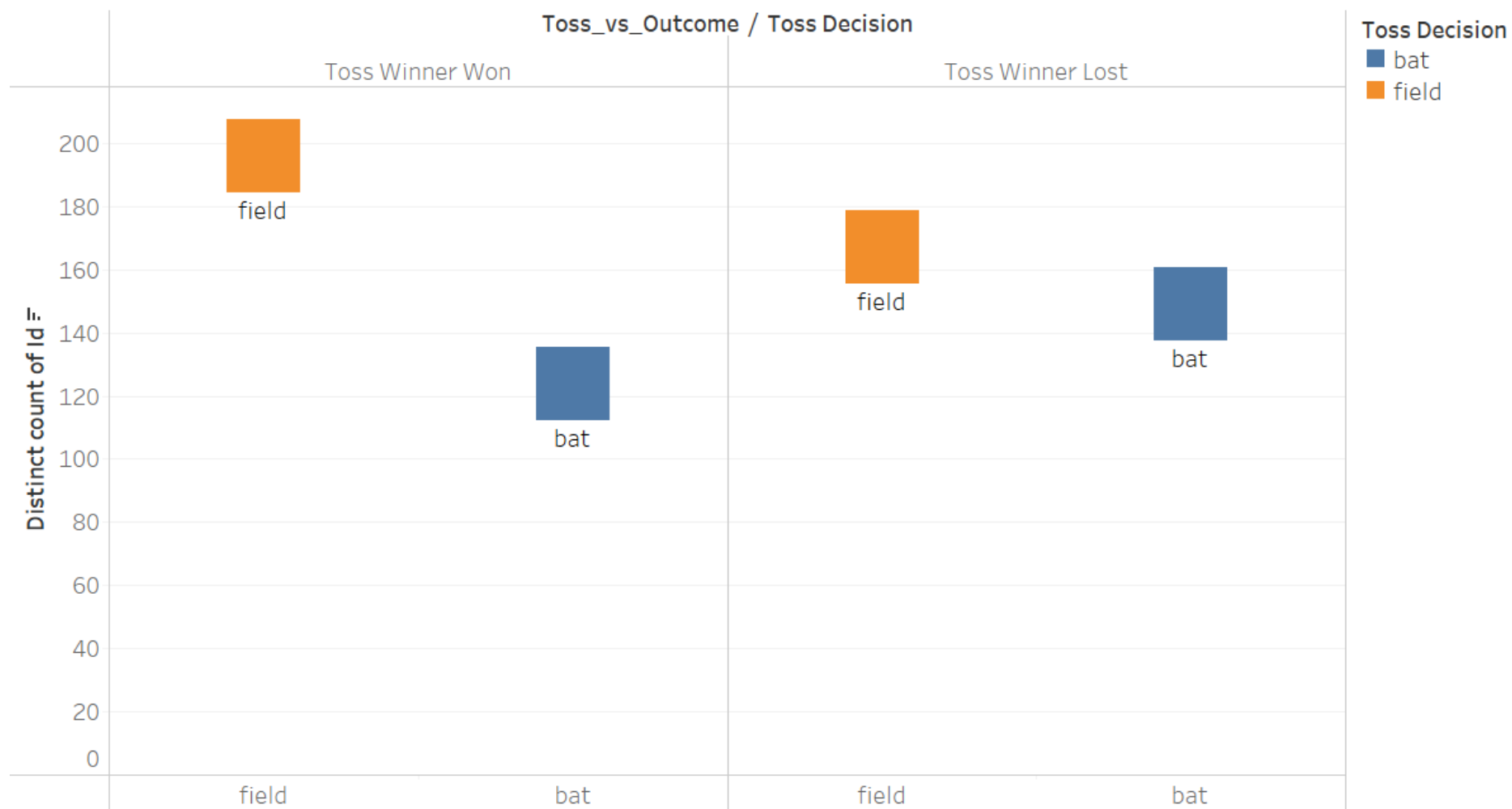# IPL Assignment
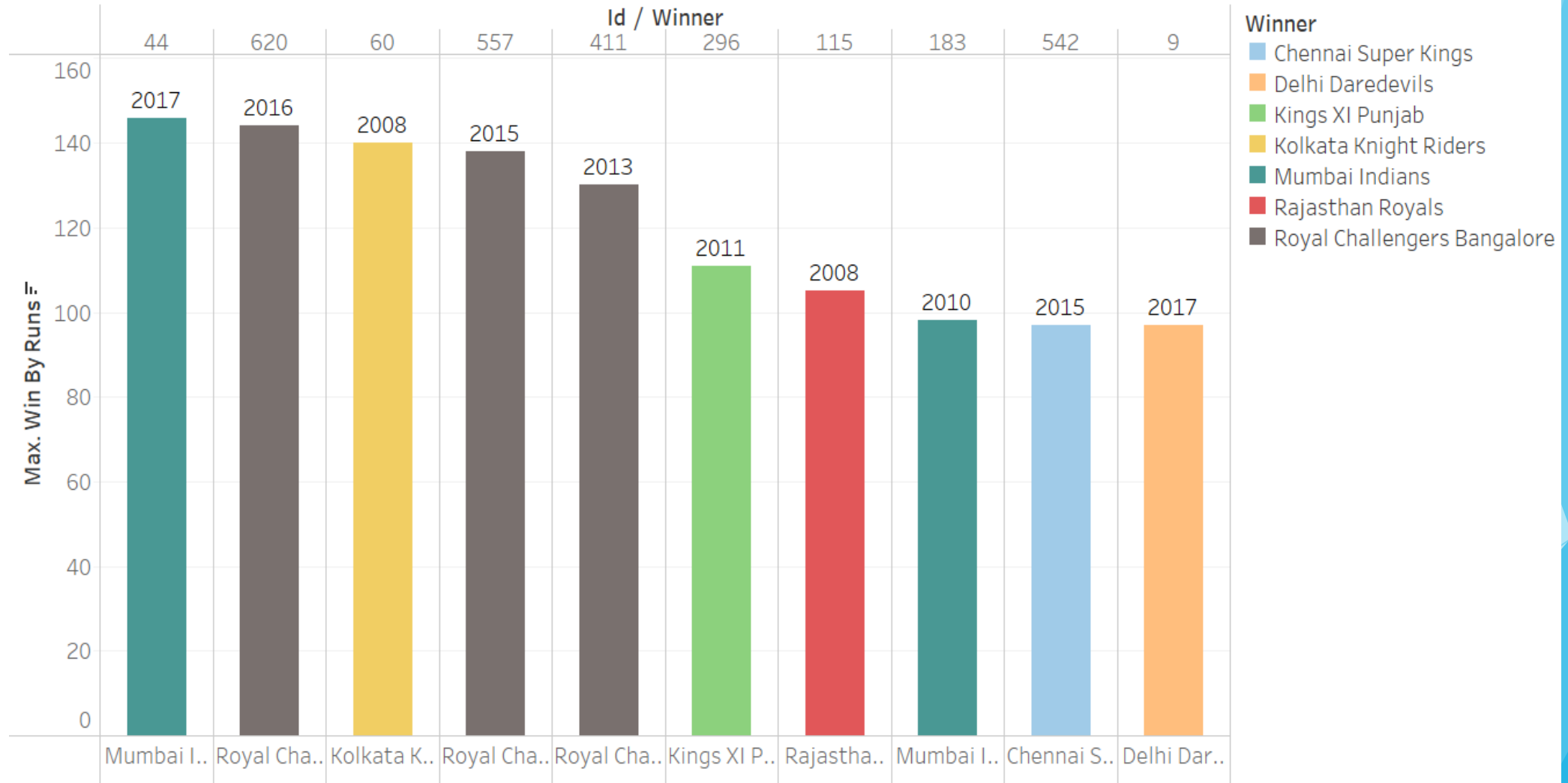
By Atharali Sayyed

Problem Statement 2008-2017

▶ A nationally recognized news agency, which is based out of New Delhi, and provides news reports and feeds to magazines, newspapers and TV broadcasters all over the country. The Sports Editor of the agency has approached you to build a Tableau dashboard of IPL statistics over the years since its inception in order to create an infographic for a newsletter that their team is working on. For this newsletter, in some cases, they will use the visual representations as you have created in Tableau directly for their infographic, and in a few other cases, they will use important statistics after trying out the different filters and customizations that you have provided for interactivity. Therefore, you are expected to build an interactive dashboard in Tableau for this purpose

Toss Vs Outcome

Toss_vs_Outcome / Toss Decision

Toss Decision
- bat (blue)
- field (orange)

Toss Winner Won — field, bat

Toss Winner Lost — field, bat

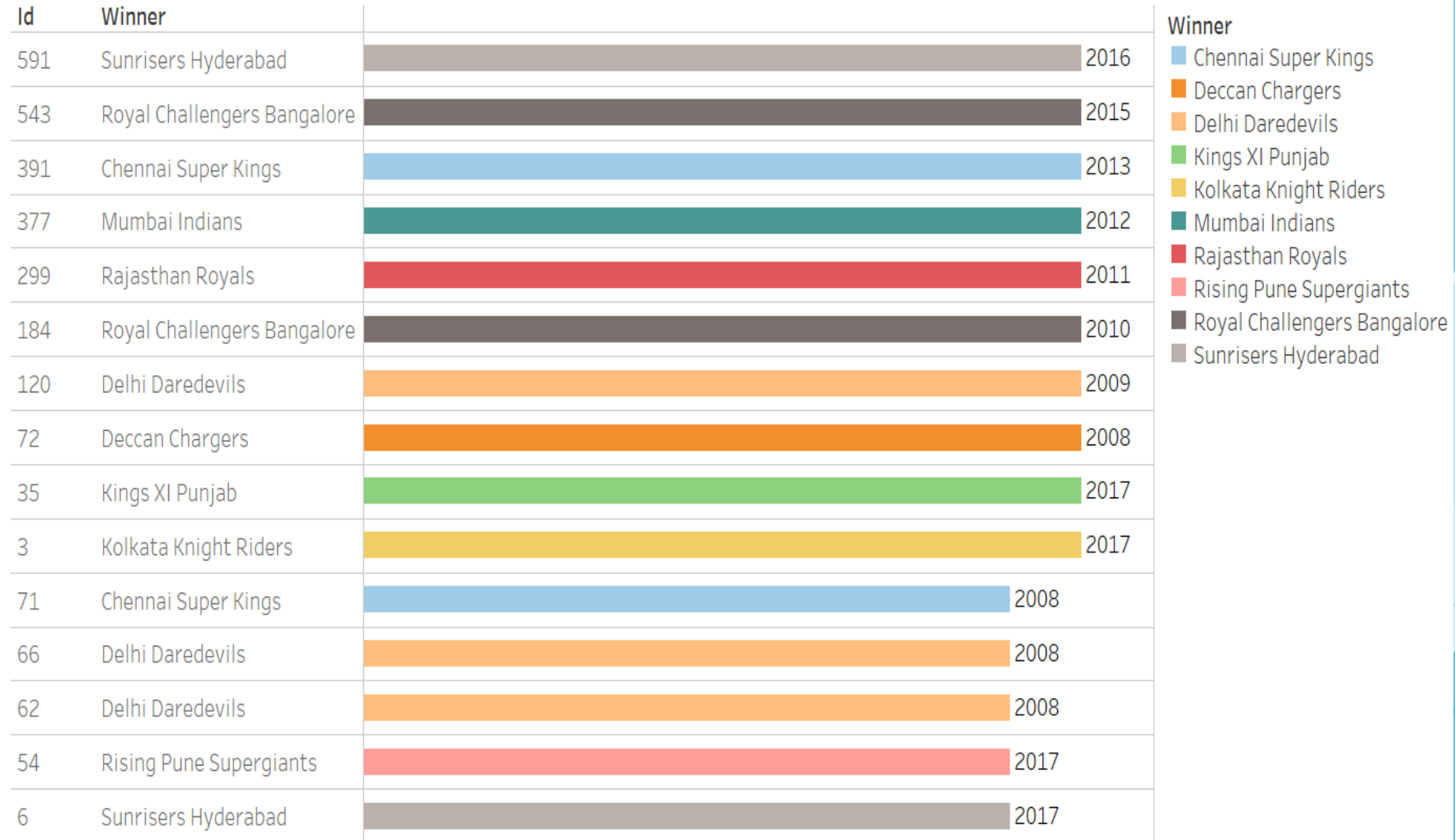Distinct count of Id

field | bat | field | bat

Distinct count of Id for each Toss Decision broken down by Toss_vs_Outcome. Color shows details about Toss Decision. The marks are labeled by Toss Decision. The data is filtered on Venue, which keeps 35 of 35 members.
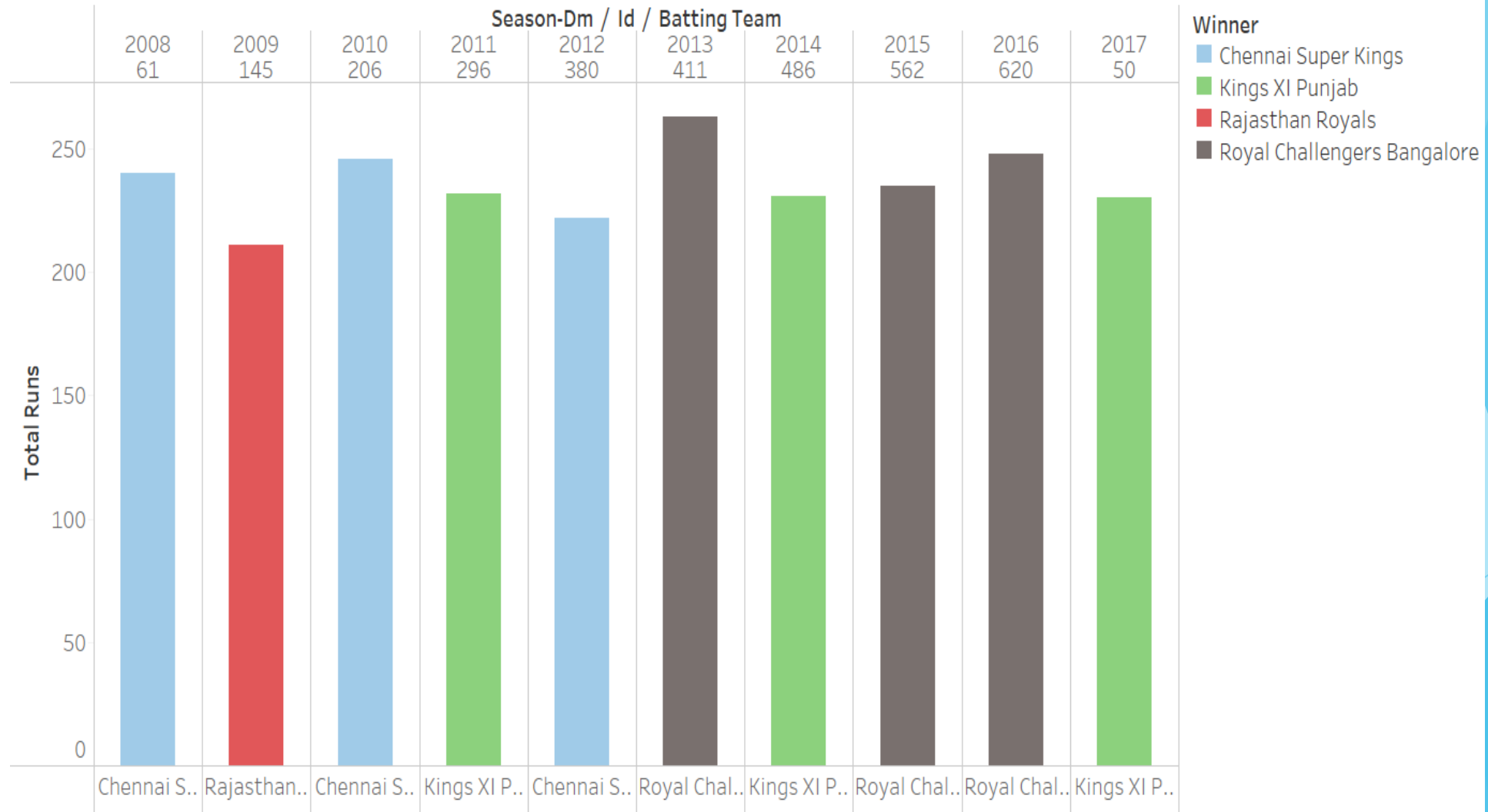
Biggest Wins By Runs

Biggest Wins By Wickets

Id	Winner		
591	Sunrisers Hyderabad		2016
543	Royal Challengers Bangalore		2015
391	Chennai Super Kings		2013
377	Mumbai Indians		2012
299	Rajasthan Royals		2011
184	Royal Challengers Bangalore		2010
120	Delhi Daredevils		2009
72	Deccan Chargers		2008
35	Kings XI Punjab		2017
3	Kolkata Knight Riders		2017
71	Chennai Super Kings		2008
66	Delhi Daredevils		2008
62	Delhi Daredevils		2008
54	Rising Pune Supergiants		2017
6	Sunrisers Hyderabad		2017

Winner
- Chennai Super Kings
- Deccan Chargers
- Delhi Daredevils
- Kings XI Punjab
- Kolkata Knight Riders
- Mumbai Indians
- Rajasthan Royals
- Rising Pune Supergiants
- Royal Challengers Bangalore
- Sunrisers Hyderabad

Maximum of Win By Wickets for each Winner broken down by Id. Color shows details about Winner. The marks are labeled by Season-Dm. The view is filtered on Id, which keeps 15 of 636 members.
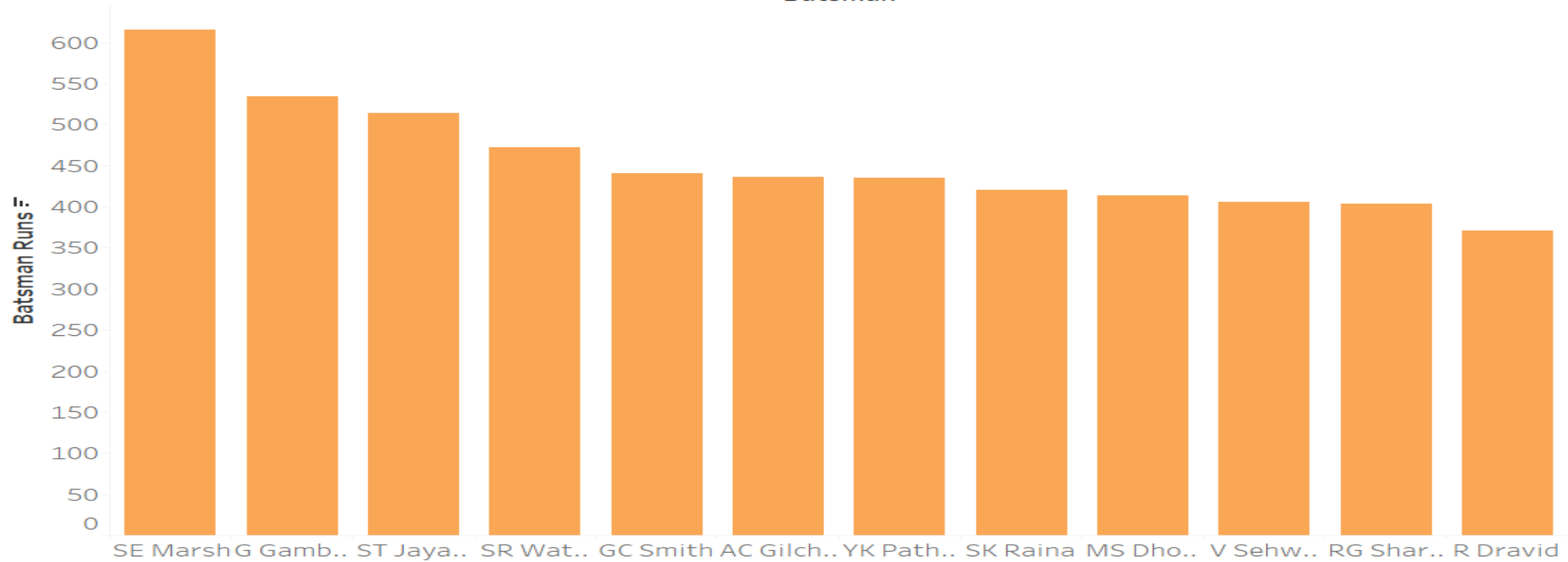
Highest Total

Sum of Total Runs for each Batting Team broken down by Season-Dm and Id. Color shows details about Winner. The view is filtered on Season-Dm, Id and Exclusions (Batting Team,Id,Season-Dm,Winner). The Season-Dm filter keeps 10 of 10 members. The Id filter keeps 10 of 636 members. The Exclusions (Batting Team,Id,Season-Dm,Winner) filter keeps 1,260 members.
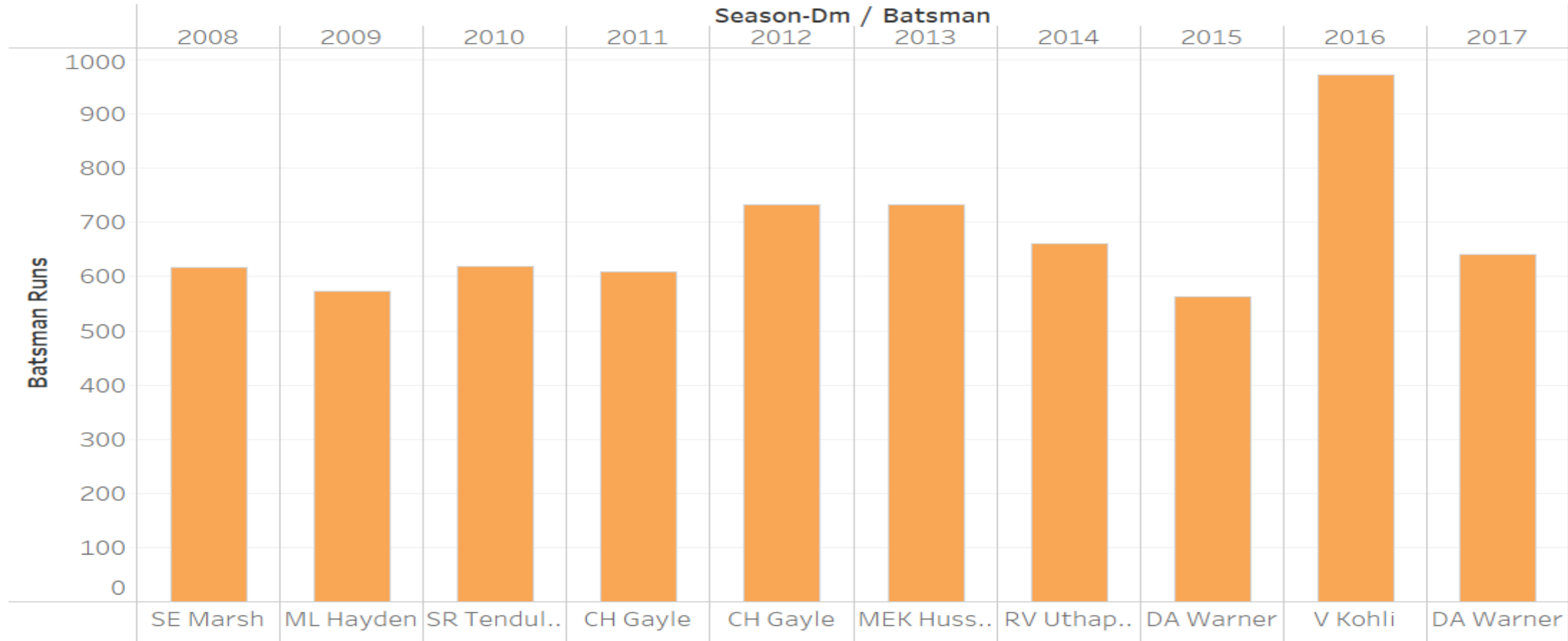
Orange Cap Contenders 2008
Batsman

Sum of Batsman Runs for each Batsman. The data is filtered on Season-Dm and Index Filter. The Season-Dm filter keeps 2008. The Index Filter filter includes values less than or equal to 12.
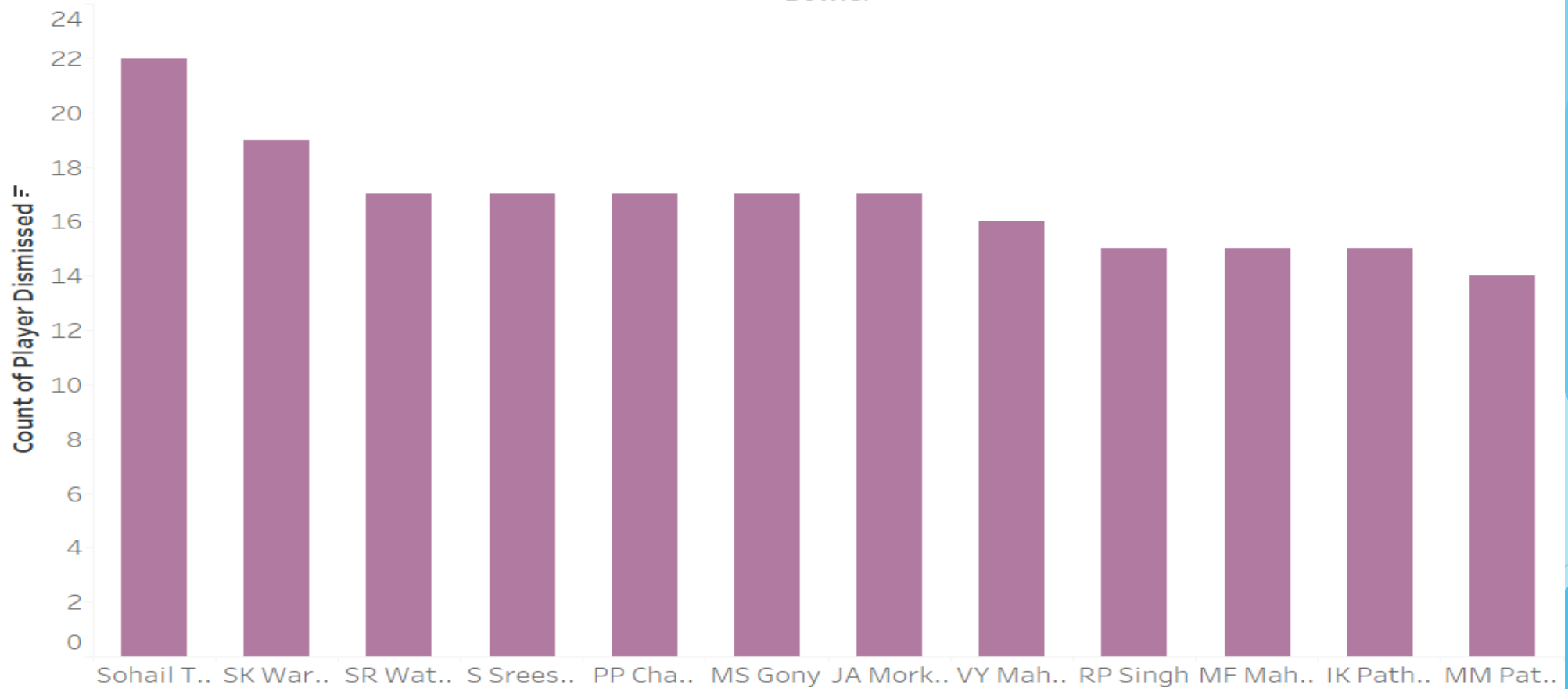
Orange Cap Holder
2008 to 2017

Season-Dm / Batsman

| 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |

Batsman Runs

| SE Marsh | ML Hayden | SR Tendul.. | CH Gayle | CH Gayle | MEK Huss.. | RV Uthap.. | DA Warner | V Kohli | DA Warner |

Sum of Batsman Runs for each Batsman broken down by Season-Dm. Details are shown for Batsman. The view is filtered on Season-Dm, Batsman and Exclusions (Batsman,Season-Dm). The Season-Dm filter keeps 10 of 10 members. The Batsman filter keeps 8 of 461 members. The Exclusions (Batsman,Season-Dm) filter keeps 1,478 members.
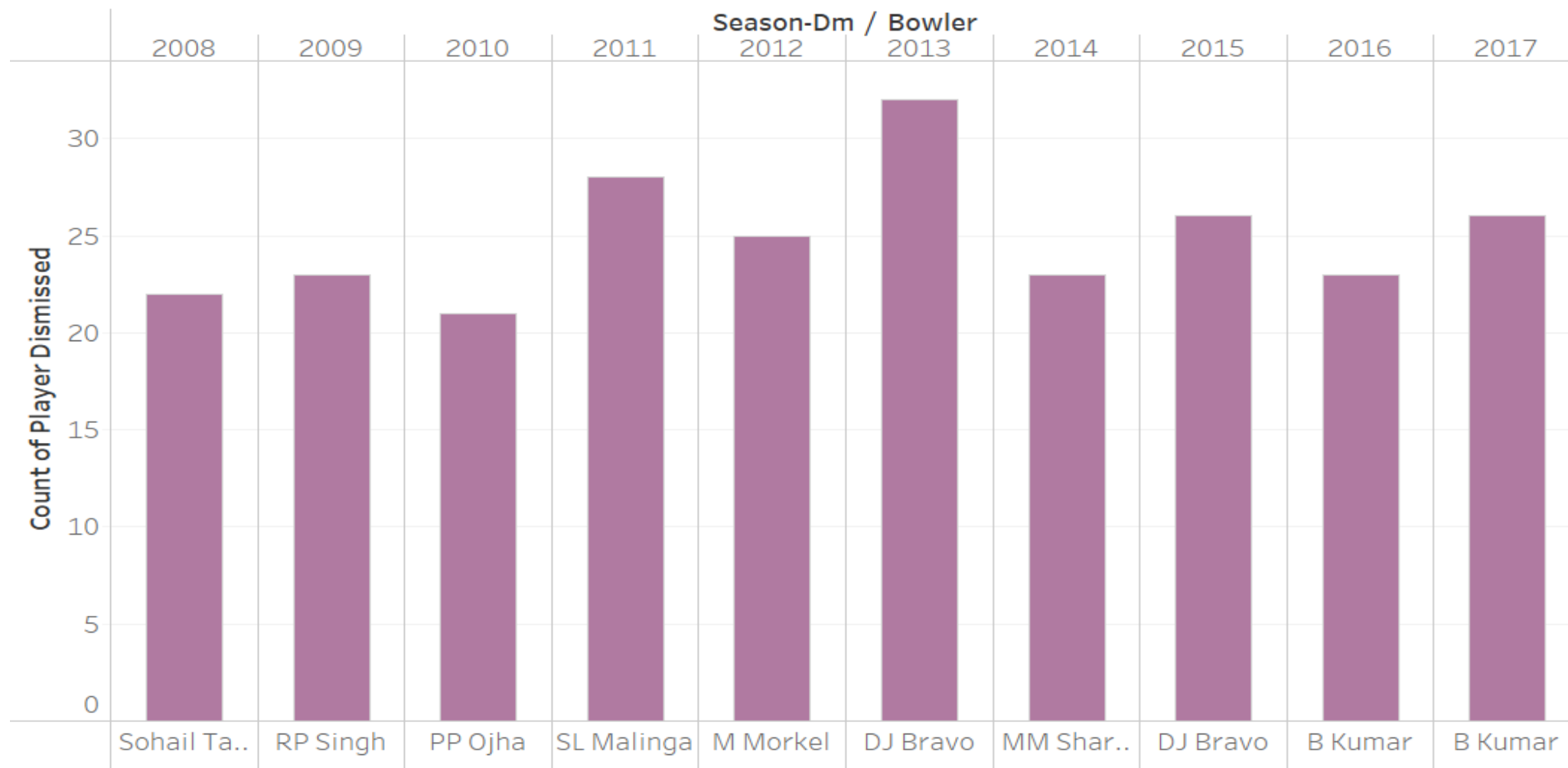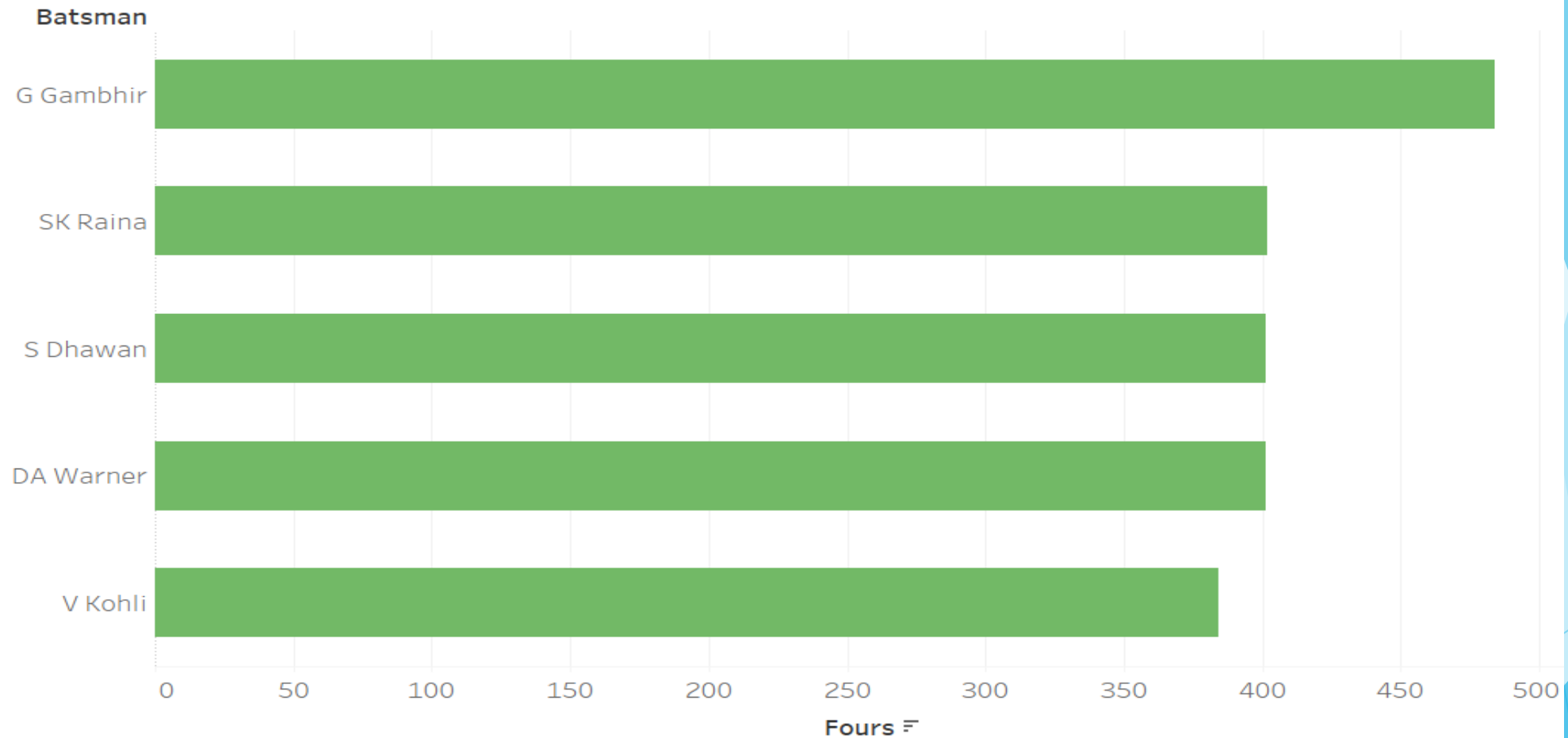
Purple Cap Contenders 2008

Bowler

Count of Player Dismissed for each Bowler. The data is filtered on Season-Dm, Index Filter and Dismissal Kind. The Season-Dm filter keeps 2008. The Index Filter filter ranges from 1 to 12. The Dismissal Kind filter keeps bowled, caught, caught and bowled, lbw and stumped.

Purple Cap Holder
2008 to 2017

Season-Dm / Bowler

Count of Player Dismissed for each Bowler broken down by Season-Dm. Details are shown for Bowler. The data is filtered on Dismissal Kind, which keeps bowled, caught, caught and bowled, lbw and stumped. The view is filtered on Season-Dm, Bowler and Exclusions (Bowler,Season-Dm). The Season-Dm filter keeps 10 of 10 members. The Bowler filter keeps 8 of 356 members. The Exclusions (Bowler,Season-Dm) filter keeps 1,100 members.
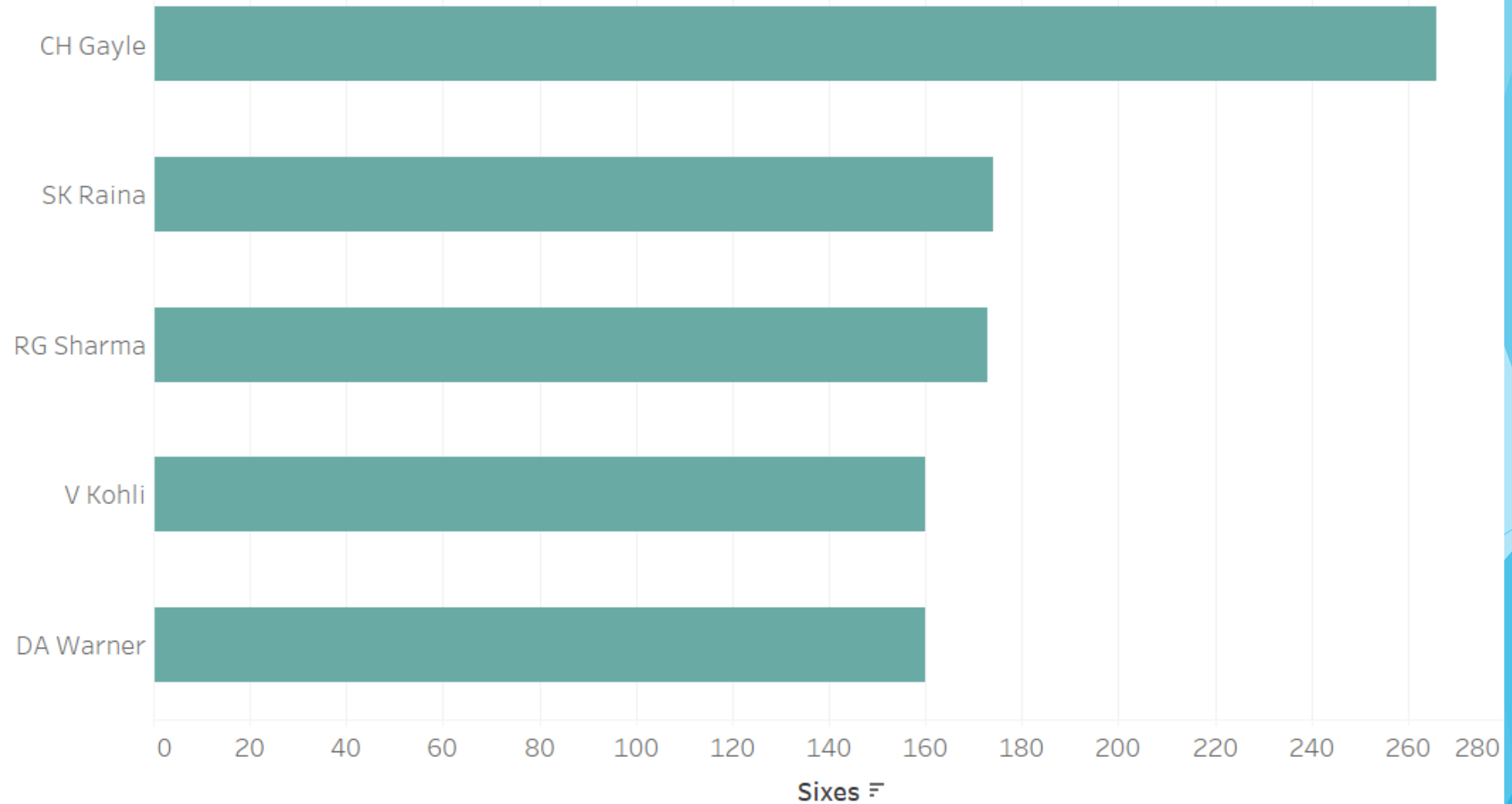
Most 4's All

Fours for each Batsman. The data is filtered on Date Year and Index Filter. The Date Year filter keeps 10 of 10 members. The Index Filter filter ranges from 1 to 5.
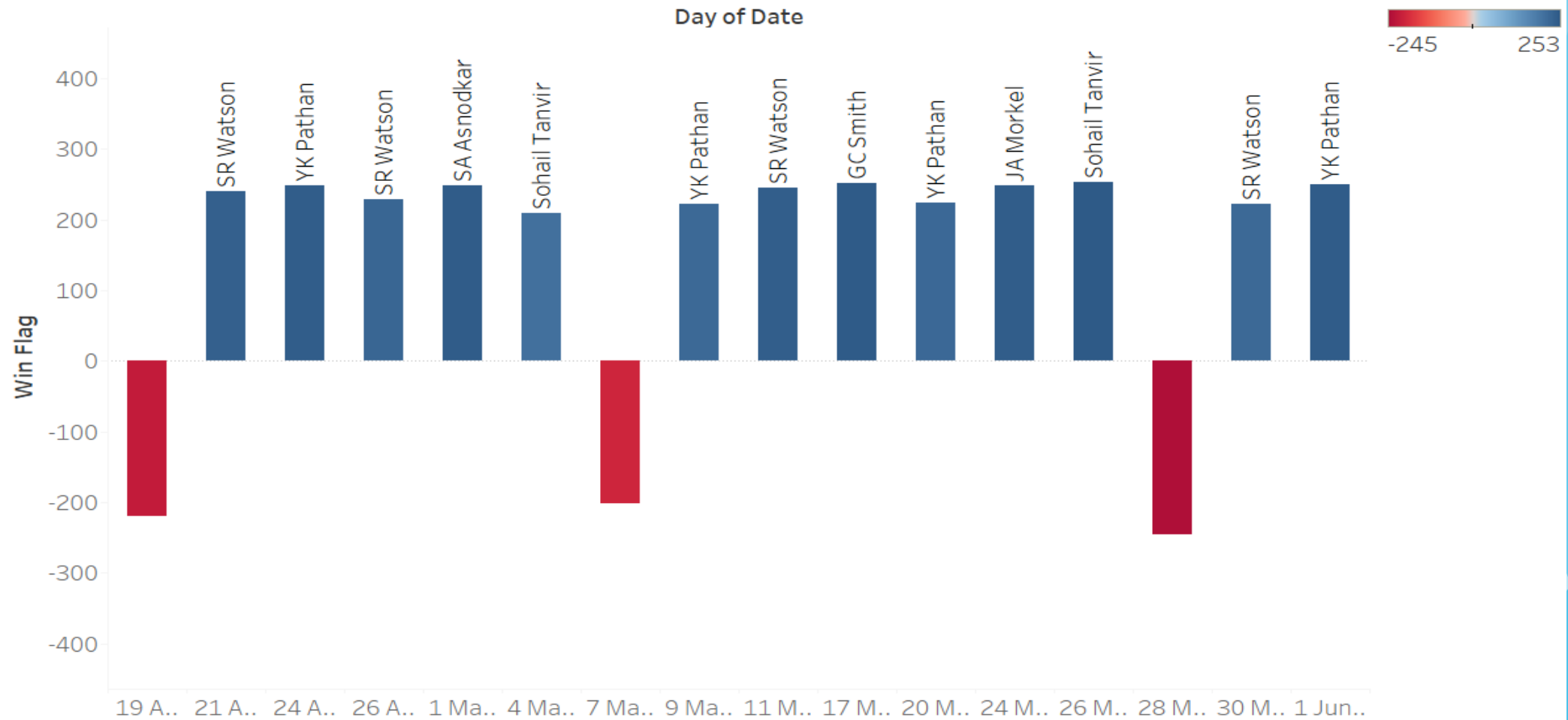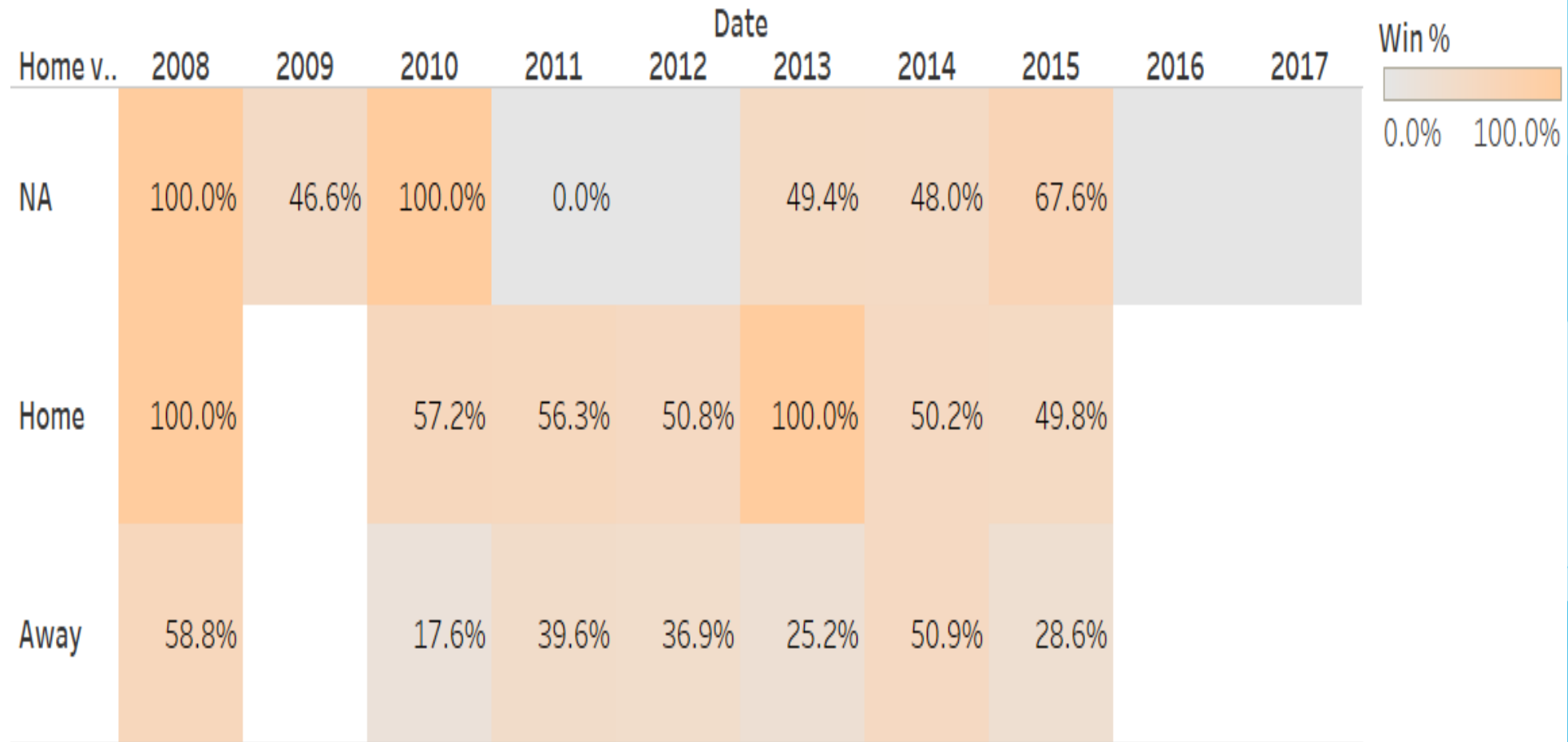
Most 6's All

Batsman

Sixes for each Batsman. The data is filtered on Season-Dm and Index Filter. The Season-Dm filter keeps 10 of 10 members. The Index Filter filter ranges from 1 to 5.

Win %age Rajasthan Royals

Home v..	Date									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
NA	100.0%	46.6%	100.0%	0.0%		49.4%	48.0%	67.6%		
Home	100.0%		57.2%	56.3%	50.8%	100.0%	50.2%	49.8%		
Away	58.8%		17.6%	39.6%	36.9%	25.2%	50.9%	28.6%		

Win %

0.0%   100.0%

Win % broken down by Date Year vs. Home vs Away. Color shows Win % . The marks are labeled by Win % . The view is filtered on Home vs Away, which keeps Away, Home and NA.

Summary

- Toss VS Outcome = Even If the team win or lose the toss most of the captain have choose to field first.

- Biggest Win By Runs = The Biggest win by runs belongs to Mumbai Indians (MI) 146 runs win and second biggest win belong to Royal Challengers Bangalore (RCB) 144 runs win.

- Biggest Win By Wickets = The biggest win by wickets belongs to Sunrisers Hyderabad, Royal Challengers Bangalore, Chennai Super Kings, Mumbai Indians, Rajasthan Royals, Royal Challengers Bangalore, Delhi Daredevils, Deccan Chargers, Kings XI Punjab, Kolkata Knight Riders with 10 wickets win.

- Highest Total = The highest total in ipl 2008 to 2017 belongs to Royal Challengers Bangalore (RCB) which is 263. Even second highest total also belongs to Royal Challengers Bangalore (RCB) which is 248.

- Orange Cap Contenders = In 2008 SE Marsh scored 616 run thus becoming the first player to hold the orange cap . G Gambhir score the second highest 534 runs

- Orange Cap Holder = From 2008 to 2017, CH Gayle & DA Warner are the only player to won two orange cap in Ipl. CH Gayle in 2011 & 2012. DA Warner in 2015 & 2017. Virat Kohli holds to records highest runs scorer in Ipl 2016 which was 973 runs & was orange cap holder.

Continue with summary

▶ Purple Cap Contenders = In 2008 Sohail Tanvir was the highest wicket taker in ipl with 22 wickets, thus becoming the first bowler to get the purple cap. Shane Warne was the second highest wicket taker with 19 wickets.

▶ Purple Cap Holder = DJ Bravo was the highest wicket taker bowler with 32 wickets in 2013 edition of Ipl. DJ Bravo & B.Kumar are the only bowler to hold purple cap twice. DJ Bravo in 2013 & 2015 & B.Kumar in 2016 & 2017.

▶ Most 4's = G.Gambhir had scored most 4's across all edition of ipl from 2008 to 2017. DA Warner is the only batsman that have scored most 4 in three editions of ipl 2015, 2016 & 2017. The second highest batsman is SR Tendulkar in 2010 & 2011 edition of Ipl.

▶ Most 6's = CH Gayle had scored most 6's across all edition of ipl from 2008 to 2017. CH Gayle is the only batsman that have scored most 6 in four edition of ipl 2011, 2012, 2013 & 2015.

▶ Season Wise Performance = Winning Team with most Man Of The Match Winner

▶   2008 Rajasthan Royals

▶   2009 Delhi Daredevils, Royal Challengers Bangalore

▶   2010 Mumbai Indians

▶   2011 Chennai Super Kings

Continue with summary

- 2012 Kolkata Knight Riders

- 2013 Mumbai Indians

- 2014 Kings XI Punjab

- 2015 Chennai Super Kings

- 2016 Sunrisers Hyderabad

- 2017 Mumbai Indians

- Win %age = Rajasthan Royals have won all the matches in their home ground in 2008 & 2013 edition of IPL. Chennai Super Kings won all the matches at their home ground in 2011 but away grounds is only 18%. Mumbai Indians have won all the matches in their home ground in 2013 & away ground in 2014.