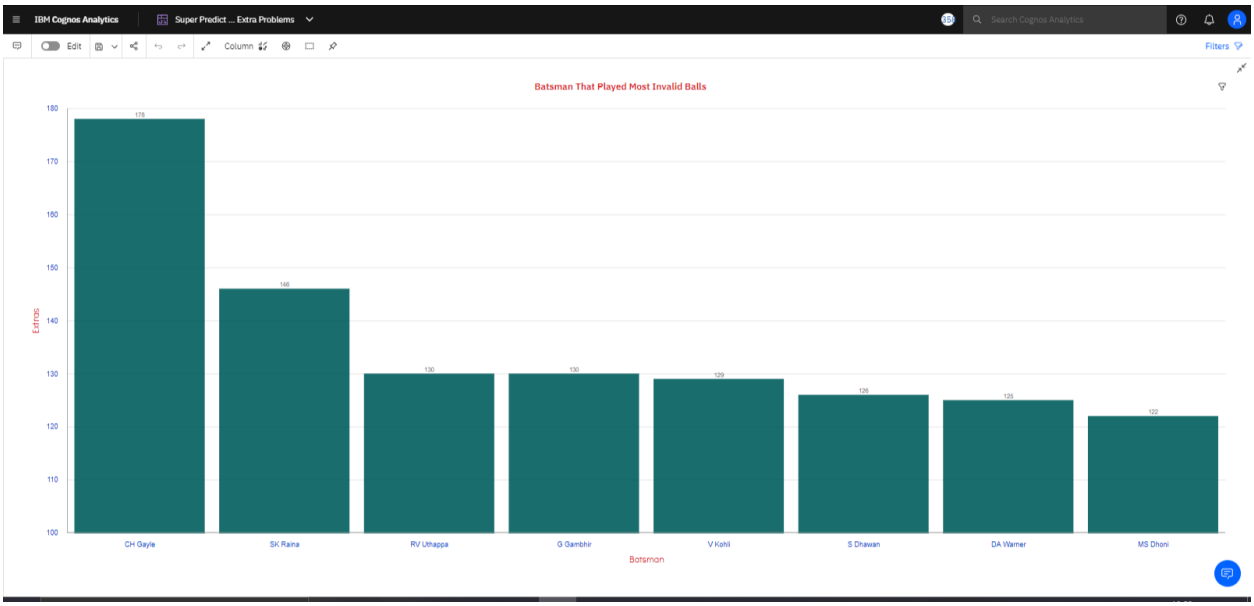
Through this project we understood how to represent data on different visualizaons like as we have presented our data in a dashboard on visualizaons like column,bar,stacked bubble,stacked bar,stacked column,table etc.

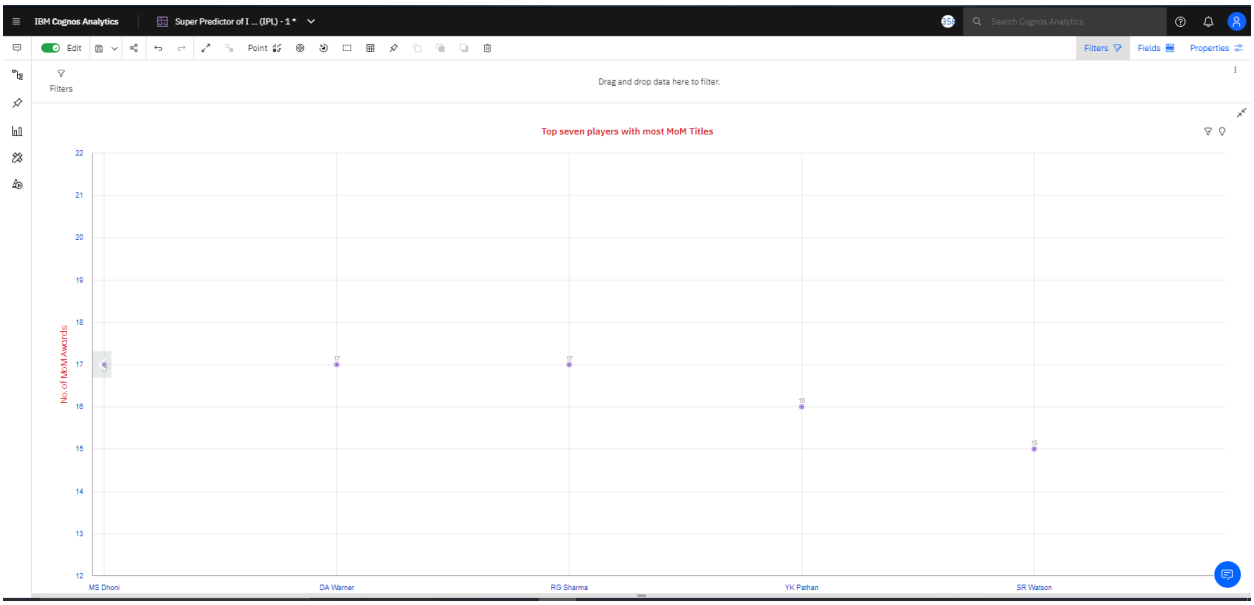
5 FLOWCHART Diagram showing the control flow of the solution

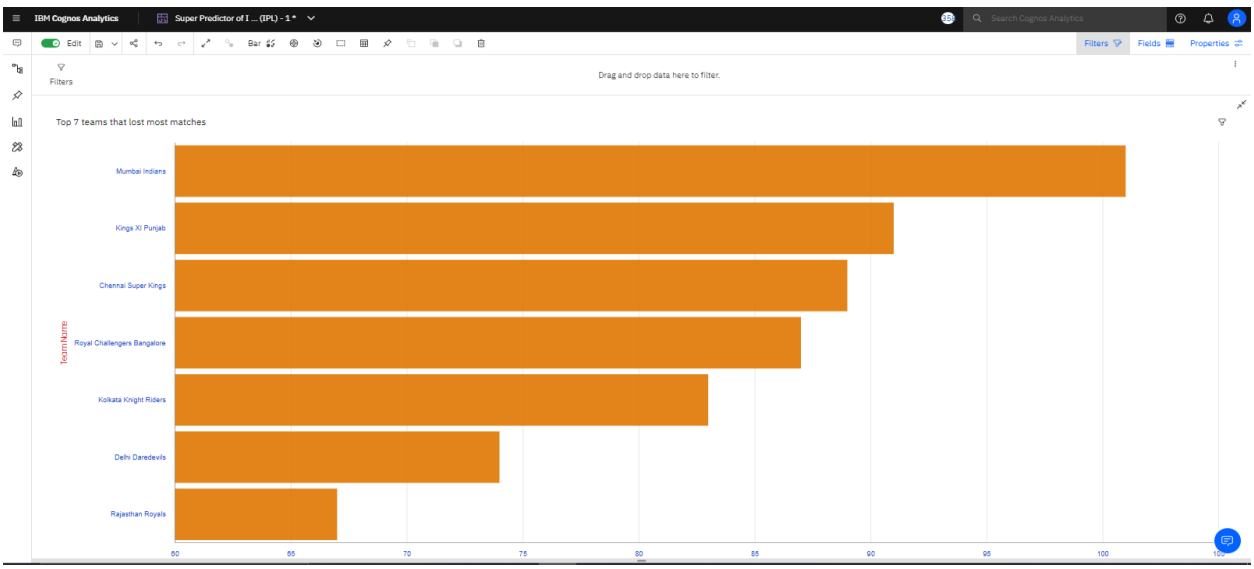


6 RESULT Final findings (Output) of the project along with screenshots.

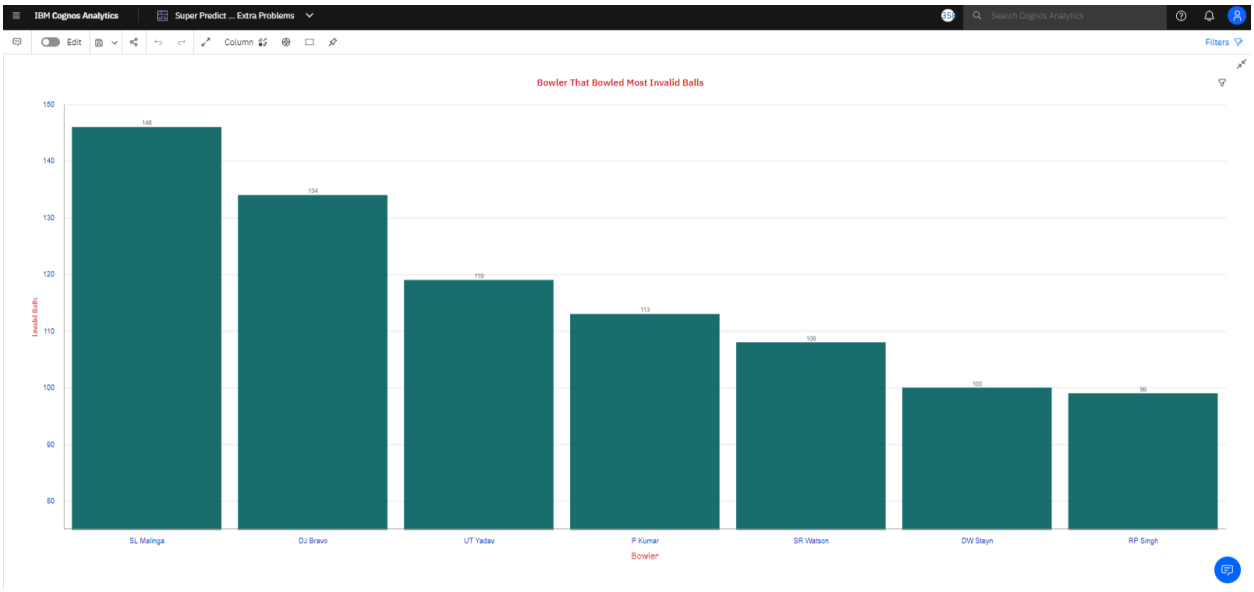

IBM Cognos Analytics
Super Predictor of I ... (IPL) - 1 *
Edit
Bar
Filters
Fields
Properties
Top 7 teams that won most matches
Mumbai Indians
Chennai Super Kings
Kolkata Knight Riders
Royal Challengers Bangalore
Kings XI Punjab
Rajasthan Royals
Delhi Daredevils
Team Names
50
55
60
65
70
75
80
85
90
95
100
105
110
No. of Matches Won


IBM Cognos Analytics
Super Predict ... Extra Problems
Edit
Column
Filters
Batsman That Played Most Invalid Balls
180
170
160
150
140
130
120
110
100
Extras
178
146
130
130
129
126
125
122
CH Gayle
SK Raina
RV Uthappa
G Gambhir
V Kohli
S Dhawan
DA Warner
MS Dhoni
Batsman

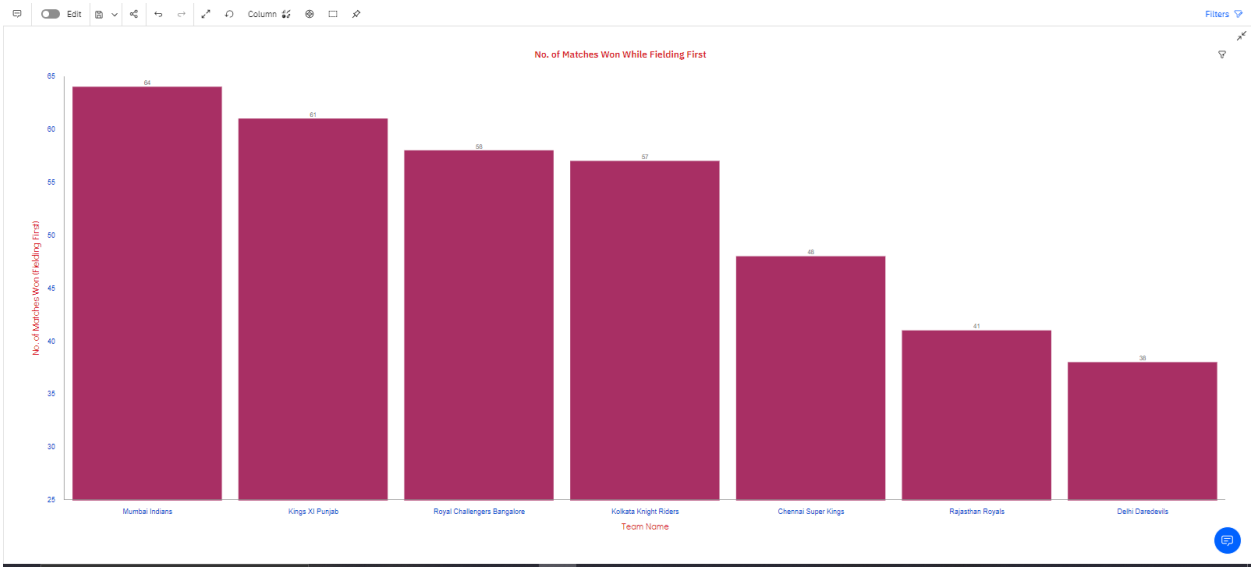

IBM Cognos Analytics
Super Predictor of I ... (IPL) - 1 *
Edit
Point
Filters
Fields
Properties
Drag and drop data here to filter.
Top seven players with most MoM Titles
No. of MoM Awards
22
21
20
19
18
17
16
15
14
13
12
17
17
16
15
MS Dhoni
DA Warner
RG Sharma
YK Pathan
SR Watson

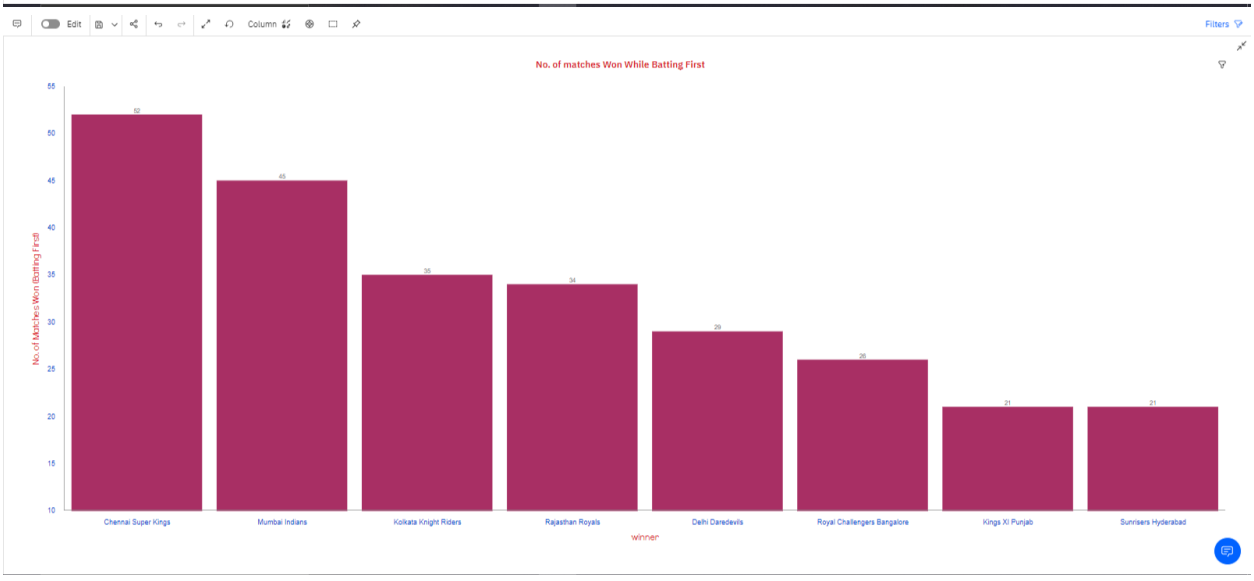

IBM Cognos Analytics
Super Predictor of I ... (IPL) - 1 *
Edit
Bar
Filters
Fields
Properties
Drag and drop data here to filter.
Top 7 teams that lost most matches
Team Name
Mumbai Indians
Kings XI Punjab
Chennai Super Kings
Royal Challengers Bangalore
Kolkata Knight Riders
Delhi Daredevils
Rajasthan Royals
60
65
70
75
80
85
90
95
100

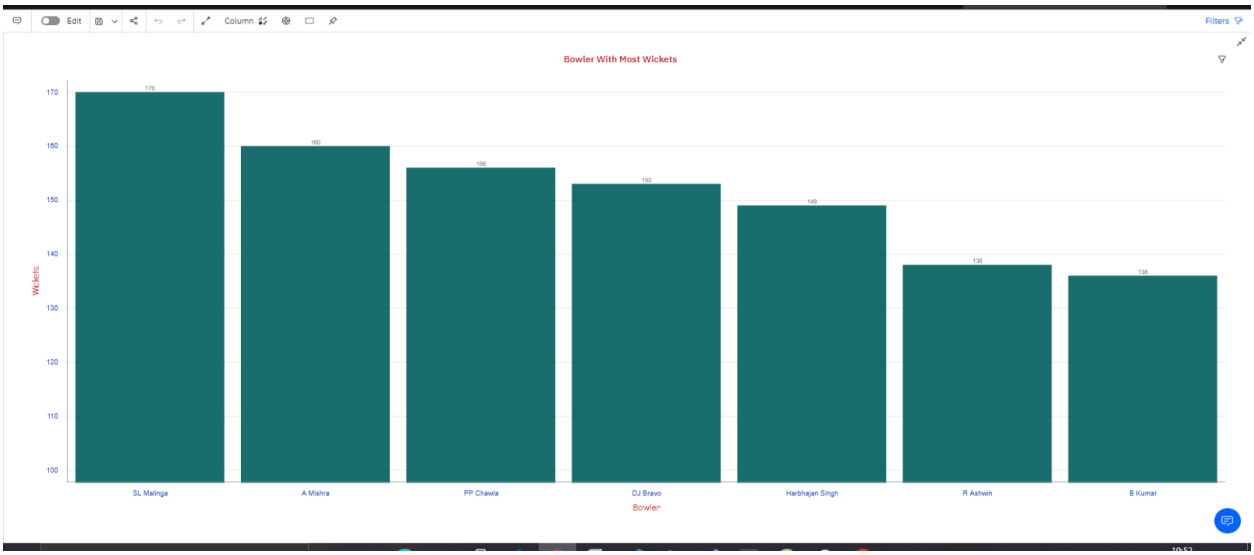

IBM Cognos Analytics
Super Predict ... Extra Problems
Search Cognos Analytics
Edit
Column
Filters
Fielder With Most Catches
Catches
120
115
110
105
100
95
90
85
80
75
118
113
103
99
88
87
84
KD Karthik
MS Dhoni
AB de Villiers
SK Raina
RG Sharma
RV Uthappa
KA Pollard
Fielder

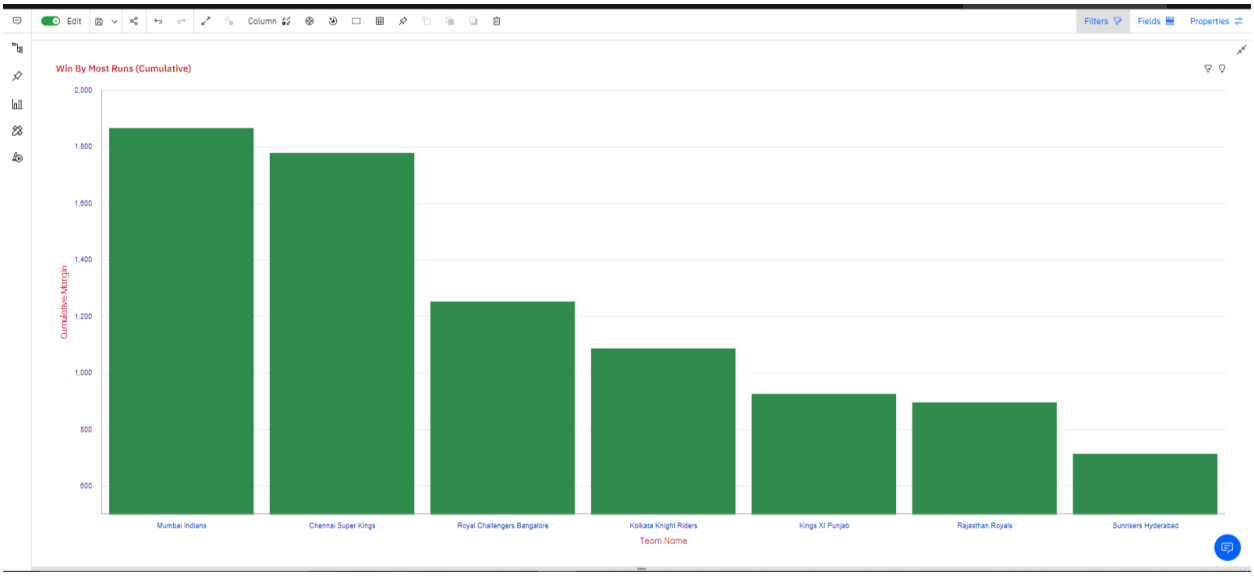

IBM Cognos Analytics
Super Predict ... Extra Problems
Search Cognos Analytics
Edit
Column
Filters
Bowler That Bowled Most Invalid Balls
Invalid Balls
150
140
130
120
110
100
90
80
146
134
119
113
108
100
99
SL Malinga
DJ Bravo
UT Yadav
P Kumar
SR Watson
DW Steyn
RP Singh
Bowler

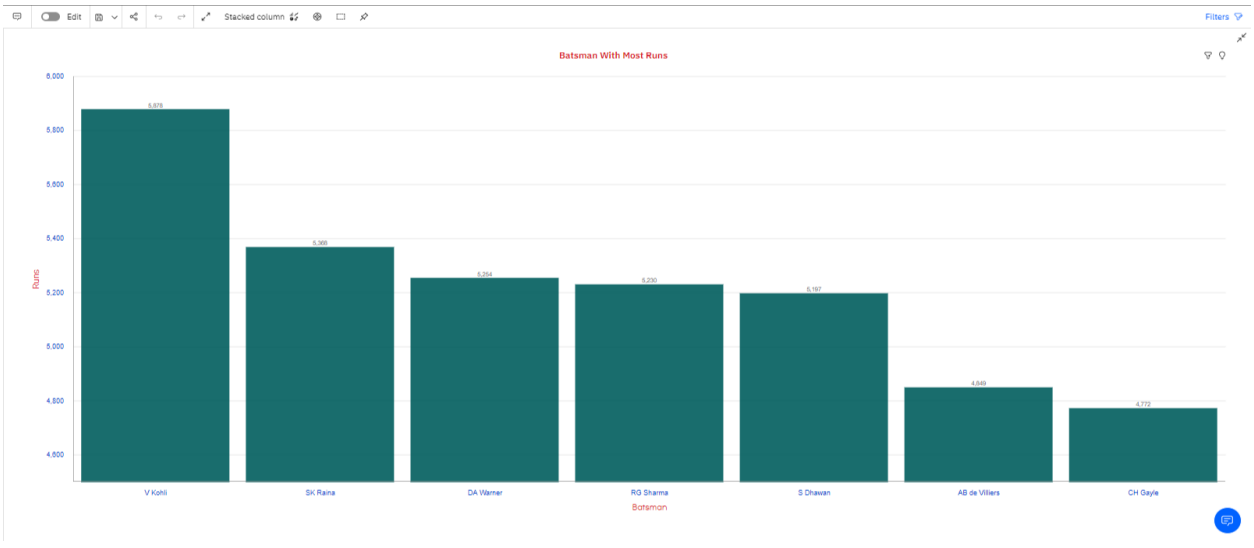

IBM Cognos Analytics
Super Predict ... Extra Problems
Search Cognos Analytics
Edit
Column
Filters
Bowling Team that Bowled The Most
Balls
25,000
24,000
23,000
22,000
21,000
20,000
19,000
18,000
17,000
16,000
15,000
24,453
23,024
22,583
22,457
21,224
18,972
18,719
Mumbai Indians
Royal Challengers Bangalore
Kolkata Knight Riders
Kings XI Punjab
Chennai Super Kings
Rajasthan Royals
Delhi Daredevils
Team Name

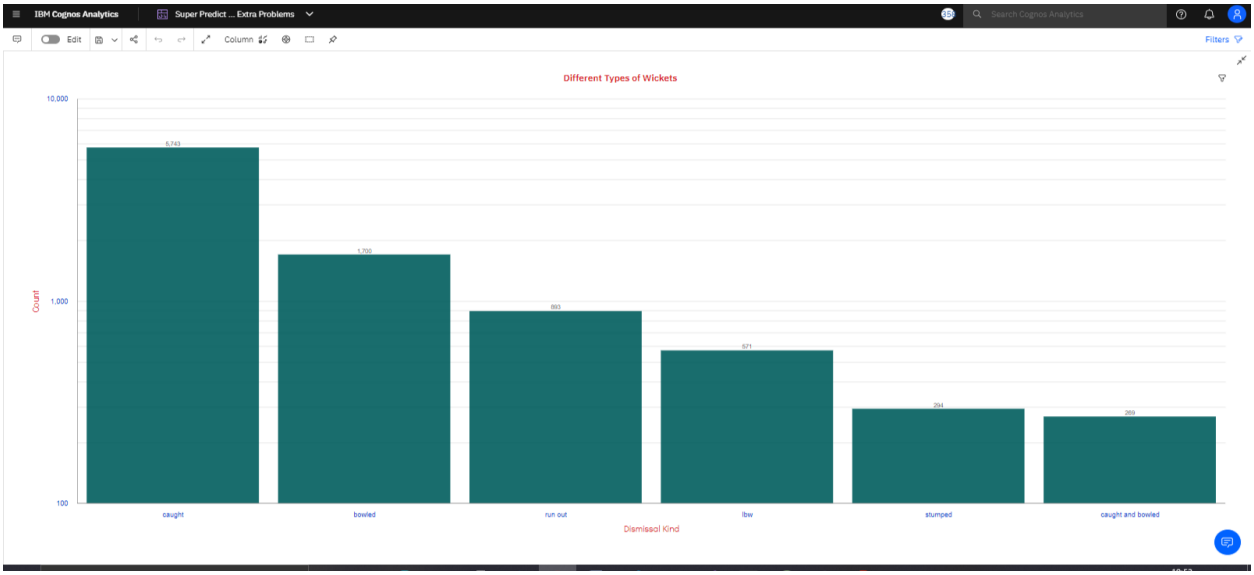

Edit
Column
Filters
No. of Matches Won While Fielding First
No. of Matches Won (Fielding First)
65
60
55
50
45
40
35
30
25
64
61
58
57
48
41
38
Mumbai Indians
Kings XI Punjab
Royal Challengers Bangalore
Kolkata Knight Riders
Chennai Super Kings
Rajasthan Royals
Delhi Daredevils
Team Name

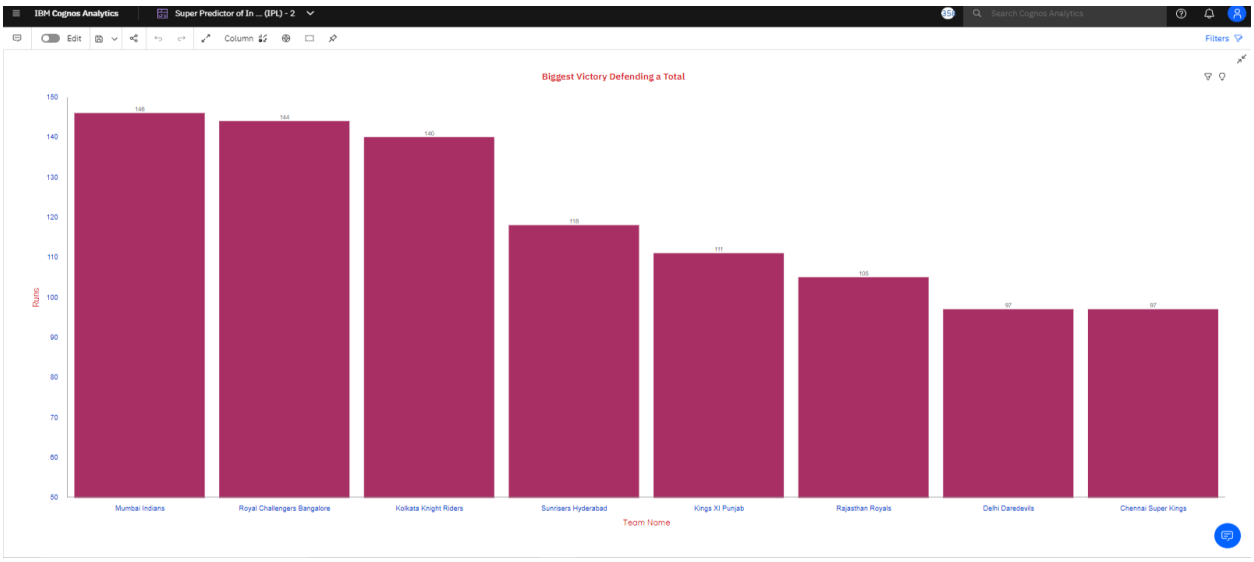

Edit
Column
Filters
No. of matches Won While Batting First
No. of Matches Won (Batting First)
55
50
45
40
35
30
25
20
15
10
52
45
35
34
29
26
21
21
Chennai Super Kings
Mumbai Indians
Kolkata Knight Riders
Rajasthan Royals
Delhi Daredevils
Royal Challengers Bangalore
Kings XI Punjab
Sunrisers Hyderabad
winner


Edit
Column
Filters
Bowler With Most Wickets
Wickets
170
160
150
140
130
120
110
100
170
160
156
153
149
138
136
SL Malinga
A Mishra
PP Chawla
DJ Bravo
Harbhajan Singh
R Ashwin
B Kumar
Bowler


Edit
Column
Filters
Fields
Properties
Win By Most Runs (Cumulative)
Cumulative Margin
2,000
1,800
1,600
1,400
1,200
1,000
800
600
Mumbai Indians
Chennai Super Kings
Royal Challengers Bangalore
Kolkata Knight Riders
Kings XI Punjab
Rajasthan Royals
Sunrisers Hyderabad
Team Name

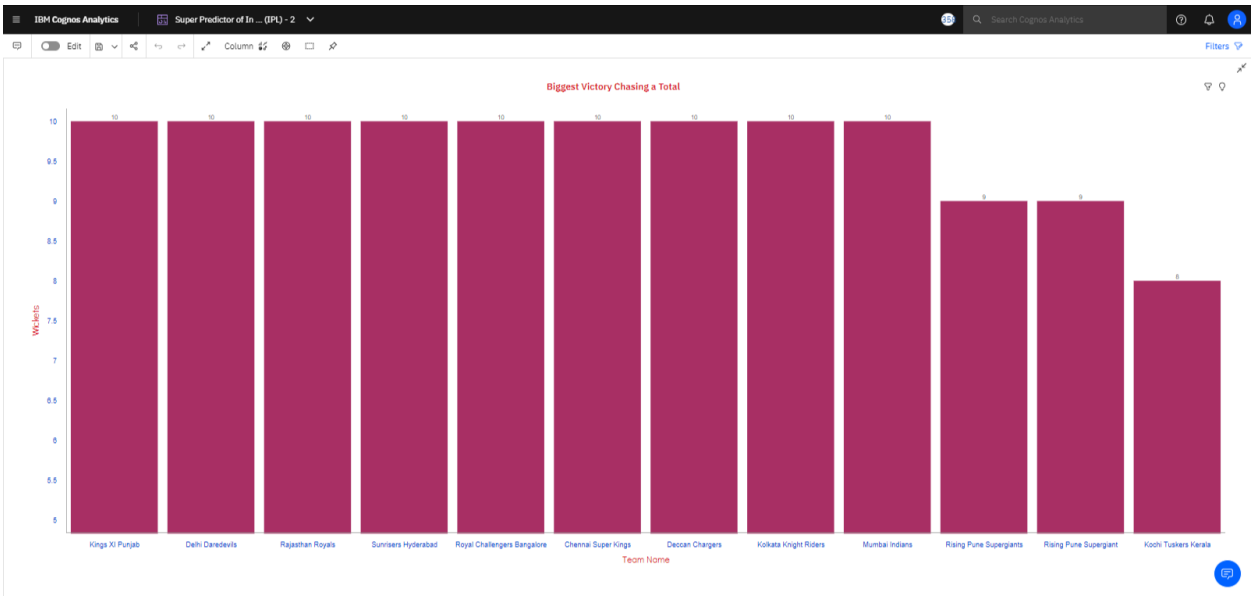

Edit
Stacked column
Filters
Batsman With Most Runs
Runs
6,000
5,800
5,600
5,400
5,200
5,000
4,800
4,600
5,878
5,366
5,254
5,230
5,197
4,849
4,772
V Kohli
SK Raina
DA Warner
RG Sharma
S Dhawan
AB de Villiers
CH Gayle
Batsman

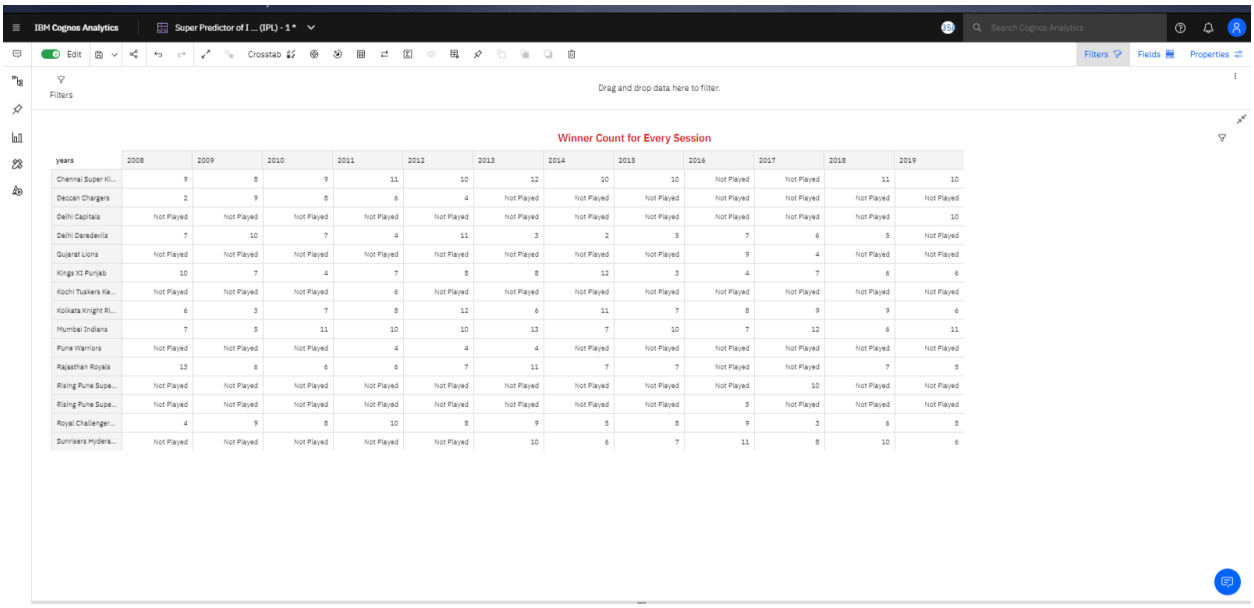

IBM Cognos Analytics
Super Predict ... Extra Problems
Edit
Column
Filters
Different Types of Wickets
10,000
1,000
100
Count
5,743
1,700
693
671
294
269
caught
bowled
run out
lbw
stumped
caught and bowled
Dismissal Kind


IBM Cognos Analytics
Super Predictor of In ... (IPL) - 2
Edit
Column
Filters
Biggest Victory Defending a Total
150
140
130
120
110
100
90
80
70
60
50
Runs
146
144
140
118
111
105
97
97
Mumbai Indians
Royal Challengers Bangalore
Kolkata Knight Riders
Sunrisers Hyderabad
Kings XI Punjab
Rajasthan Royals
Delhi Daredevils
Chennai Super Kings
Team Name


IBM Cognos Analytics
Super Predictor of I ... (IPL) - 1 *
Edit
Line
Filters
Fields
Properties
Filters
Drag and drop data here to filter.
Relation of Toss & Winner For Teams
winner
Chennai Super Kings
Delhi Daredevils
Kings XI Punjab
Kolkata Knight Riders
Mumbai Indians
Rajasthan Royals
Royal Challengers Bangalore
toss_winner (Count)

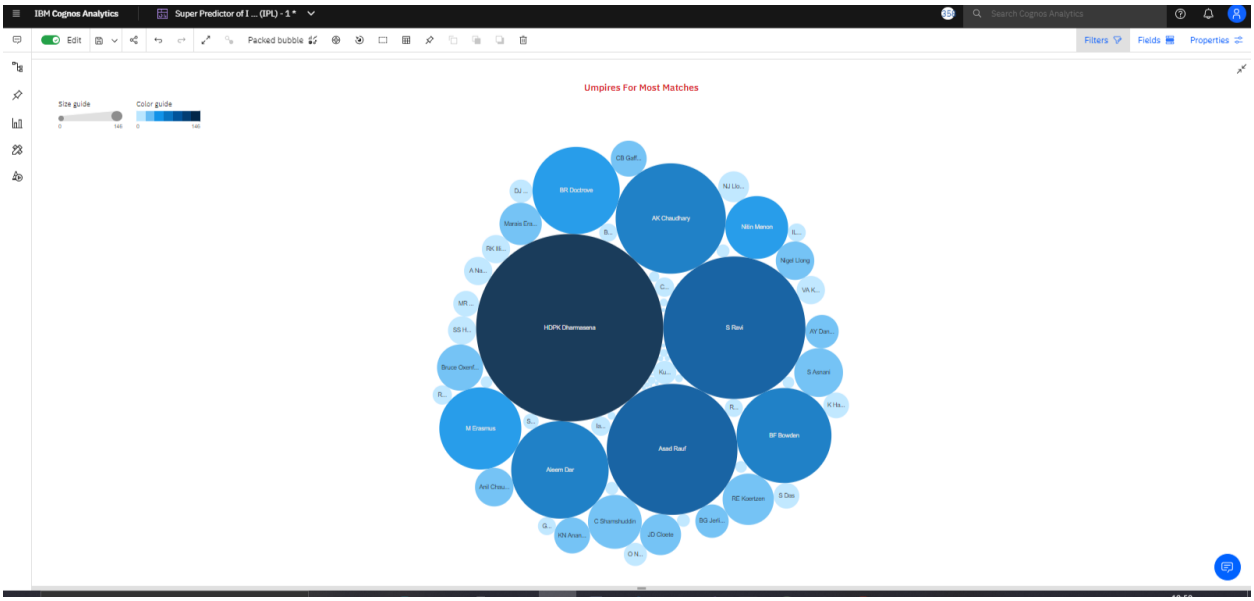

IBM Cognos Analytics
Super Predict ... Extra Problems
Edit
Column
Filters
Fielder With Most Runouts
fielder Count (Calculated)
12
9
8
7
7
MS Dhoni
MK Pandey,RV Uthappa
KD Karthik
V Kohli
SV Samson
Fielder





Winner Count for Every Session

years	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Chennai Super Ki...	9	8	9	11	10	12	10	10	Not Played	Not Played	11	10
Deccan Chargers	2	9	8	6	4	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played
Delhi Capitals	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	10
Delhi Daredevils	7	10	7	4	11	3	2	5	7	6	5	Not Played
Gujarat Lions	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	9	4	Not Played	Not Played
Kings XI Punjab	10	7	4	7	8	8	12	3	4	7	6	6
Kochi Tuskers Ke...	Not Played	Not Played	Not Played	6	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played
Kolkata Knight Ri...	6	3	7	8	12	6	11	7	8	9	9	6
Mumbai Indians	7	5	11	10	10	13	7	10	7	12	6	11
Pune Warriors	Not Played	Not Played	Not Played	4	4	4	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played
Rajasthan Royals	13	6	6	6	7	11	7	7	Not Played	Not Played	7	5
Rising Pune Supe...	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	10	Not Played	Not Played
Rising Pune Supe...	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	Not Played	5	Not Played	Not Played	Not Played
Royal Challenger...	4	9	8	10	8	9	5	8	9	3	6	5
Sunrisers Hydera...	Not Played	Not Played	Not Played	Not Played	Not Played	10	6	7	11	8	10	6



7 ADVANTAGES & DISADVANTAGES List of advantages and disadvantages of the proposed solution

ADVANTAGES:

1. Better decision-making
2. Better forecasting
3. Key performance indicators
4. easily understandable

DISADVANTAGES:

1.**Depending upon building time, the most crucial and time-sensitive initiatives happening NOW are not be included**

2.More experienced players are more likely to be displayed.

8 APPLICATIONS The areas where this solution can be applied

Our dashboard will give different insights about previous performances and predictions in a simple manner without hassle.our dashboard can provide pictorial insights with simple presentations .It will also be beneficial to other sites for showing some virtual insights.

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 counsuming,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