IPL Visualization Assignment

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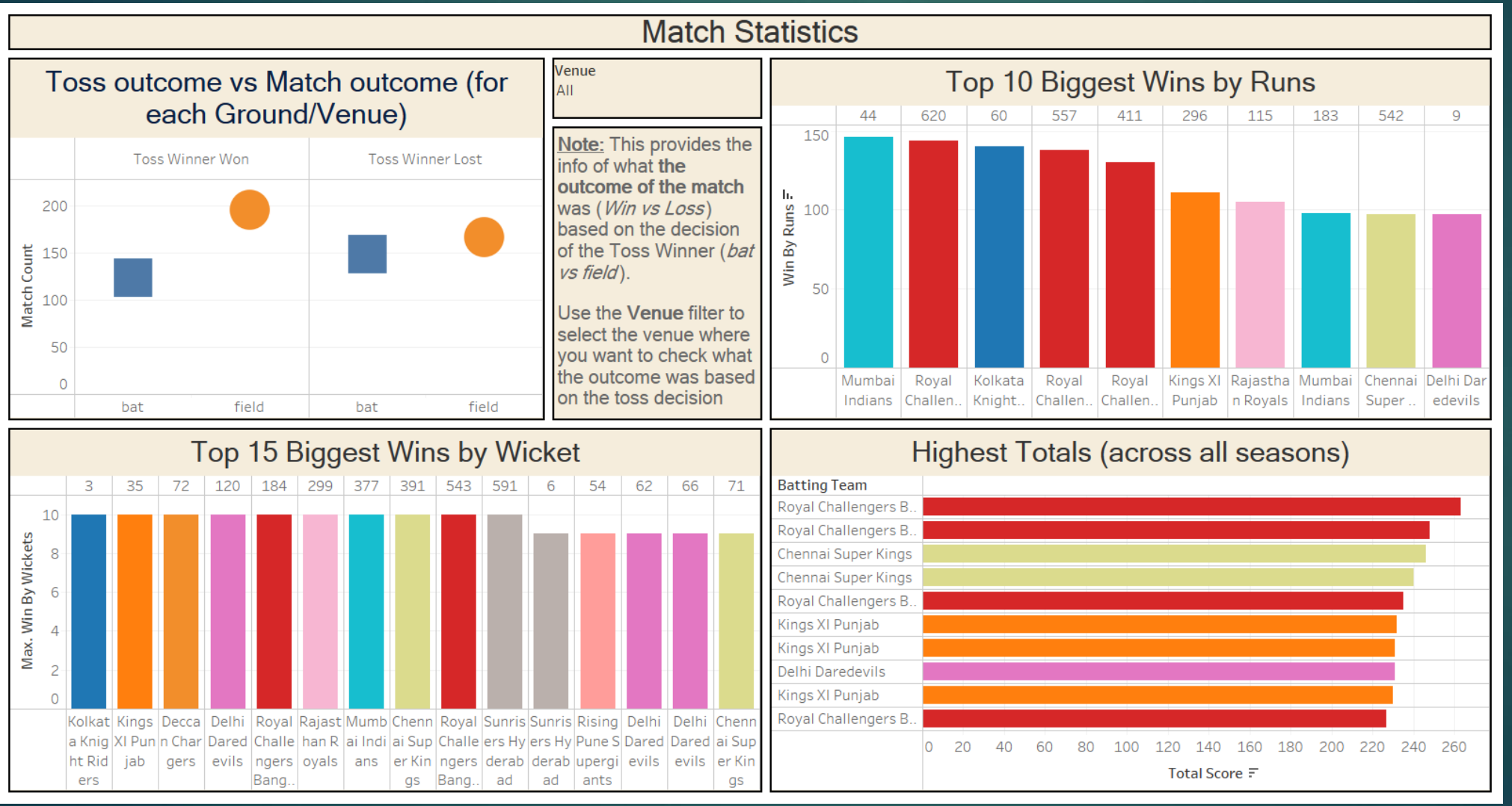
Problem Statement

- 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.

- As a data analyst, our objective is to build a Tableau dashboard of IPL statistics over the years since its inception in order to create an infographic for a newsletter. For the infographic, in some cases, we will directly use the visual representations that were created in Tableau, and in a few other cases, we will use important statistics after trying out different filters and customizations which were provided for interactivity. Therefore, the expectation is to build an interactive dashboard in Tableau for this purpose.

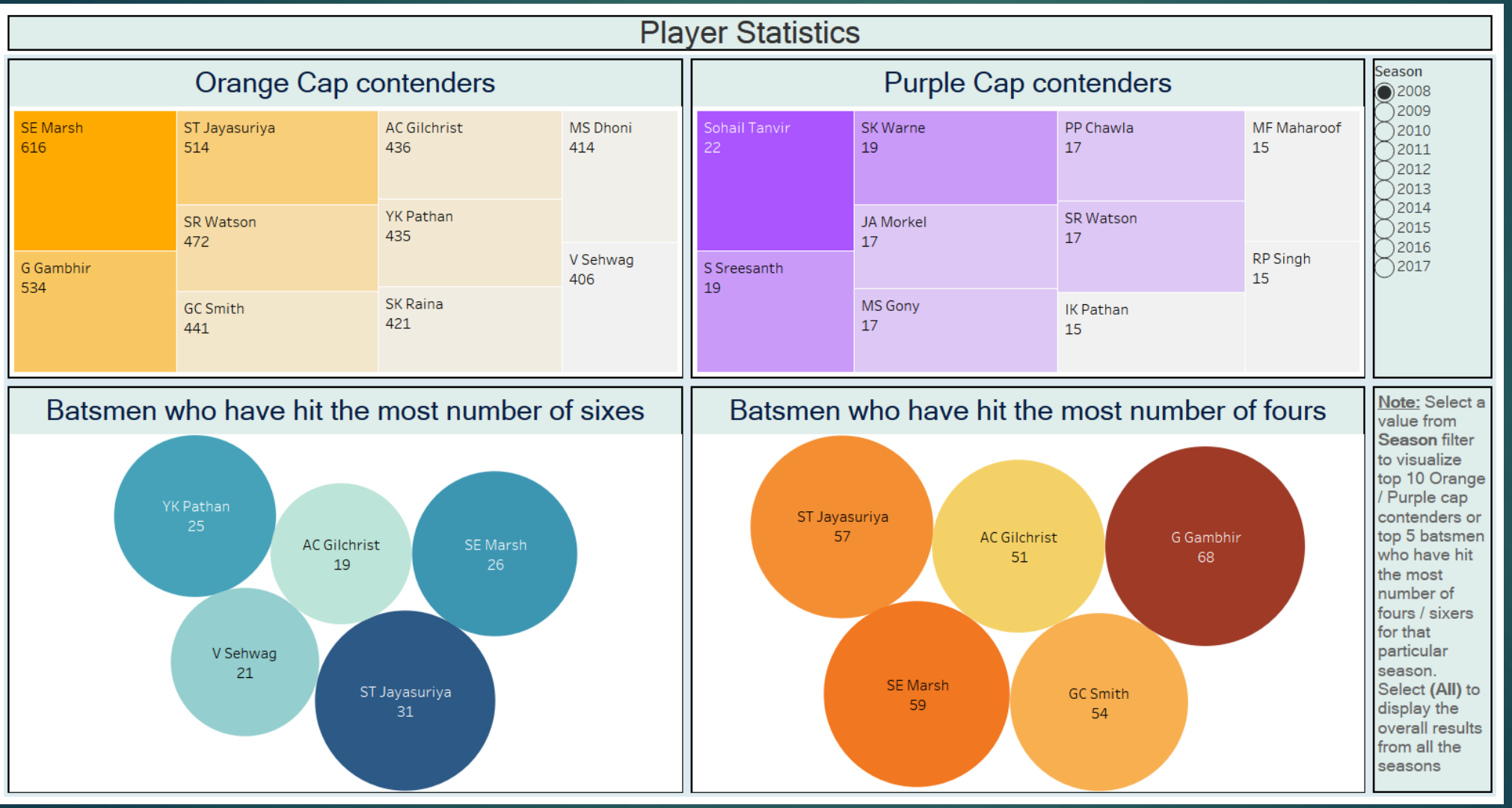
Dashboard 1 : Match Statistics



Insights: This dashboard gives the overall match statistics like the match outcome based on toss (whether toss winner won or lost the match), Biggest team wins by runs & wickets and the highest total scored across all seasons.

Assumptions: The visualization shown here is based across all seasons & not a particular season.

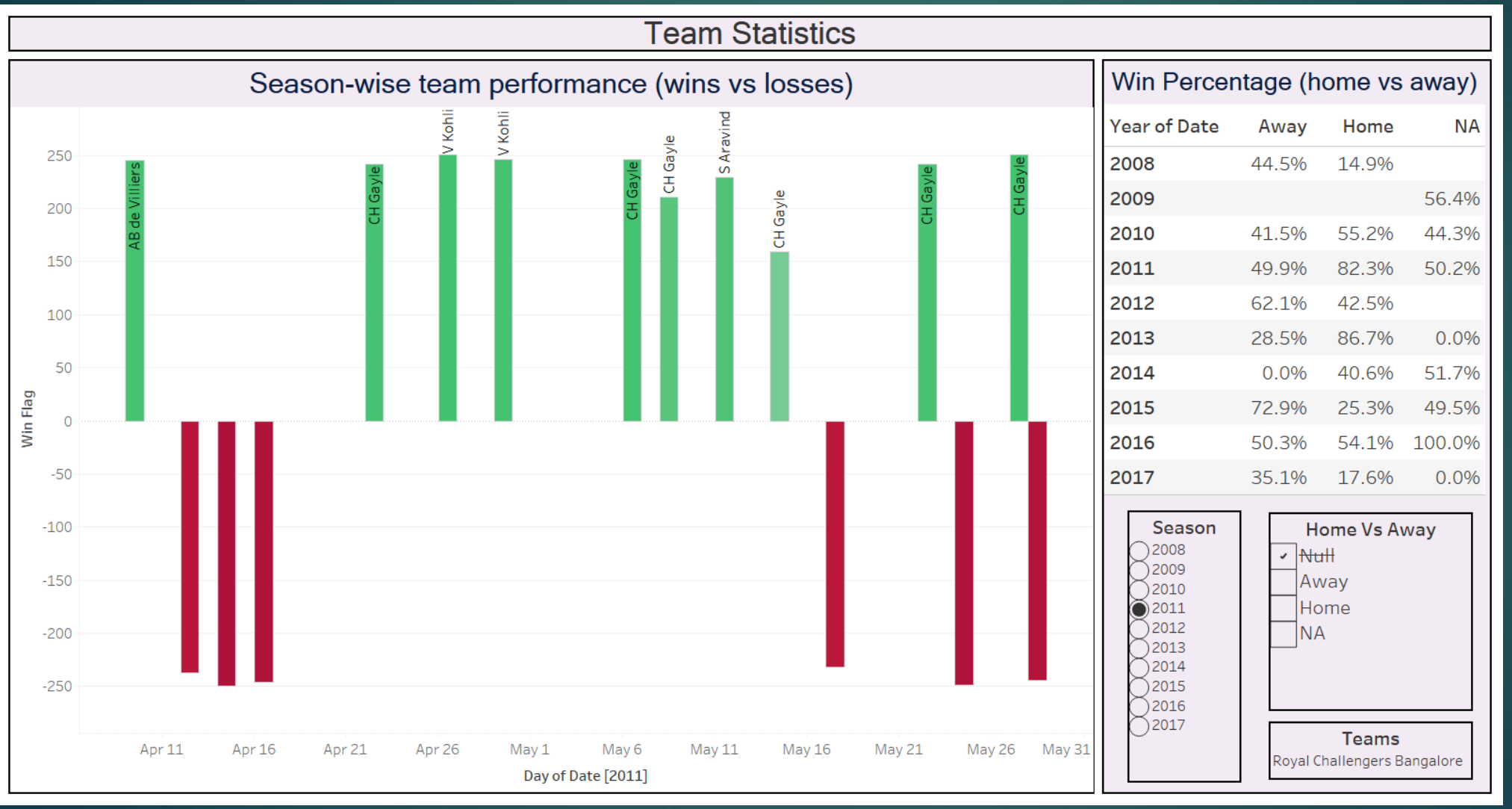
Dashboard 2 : Player Statistics



Insights: This dashboard gives the player statistics like the batsmen who have hit maximum number of fours & sixes in a particular season and also batsmen who have scored maximum runs and bowlers who have taken maximum wickets in a particular season.

Assumptions: The visualization shown here is based on a particular season that is selected.

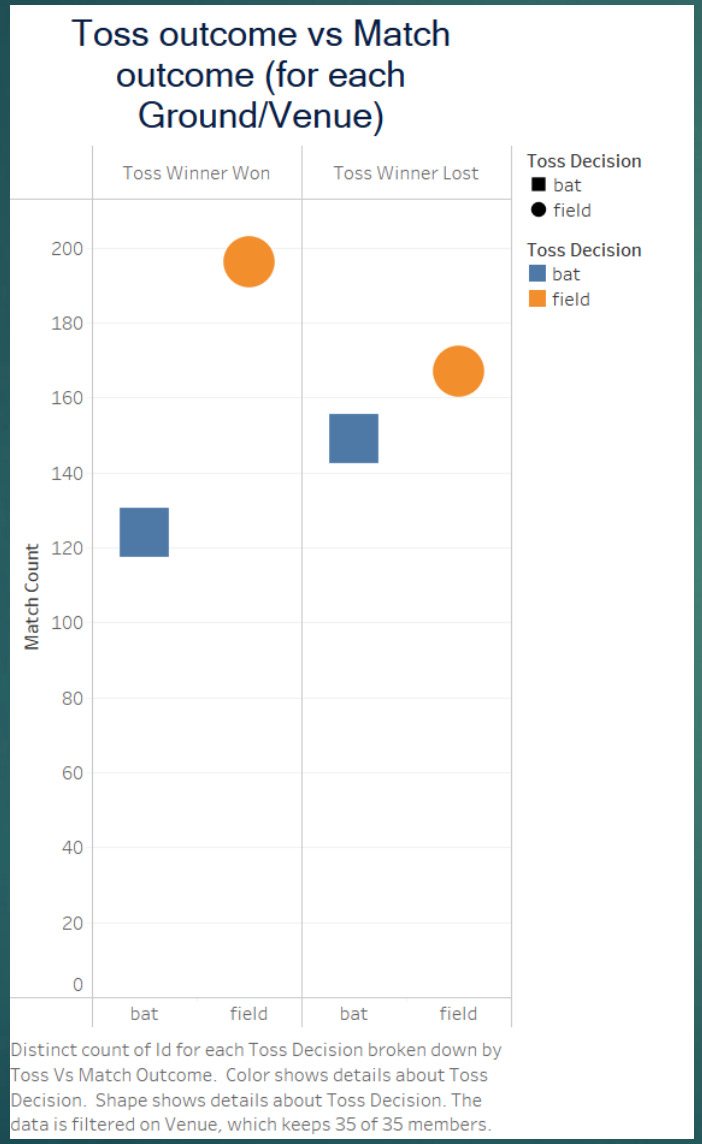
Dashboard 3 : Team Statistics



Insights: This dashboard gives the team statistics like season wise particular team's performance and also overall Win Percentage of a particular team at their home ground Vs away ground.

Assumptions: The visualization shown here is based on the selection of the Team as well as a particular season. Win percentage is only based on the team selection.

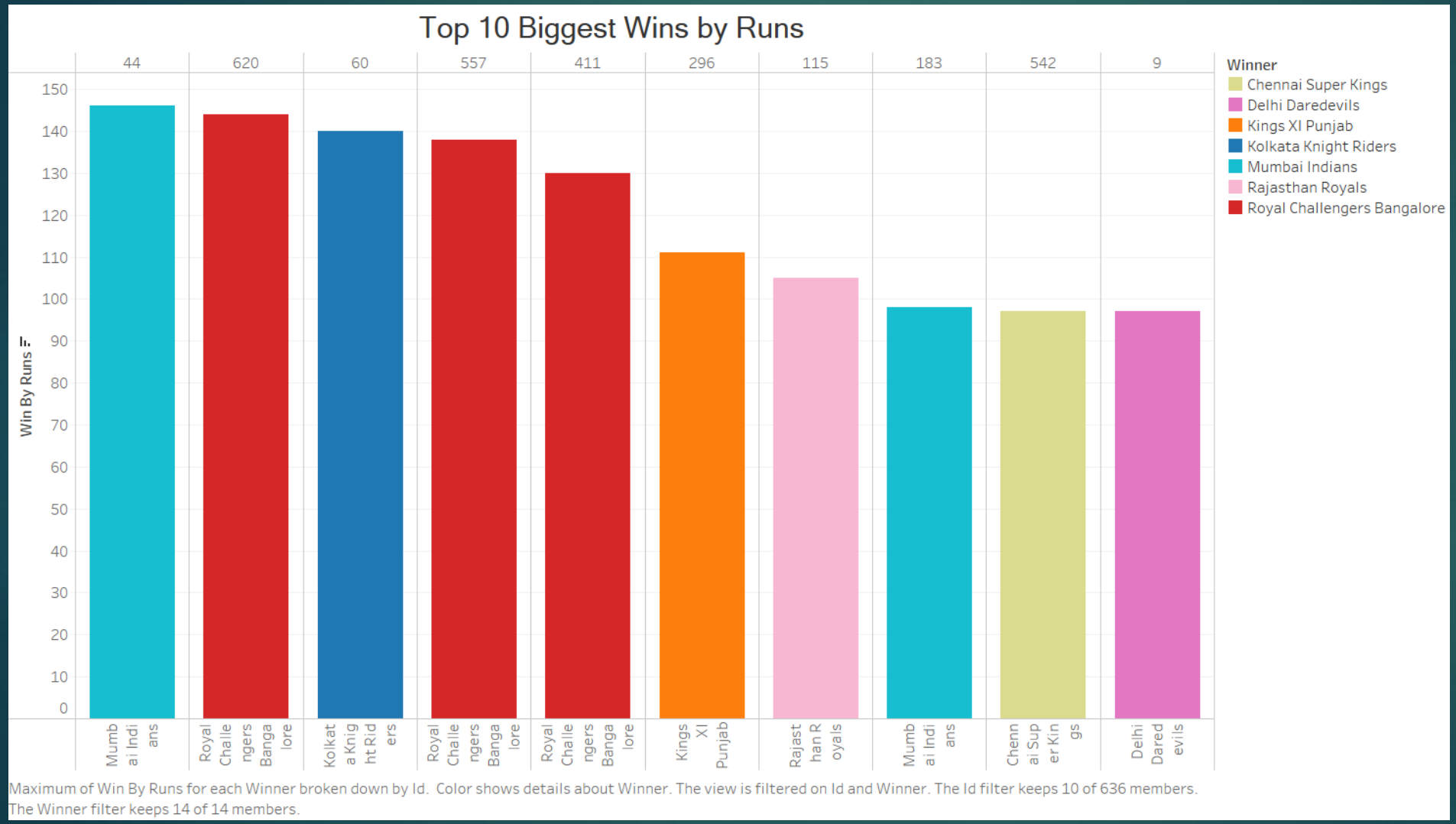
Toss Outcome Vs Match Outcome



Insights: This visualization shows the match outcome based on toss outcome i.e., whether toss winner at a particular venue won or lost the match across all seasons. It also shows whether the toss winner elected to bat or field first.

Assumptions: The visualization shown here is based across all seasons & not a particular season.

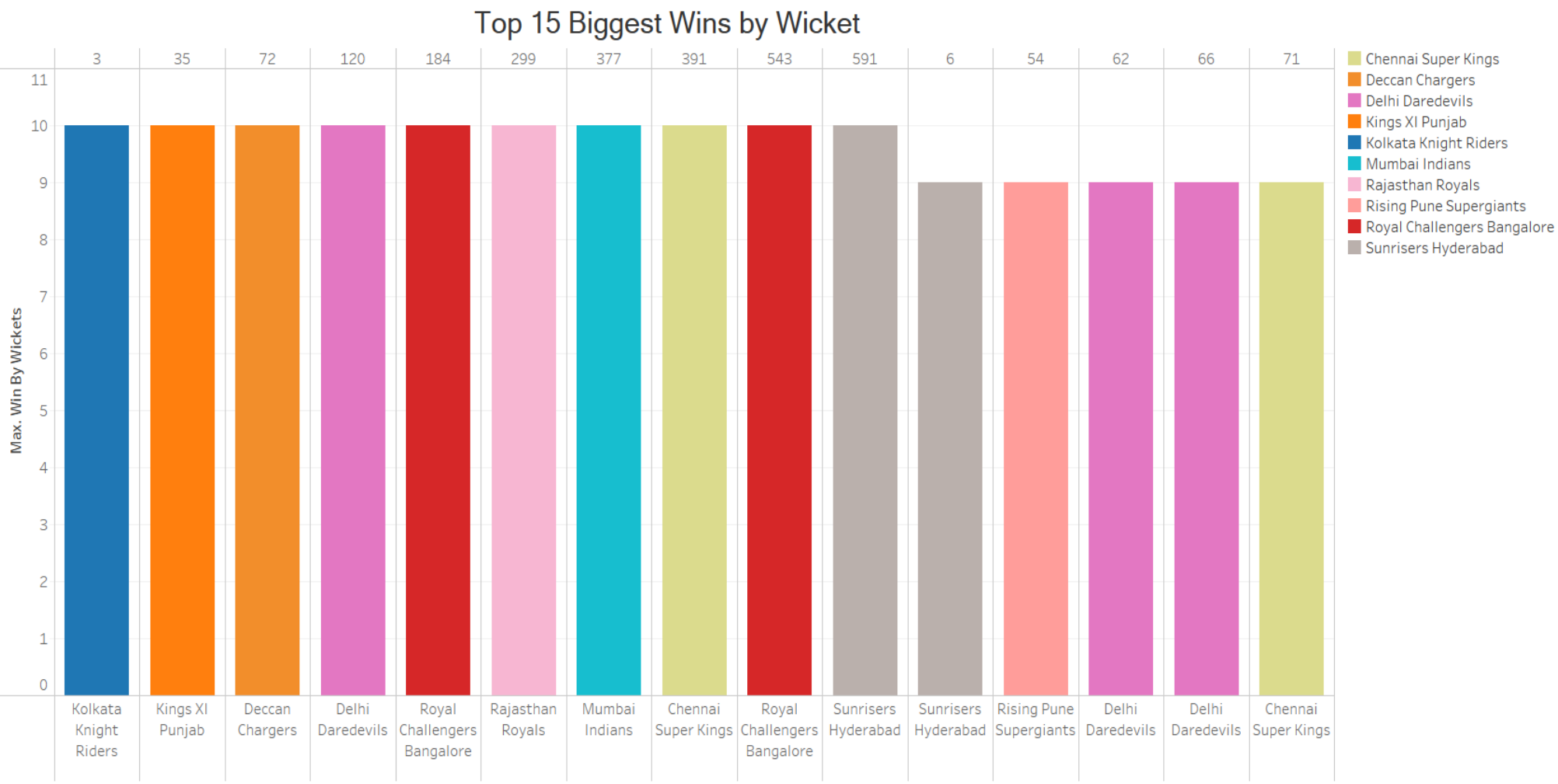
Biggest Wins by Runs



Insights: This visualization shows the top 10 Biggest team wins by runs across all seasons. Mumbai Indians are leading the chart who have won a match by a margin of around 145 runs closely followed by Royal Challengers Bangalore.

Assumptions: The visualization shown here is based across all the seasons & not a particular season.

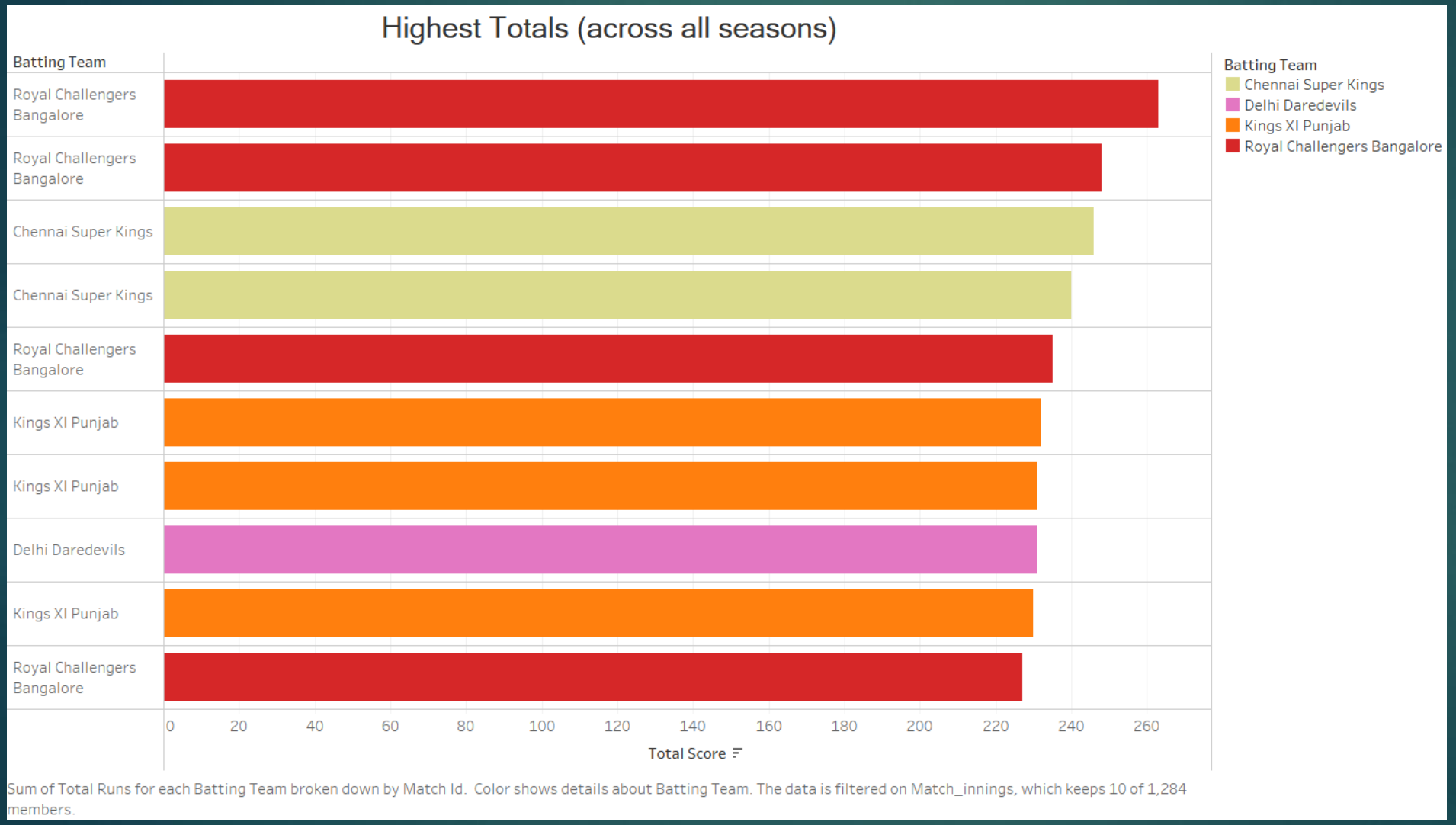
Biggest Wins by Wickets



Insights: This visualization shows the top 15 Biggest team wins by wickets across all seasons. There have been around 10 matches where the teams batting second have won the match without losing a single wicket.

Assumptions: The visualization shown here is based across all the seasons & not a particular season.

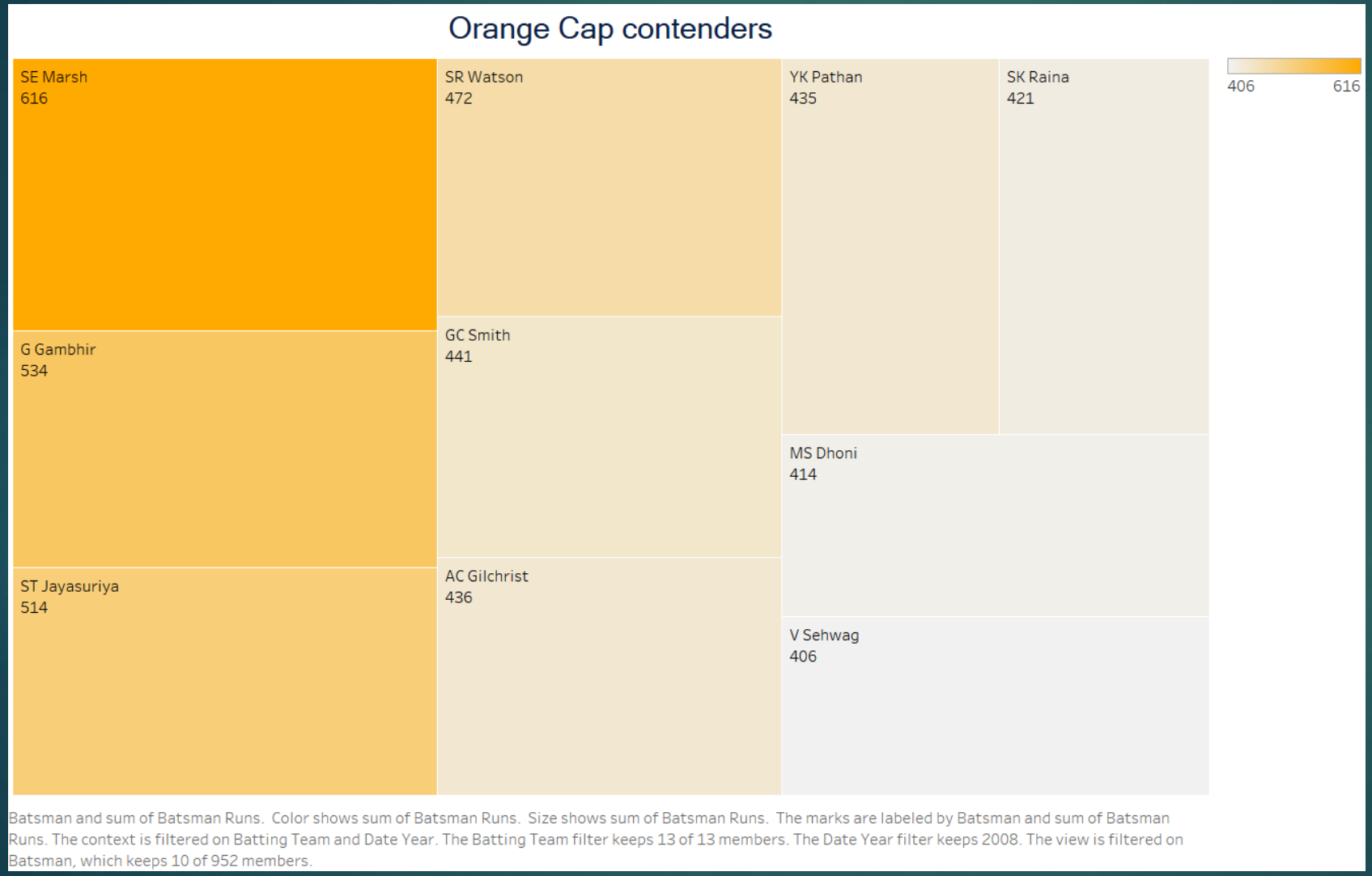
Highest Totals



Insights: This visualization shows the top 10 teams that have scored highest total runs in a particular match across all seasons. Royal Challengers Bangalore are leading the chart who have scored a highest total of around 265 runs.

Assumptions: The visualization shown here is based across all the seasons & not a particular season.

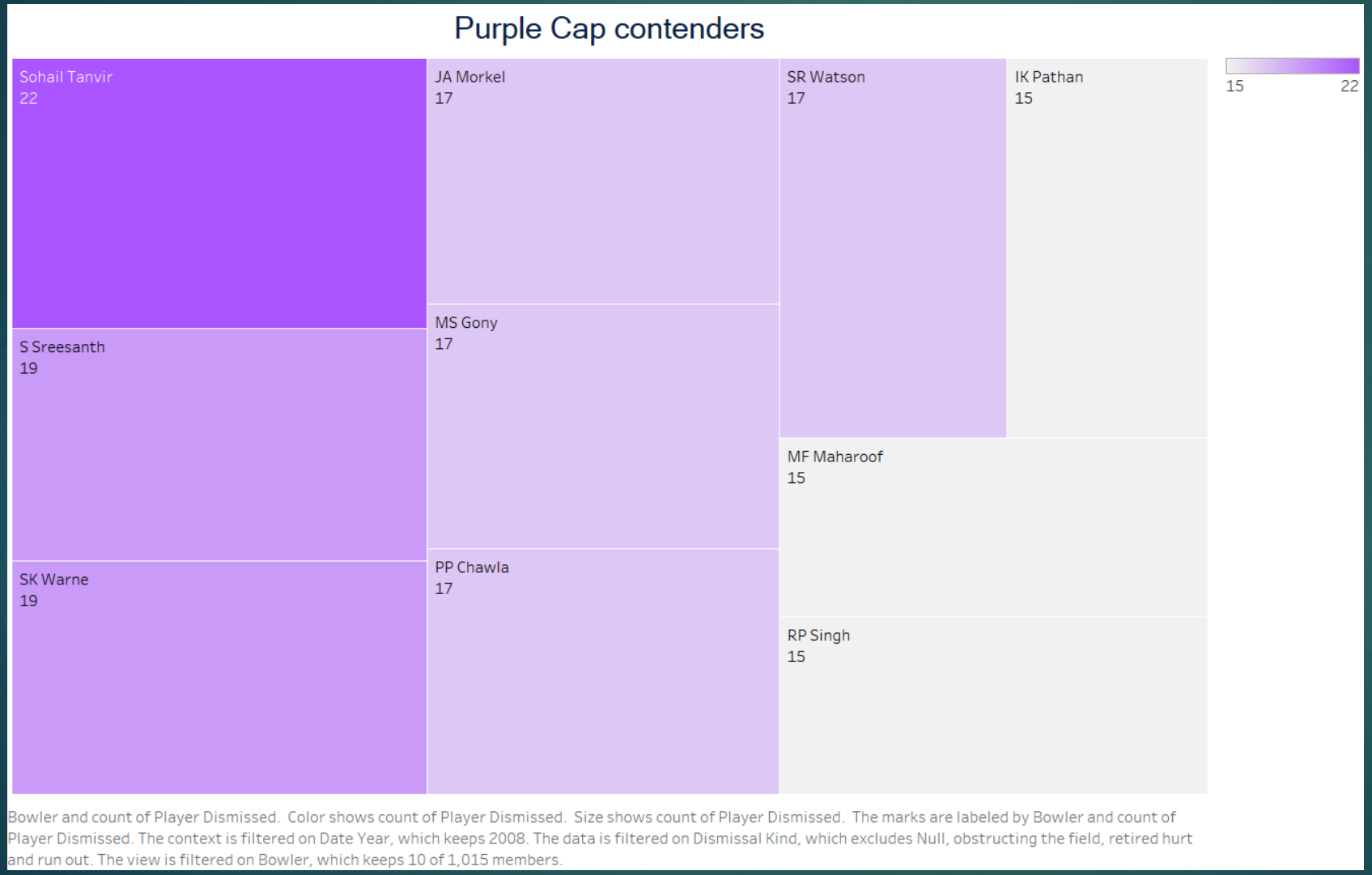
Orange Cap Contenders



Insights: This visualization shows top 10 batsmen who have scored maximum number of runs in 2008. SE Marsh held the orange cap in the first IPL season – 2008 with a total of 616 runs.

Assumptions: The visualization shown here is based on a particular season that is selected.

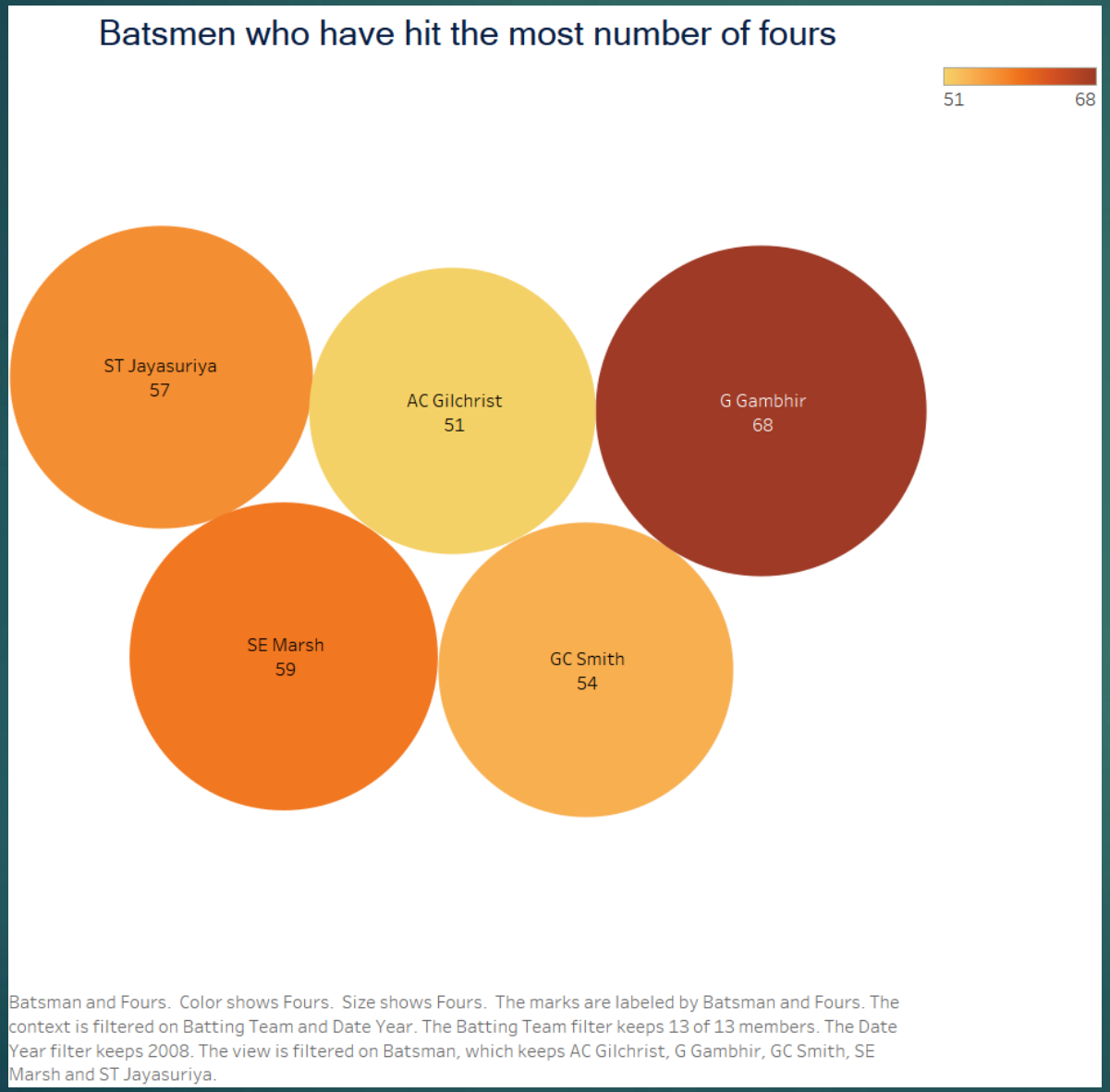
Purple Cap Contenders



Insights: This visualization shows top 10 bowlers who have taken maximum number of wickets in 2008. Sohail Tanvir held the purple cap in the first IPL season – 2008 with a total of 22 wickets.

Assumptions: The visualization shown here is based on a particular season that is selected.

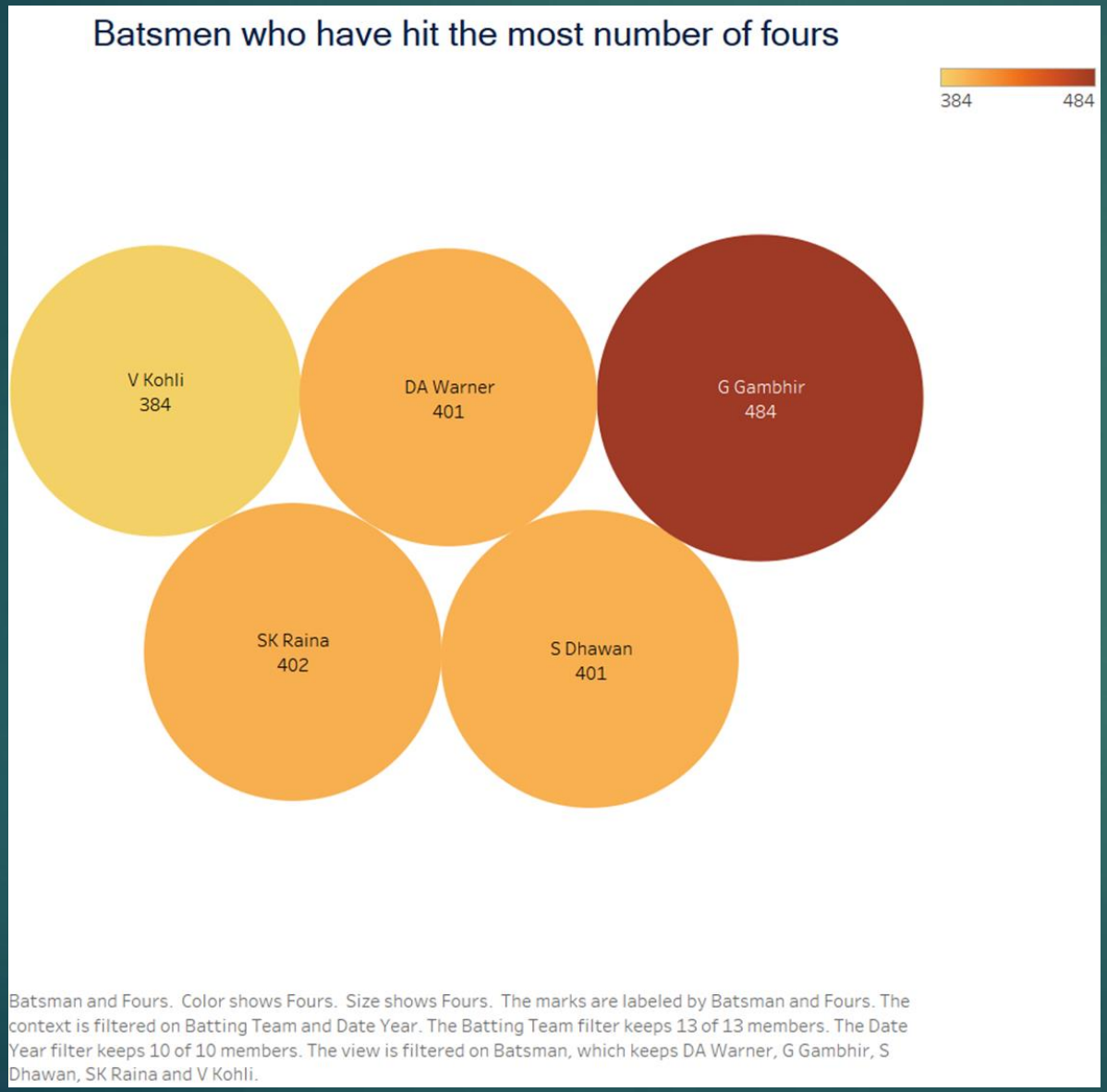
Batsmen who have hit the most number of fours (per season)



Insights: This visualization shows top 5 batsmen who have hit the most number of fours in 2008. G Gambhir leads the chart in the first IPL season – 2008 with a total of 68 boundaries (fours).

Assumptions: The visualization shown here is based on a particular season that is selected.

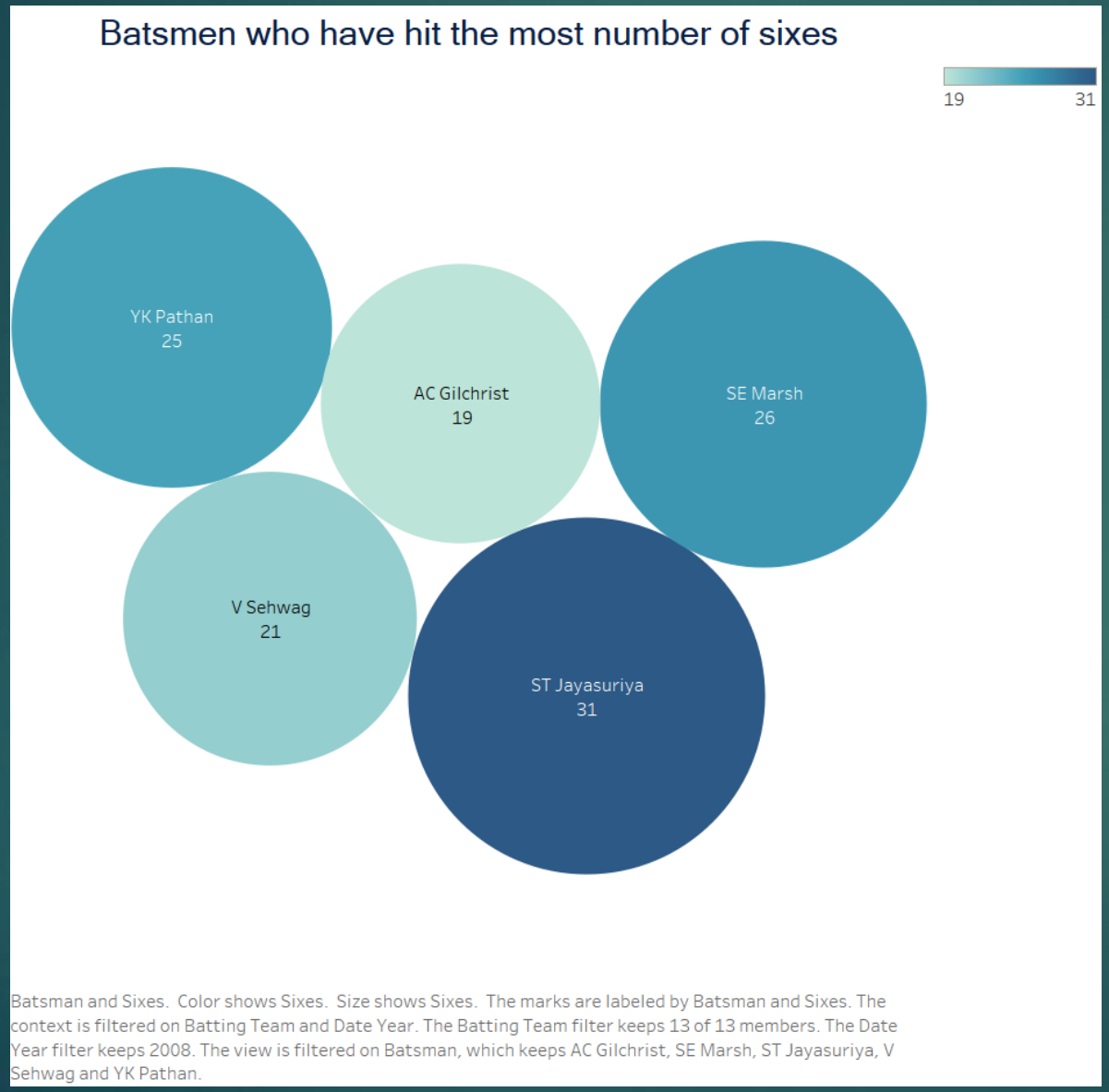
Batsmen who have hit the most number of fours (across all seasons)



Insights: This visualization shows top 5 batsmen who have hit the most number of fours across all seasons. G Gambhir still leads the chart in with a total of 484 boundaries (fours) across all seasons.

Assumptions: The visualization shown here is based across all seasons.

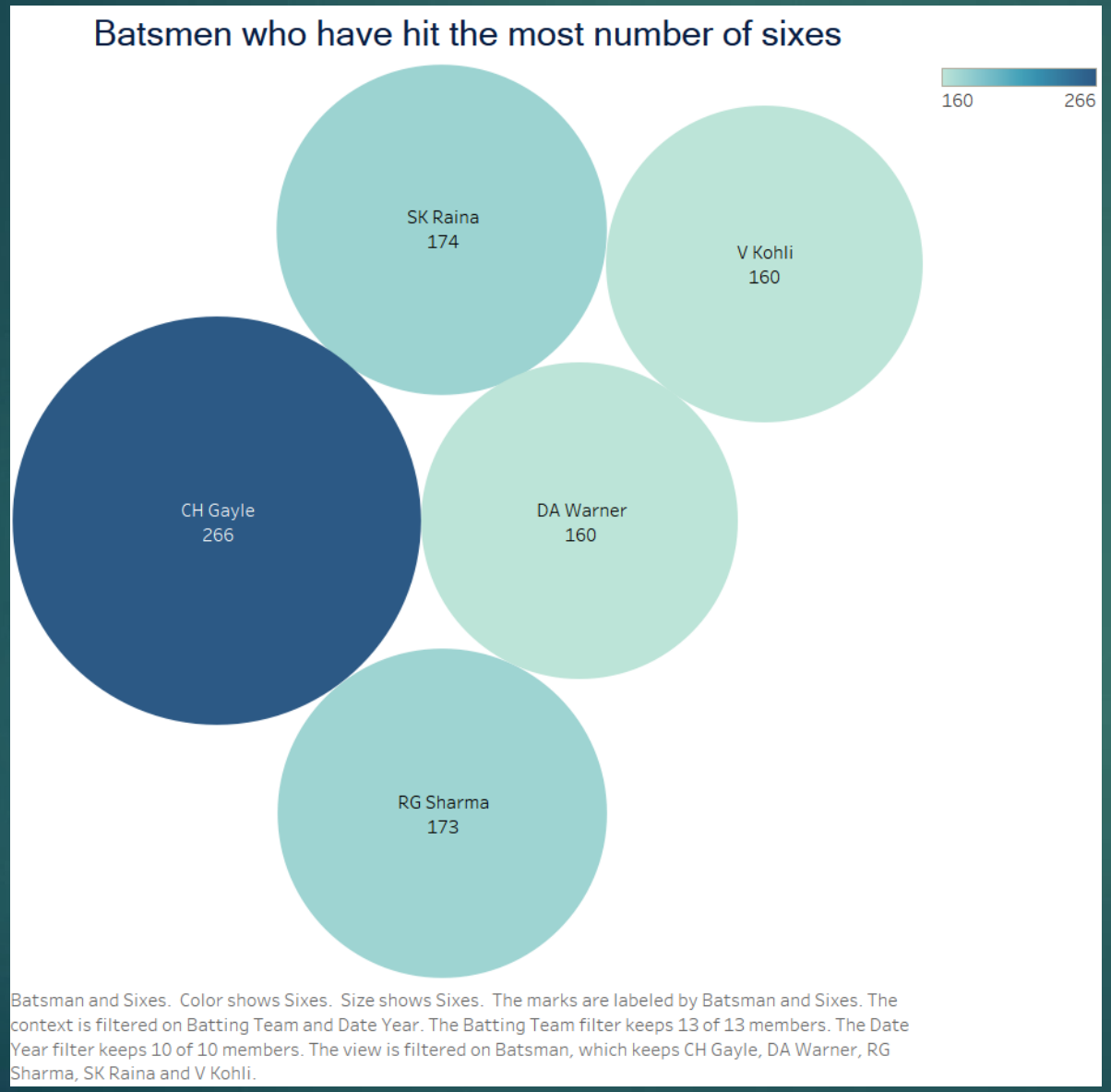
Batsmen who have hit the most number of sixes (per season)



Insights: This visualization shows top 5 batsmen who have hit the most number of sixes in 2008. ST Jayasuriya leads the chart in the first IPL season – 2008 with a total of 31 boundaries (sixes).

Assumptions: The visualization shown here is based on a particular season that is selected.

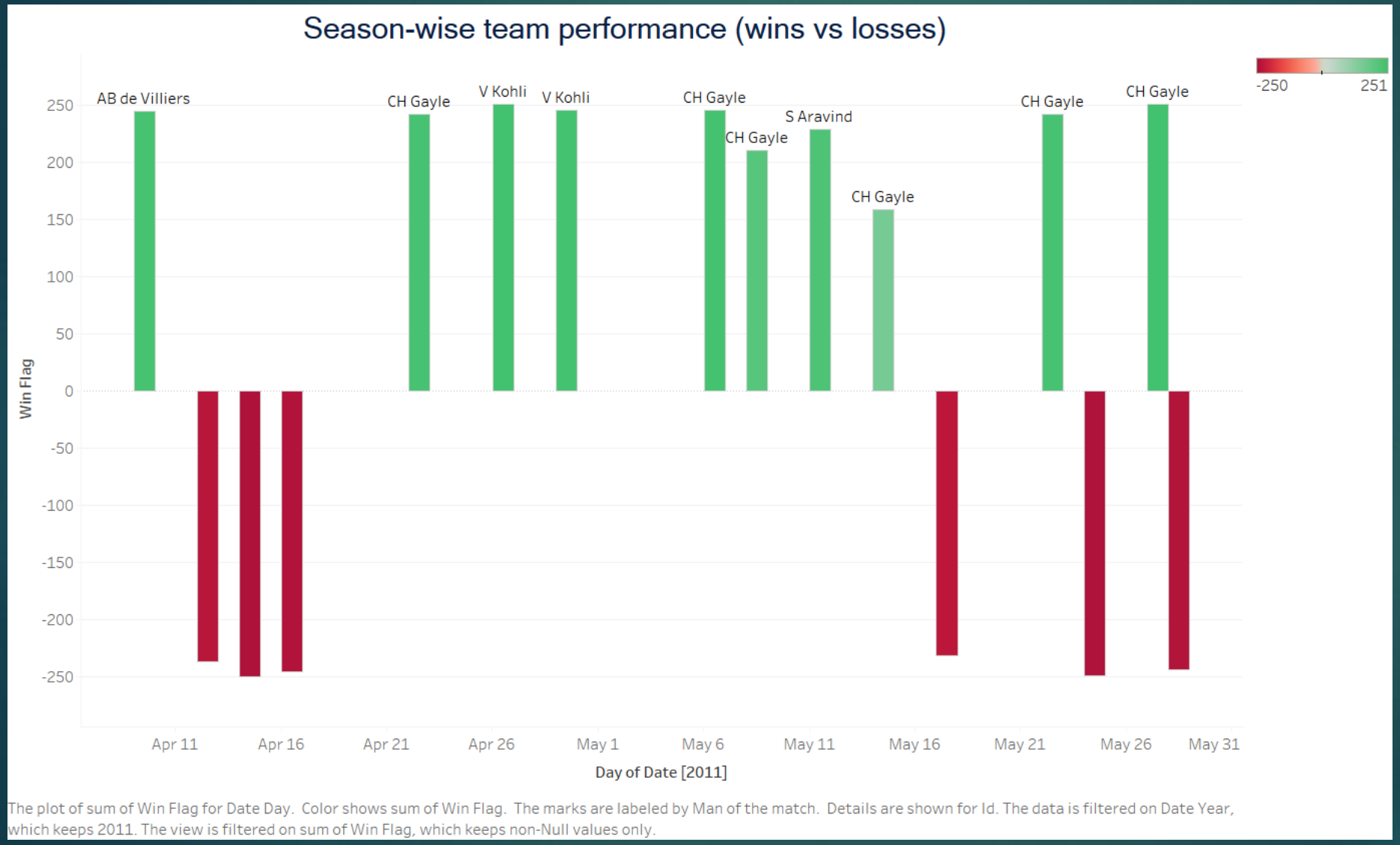
Batsmen who have hit the most number of sixes (across all seasons)



Insights: This visualization shows top 5 batsmen who have hit the most number of sixes across all seasons. CH Gayle leads the chart with a total of 266 boundaries (sixes) across all seasons.

Assumptions: The visualization shown here is based across all seasons.

Season-wise team performance



Insights: This visualization shows season wise team performance for Royal Challengers Bangalore for the season - 2011. Out of the total of 16 matches played, RCB won 10 matches & lost 6 matches. It also shows the Man of the match for each win.

Assumptions: The visualization shown here is based on the selection of the Team as well as a particular season.

Win percentage (home vs away)

Win Percentage (home vs away)

Year of Date	Away	Home	NA
2008	44.5%	14.9%	
2009			56.4%
2010	41.5%	55.2%	44.3%
2011	49.9%	82.3%	50.2%
2012	62.1%	42.5%	
2013	28.5%	86.7%	0.0%
2014	0.0%	40.6%	51.7%
2015	72.9%	25.3%	49.5%
2016	50.3%	54.1%	100.0%
2017	35.1%	17.6%	0.0%

Win Percentage broken down by Home Vs Away vs. Date Year. The view is filtered on Home Vs Away, which keeps Away, Home and NA.

Insights: This visualization shows the season-wise Win Percentage of Royal Challengers Bangalore at their home ground Vs away ground.

Assumptions: The visualization shown here is based on the selection of the Team. No selection of season is required for this visualization