

IPL VISUALIZATION ASSIGNMENT



Priyanka Parida

INDEX

- Introduction
- Season wise Analysis
- Player wise Analysis
- Team wise Analysis
- Model
- PLayer Ranking
- PLayer Segmentation
- Conclusion

INTRODUCTION

- The Indian Premier League, or IPL, is a T20 cricket league, which was founded in 2008 and is held every year. It sees participation from both national and international players, and eight teams representing eight Indian cities compete with each other in a double round robin format in the league stages, which are followed by playoffs. Over the years, IPL has become one of the most-watched and most attended live sporting events all over the world.
- The Board Of Control Of Cricket in India (BCCI) is the national governing body for cricket in India.
- Every team has a dream of winning the final cup. This presentation gives the basic data analysis of IPL seasons from 2008 to 2017 and the factors that affecting the winning of matches.

DATA CONSISTS OF

- Data of IPL seasons from 2008 to 2017.
- Match details
- Player details
- Season wise best performers

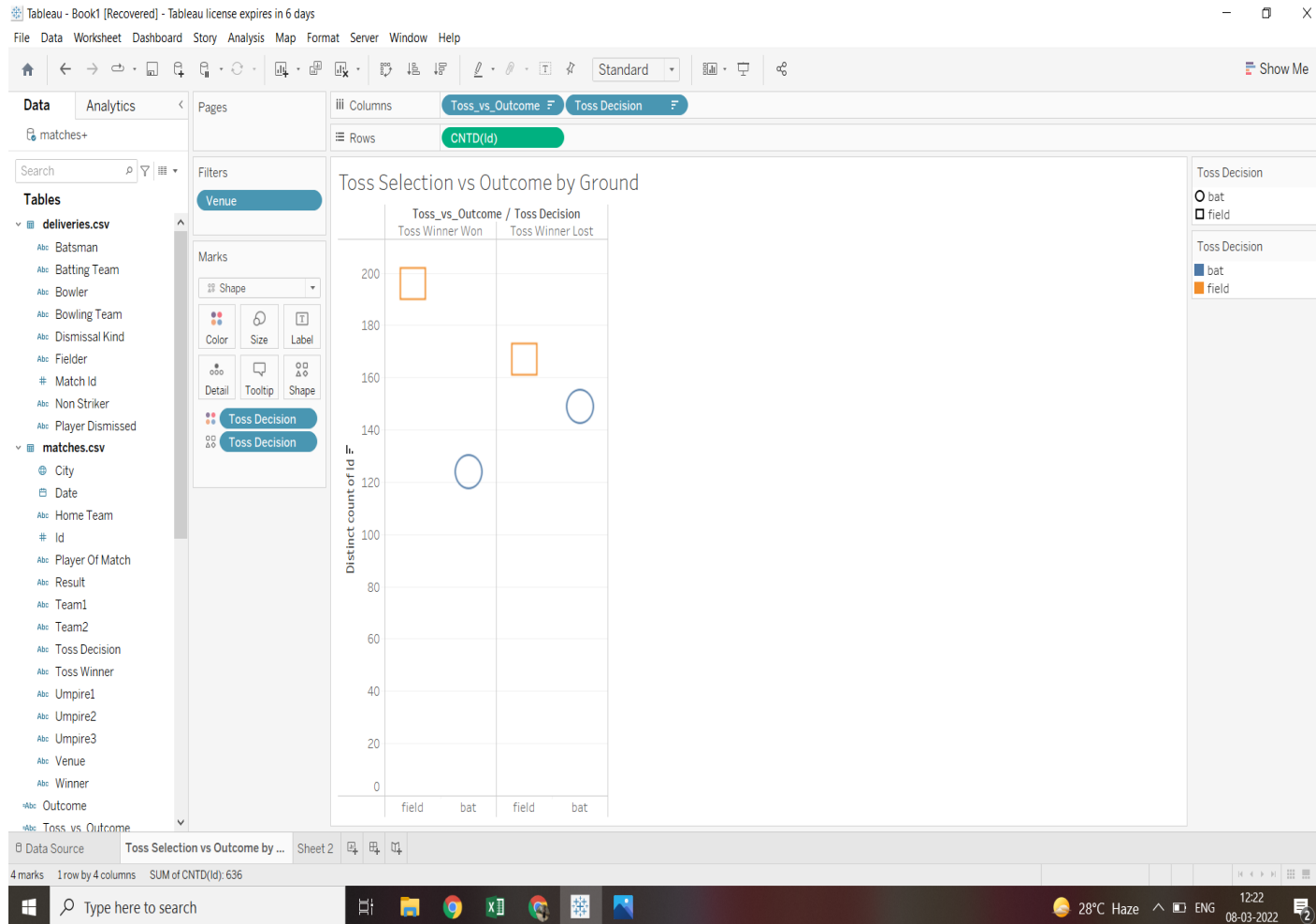
DATA SNAPSHOT AFTER INNER JOIN OF BOTH THE DATA SET

# matches.csv Id	# matches.csv season	=# Calculation season Dimension	🌐 matches.csv City	📅 matches.csv Date	Abc matches.csv Team1	Abc matches.csv Team2	Abc matches.csv Toss Winner	Abc matches.csv Toss Decision	Abc matches.csv Result
10	2,017	2017	Mumbai	12-04-2017	Sunrisers Hyderabad	Mumbai Indians	Mumbai Indians	field	normal
384	2,013	2013	Hyderabad	05-04-2013	Sunrisers Hyderabad	Pune Warriors	Pune Warriors	field	normal
487	2,014	2014	Ahmedabad	08-05-2014	Sunrisers Hyderabad	Rajasthan Royals	Rajasthan Royals	field	normal
25	2,017	2017	Pune	22-04-2017	Sunrisers Hyderabad	Rising Pune Supergiants	Rising Pune Supergiant	field	normal
473	2,014	2014	Sharjah	27-04-2014	Mumbai Indians	Delhi Daredevils	Mumbai Indians	bat	normal
176	2,010	2010	Mumbai	13-03-2010	Mumbai Indians	Rajasthan Royals	Mumbai Indians	bat	normal
519	2,015	2015	Chennai	09-04-2015	Chennai Super Kings	Delhi Daredevils	Delhi Daredevils	field	normal
404	2,013	2013	Delhi	18-04-2013	Chennai Super Kings	Delhi Daredevils	Chennai Super Kings	bat	normal
371	2,012	2012	Dharamsala	17-05-2012	Chennai Super Kings	Kings XI Punjab	Kings XI Punjab	field	normal
169	2,009	2009	Durban	20-05-2009	Chennai Super Kings	Kings XI Punjab	Chennai Super Kings	bat	normal
61	2,008	2008	Chandigarh	19-04-2008	Chennai Super Kings	Kings XI Punjab	Chennai Super Kings	bat	normal
91	2,008	2008	Chennai	10-05-2008	Chennai Super Kings	Kings XI Punjab	Kings XI Punjab	field	normal
297	2,011	2011	Chennai	18-05-2011	Chennai Super Kings	Kochi Tuskers Kerala	Chennai Super Kings	bat	normal
355	2,012	2012	Mumbai	06-05-2012	Chennai Super Kings	Mumbai Indians	Mumbai Indians	field	normal

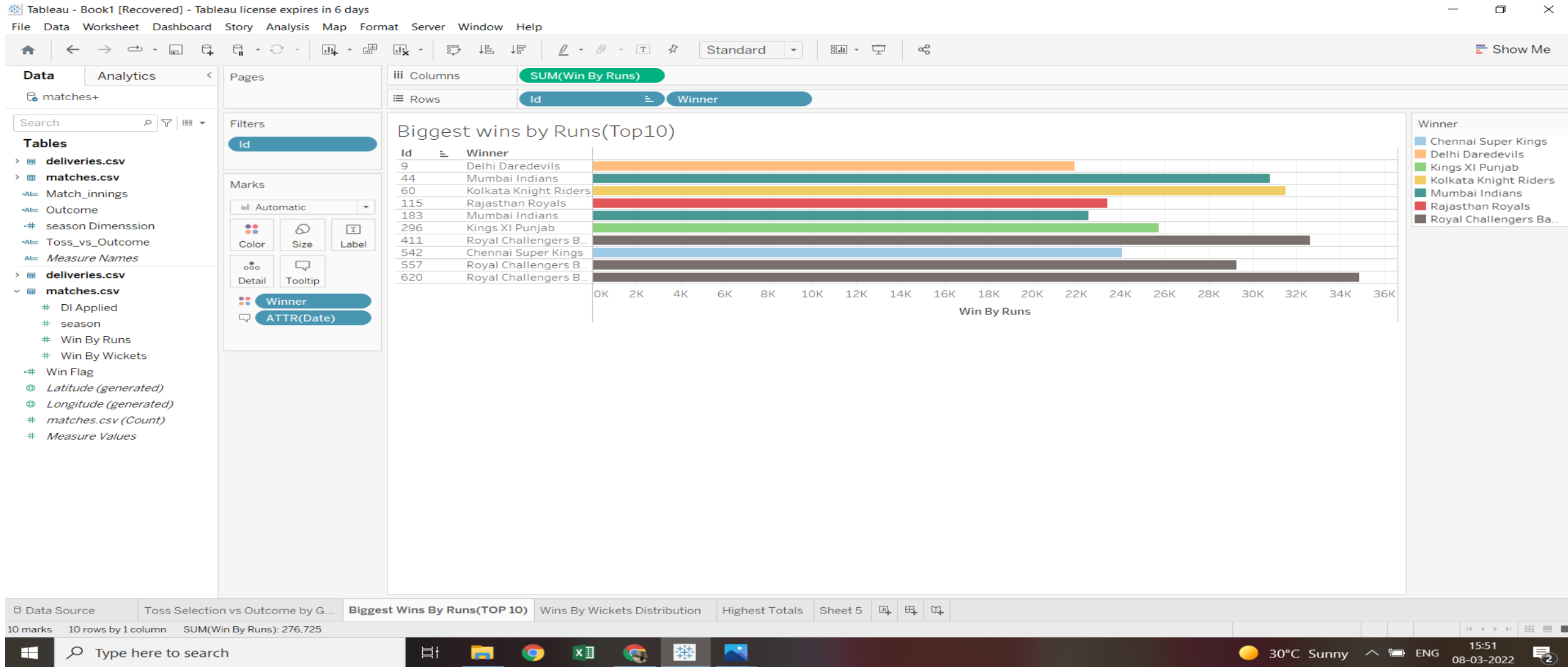
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355	2,012	2012	Mumbai	06-05-2012	Chennai Super Kings	Mumbai Indians	Mumbai Indians	field	normal	

sv	# Calculation Win Flag	Abc Calculation Outcome	Abc Calculation Toss_vs_Outcome	Abc Calculation Match_innings	# Calculation Fours	# Calculation Sixes	Abc Calculation Man of the Match	# Calculation Win %	Abc Calculation Home vs Away	Abc Calculation All Seasons Stats
	null	Lost	Toss Winner Won	10_1	0	0	null	null	null	2017
	null	Lost	Toss Winner Lost	384_1	0	0	null	null	null	2013
	null	Lost	Toss Winner Lost	487_1	0	0	null	null	null	2014
	null	Lost	Toss Winner Lost	25_1	0	0	null	null	null	2017
	null	Lost	Toss Winner Lost	473_1	0	0	null	null	NA	2014
	null	Lost	Toss Winner Won	176_1	0	0	null	null	null	2010
	null	Lost	Toss Winner Lost	519_1	0	0	null	null	null	2015
	null	Lost	Toss Winner Won	404_1	0	0	null	null	null	2013
	null	Lost	Toss Winner Won	371_1	0	0	null	null	null	2012
	null	Lost	Toss Winner Won	169_1	0	0	null	null	NA	2009
	null	Lost	Toss Winner Won	61_1	0	0	null	null	null	2008
	null	Lost	Toss Winner Lost	91_1	0	0	null	null	null	2008
	null	Lost	Toss Winner Won	297_1	0	0	null	null	null	2011
	null	Lost	Toss Winner Won	355_1	0	0	null	null	null	2012

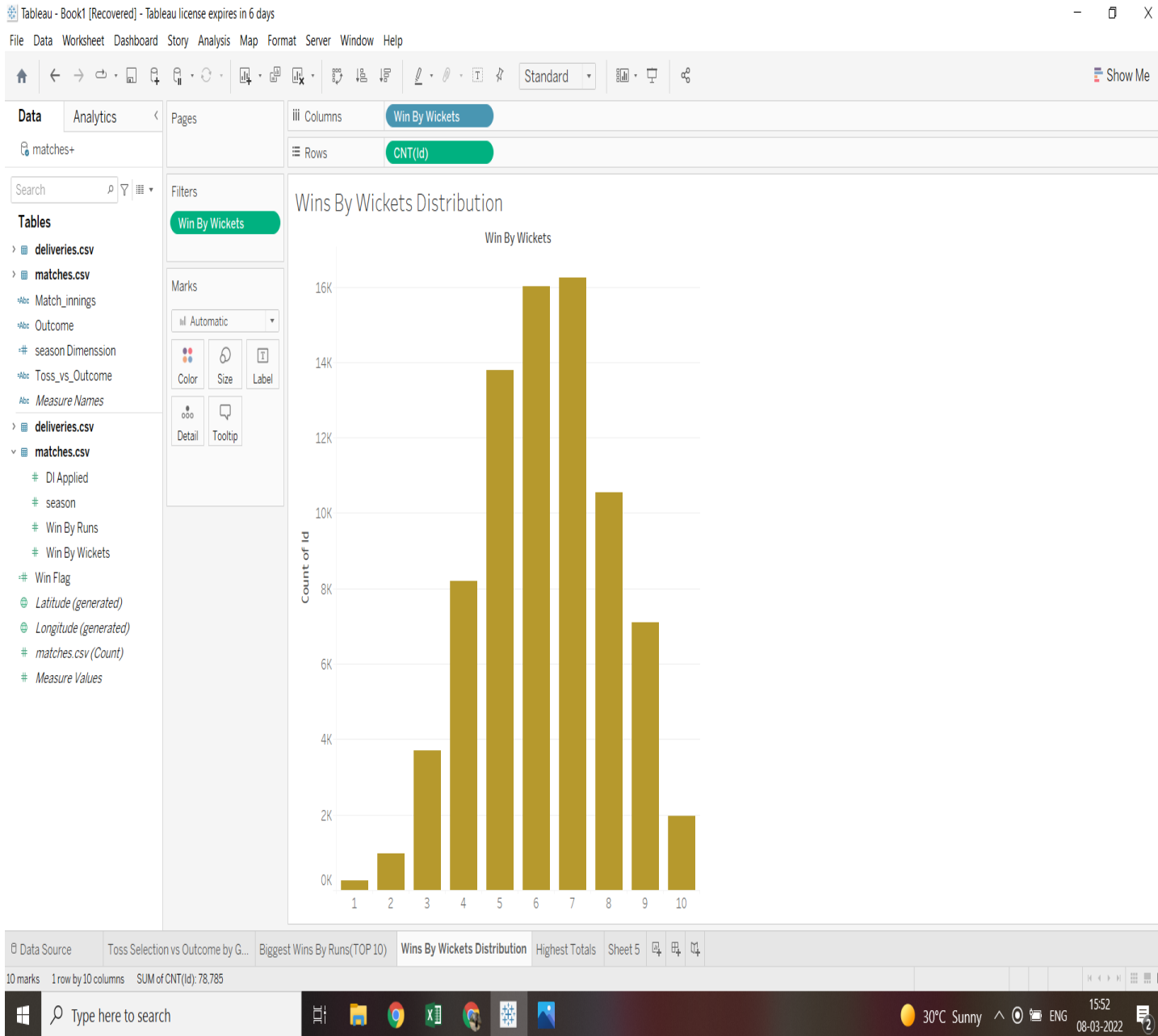
MATCH STATISTICS



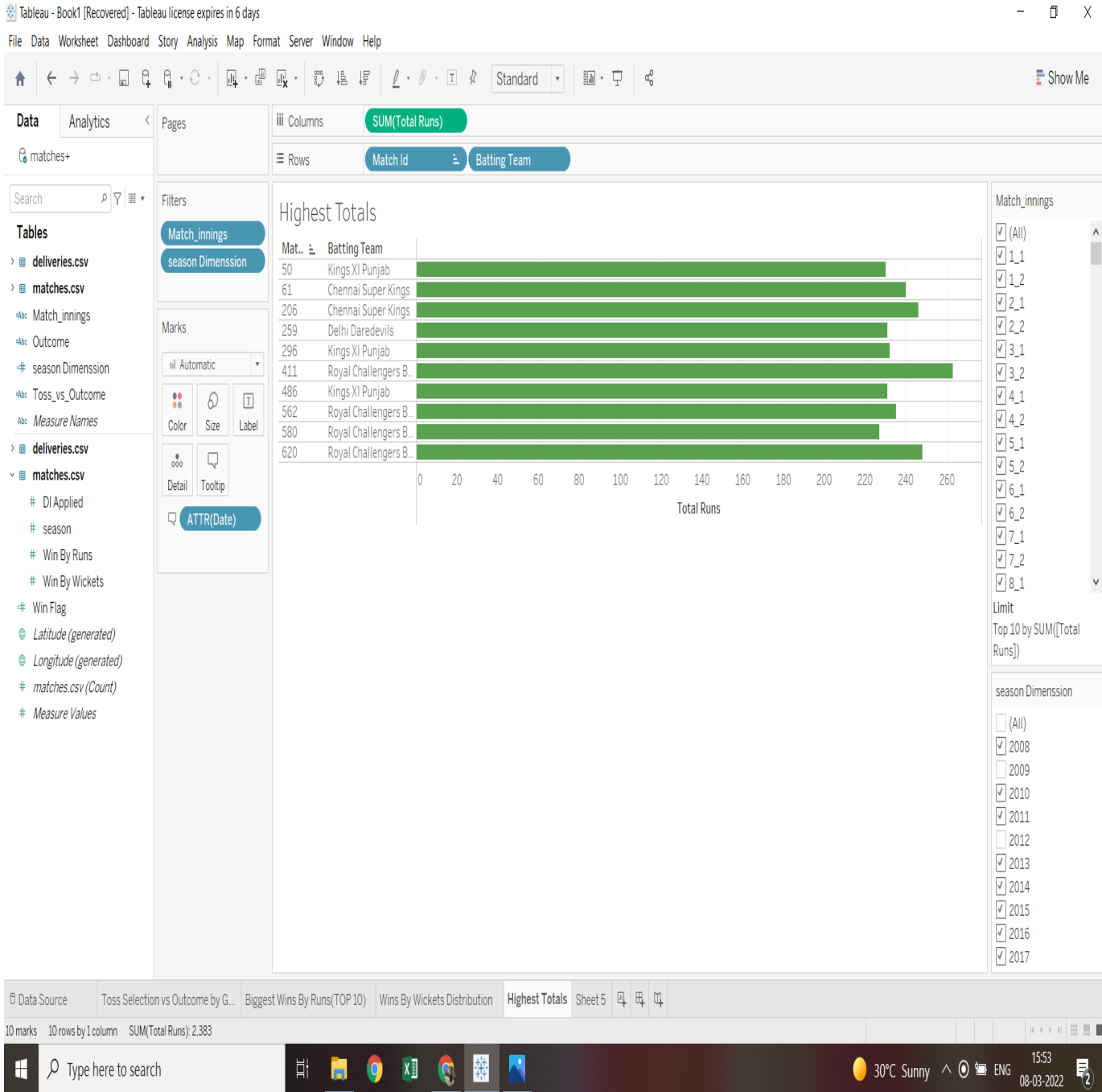
- This provides the info of what the outcome of match was (win vs loss) based on the decision of toss winner bat vs field. Toss winner won 124 times when toss decision is bat.
- Toss winner won 196 times when toss decision is field.



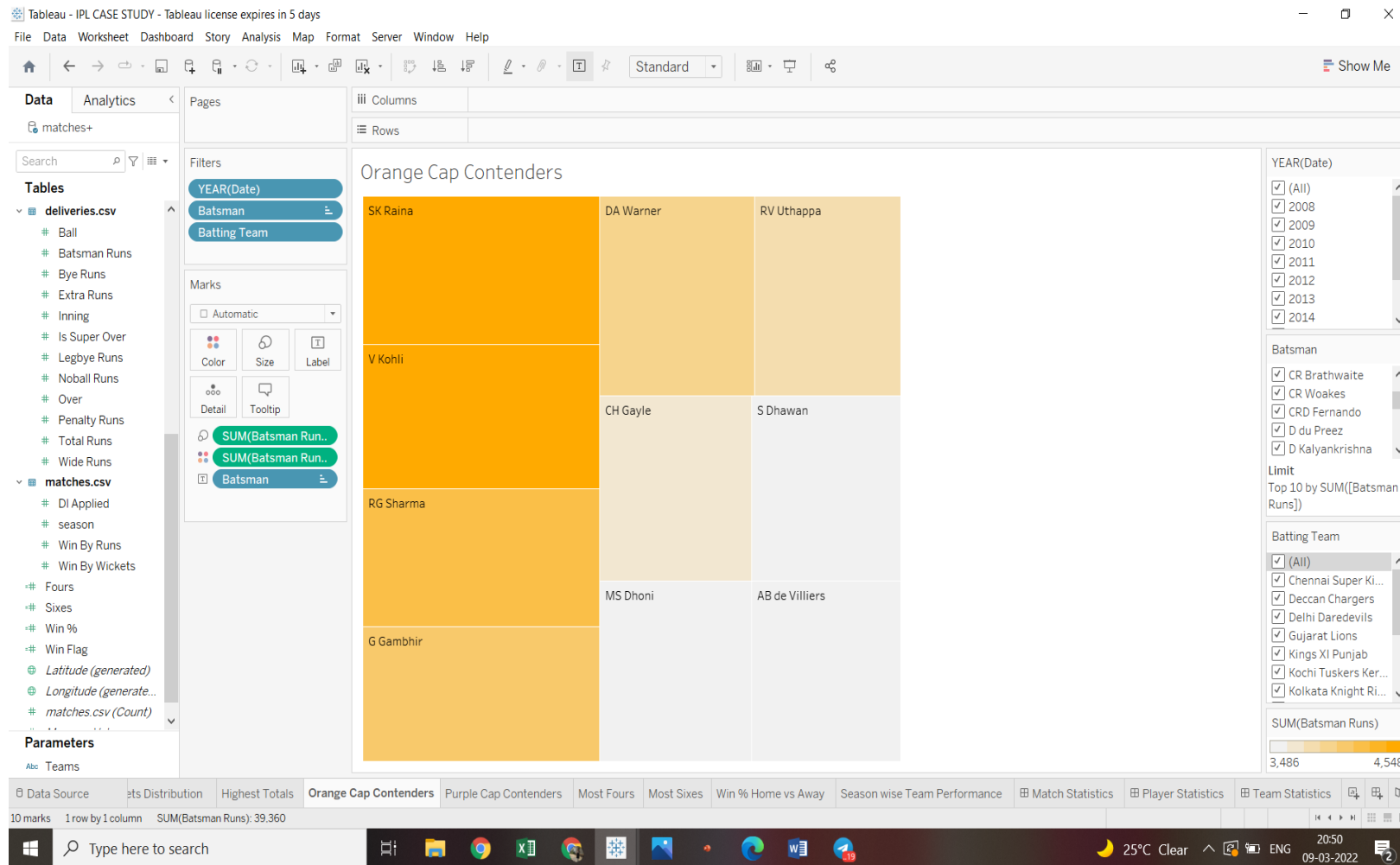
- This shows the top 10 biggest winner by runs.



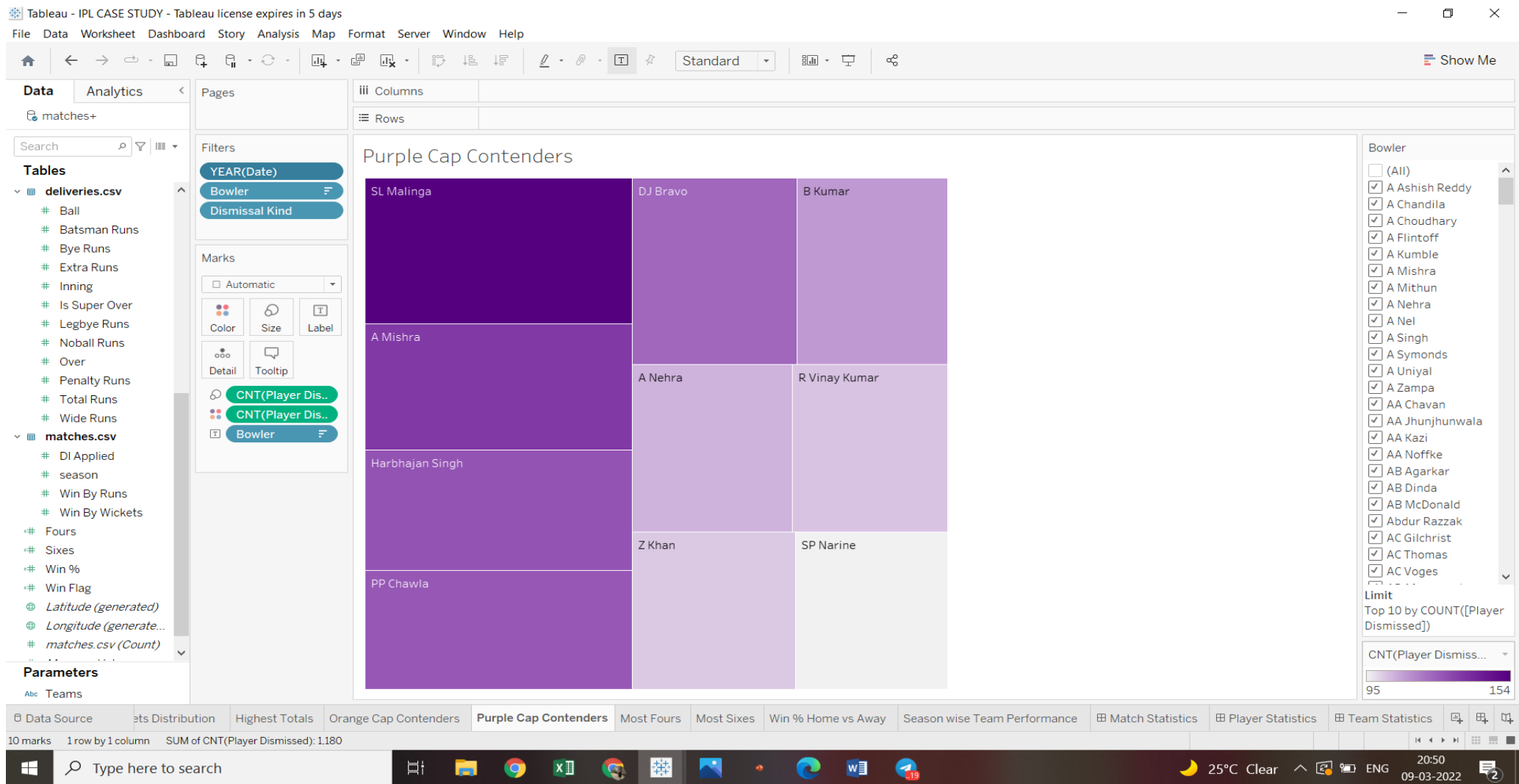
- This image shows win by wicket distribution.
- As we can see the highest win by wickets 7 with the count of id 16,248



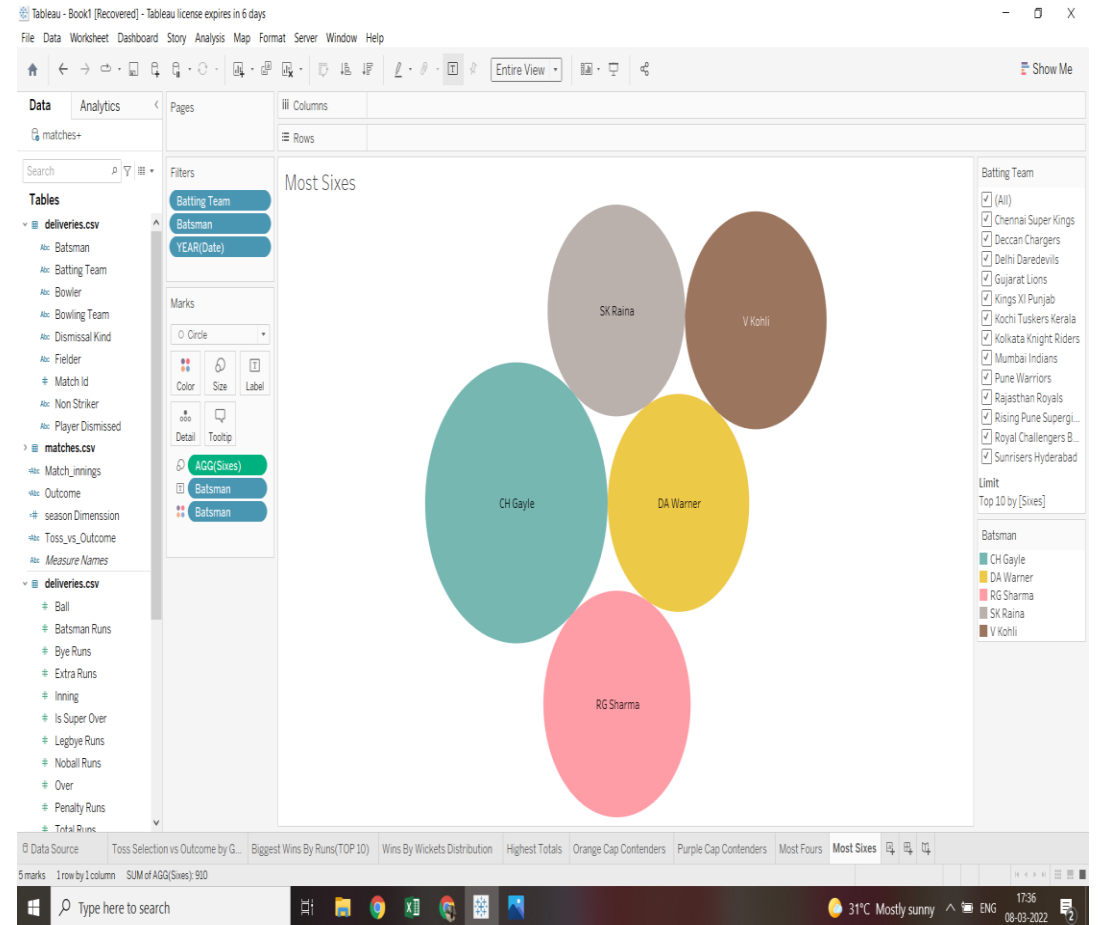
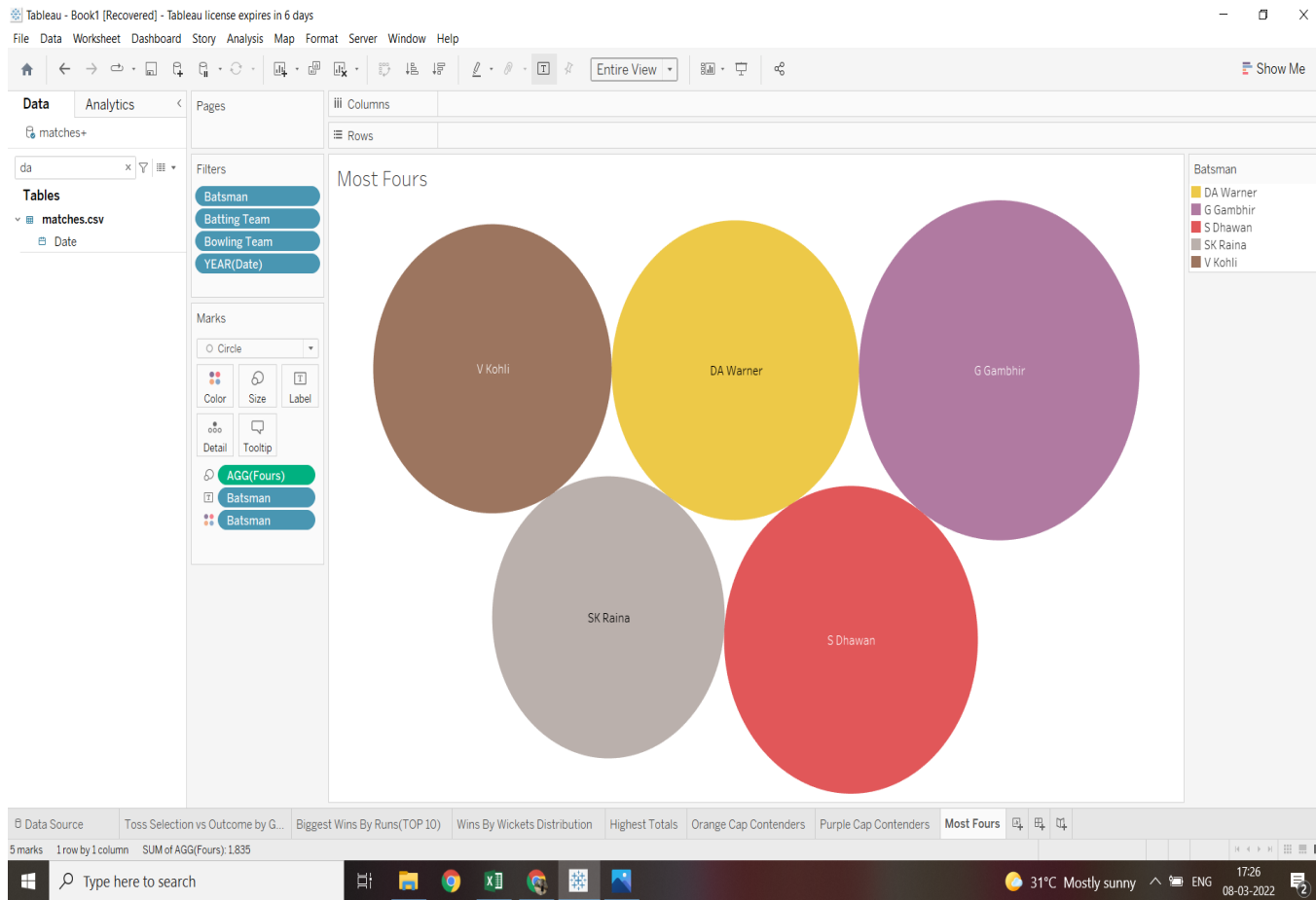
- Here it is showing the total runs according to season.
- Royal challengers bangalore runs highest compared to others.



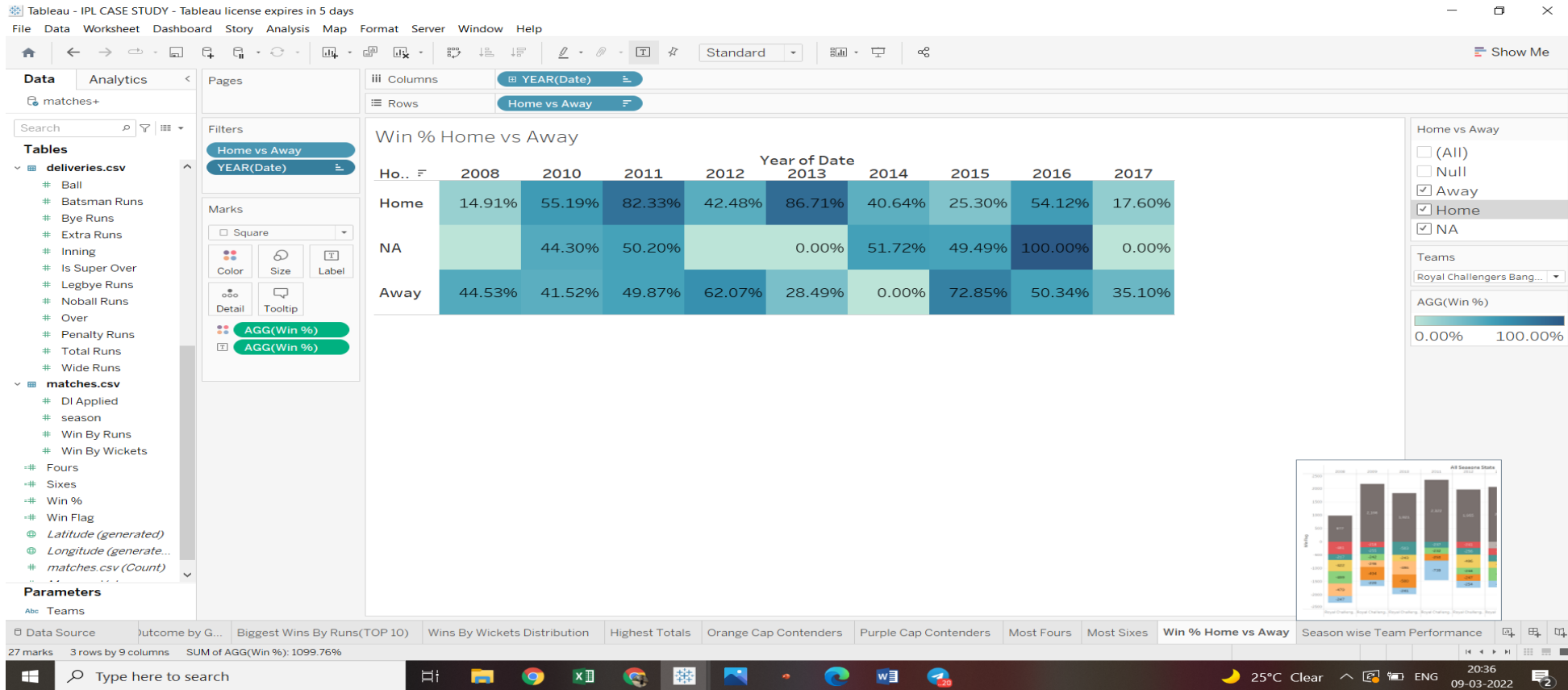
- As we can see above the Orange cap contender is showing the top 10 batsman with their runs.



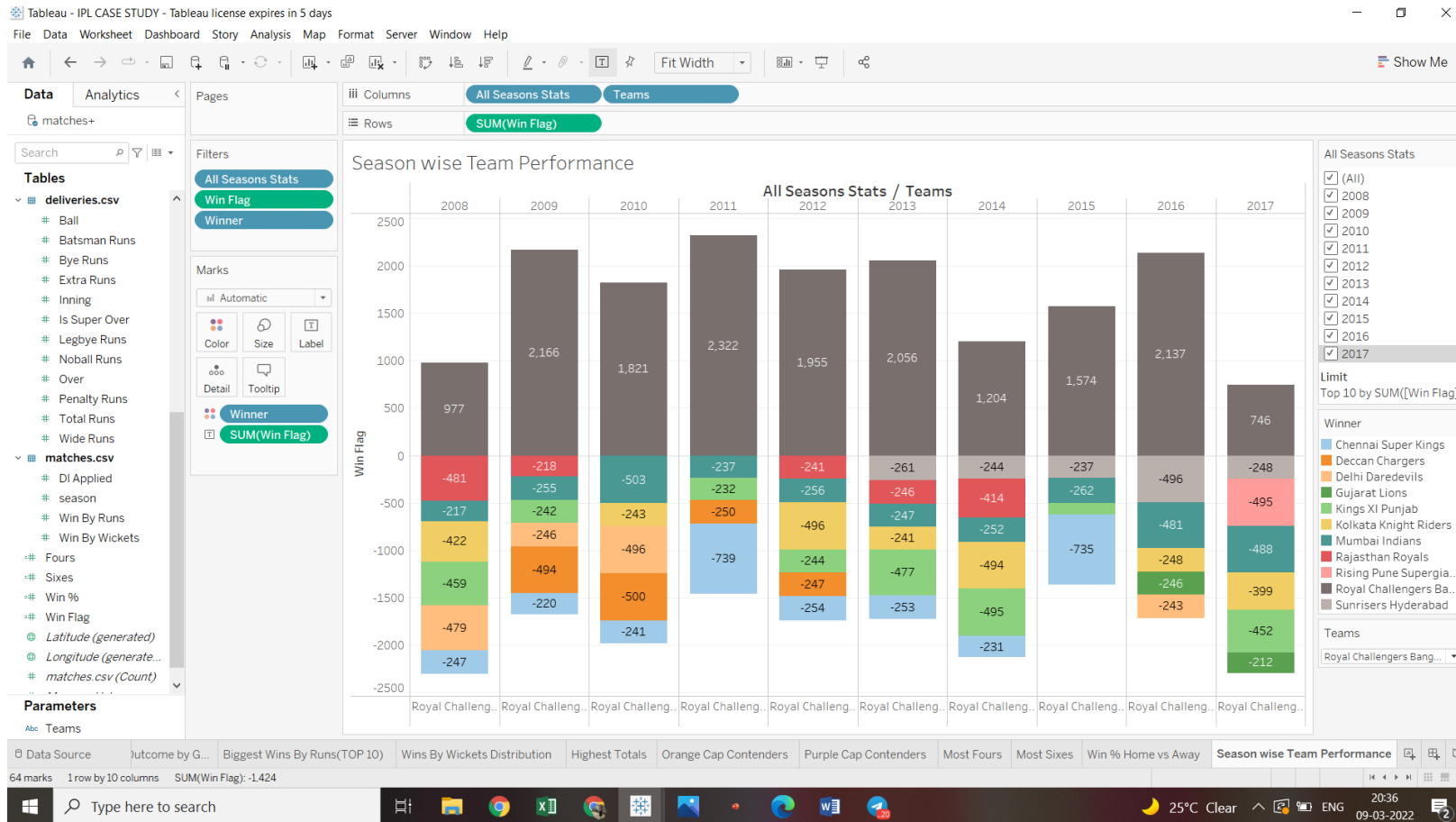
- As seen above in Purple cap contenders we can see the top 10 bowlers and the count of player dismissed.



- In the above image its showing who hits most fours and most sixes.
- Clearly it is visible that G gambhir hits most of fours and CH gayle hits most of sixes



- Dark colours are indicates highest winning percentage.
- Win% home vs Away provides the winning percentage



For the selected team, the season performance shows the journey of the team match by match over the season.

CONCLUSION

- This IPL dataset analysis helped me to analyse how the game is balanced in cricket and to potentially identify the factors affecting the winning of the match.
- Total number of matches held from 2008 to 2017 is 637.
- Highest 196 toss won by the winner.
- Royal challengers bangalore won by the highest runs 34,848.
- CH gayle has hit 266 number of sixes which is the most no of sixes per person.
- G gambhir has hit 458 fours which is the most no of fours per person.