DATA ANALYSIS OF IPL (2008-2020)

* Total Runs scored by each team from 2008-2020

Mumbai has scored the most runs which is 32286 and Kochi tuskers has scored the least number of runs which is 1901.There were few teams who participated only for few seasons so the runs scored by those teams are very low .

* Umpires who have umpired for the most matches

S Ravi has been the umpire for the highest number of matches (121 matches). Dharmasena has been the umpire 1 for most number of matches and S Ravi has been the umpire 2 for most number of matches.

* Number of toss won by Teams

Mumbai Indians have won the most number of toss(106),they are followed by Kolkata Knight Riders(98) and Chennai Super Kings (97).

* Decision after winning the toss what does team prefer

Apart from Chennai Super Kings and Pune Warriors all the other teams prefer to field while these 2 teams prefer to bat 1st. Kings IX Punjab and Royal Challengers Bangalore have more than 50% where they decide to field first after winning the toss.

* Winning the match after winning the toss across all seasons.

We can see that CSK and MI are the teams were they have won most matches after winning the toss(61).

* Count of toss won by teams across all seasons

We can see that 2011,2012,2013 were the season were more matches were played and we can see the teams who have won the most no. of toss across various seasons.

* Top 10 run scorer in IPL

We can see that Virat Kohli is the top run scorer in the IPL.(5878)

* TOP 10 wicket takers

We can see that SL Malinga has taken the most number of wickets (188)

* TOP 10 Batsmen to face most number of balls

We can see that Virat Kohli has faced the maximum number of deliveries .(16161)

* Mumbai Indians team has won the most tosses and Rising Pune Supergiant has won least toss.
* AB is the player who has won most number of times the- player of match. Total 23 times in the year 2008-2020.
* Mumbai Indians team has the highest winning percentage.
* Mumbai Indians team has played most and Kochi Tuskers Kerala, Rising Pune Supergiants has played least number of games.

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| --- | --- | --- | --- |
| **Teams** | **Match1** | **Match2** | **Total Matches played** |
| Chennai Super Kings | 94 | 84 | 178 |
| Deccan Chargers | 39 | 36 | 75 |
| Delhi Capitals | 19 | 14 | 33 |
| Delhi Daredevils | 83 | 78 | 161 |
| Gujarat Lions | 16 | 14 | 30 |
| Kings XI Punjab | 92 | 98 | 190 |
| Kochi Tuskers Kerala | 7 | 7 | 14 |
| Kolkata Knight Riders | 95 | 97 | 192 |
| Mumbai Indians | 97 | 106 | 203 |
| Pune Warriors | 23 | 23 | 46 |
| Rajasthan Royals | 70 | 91 | 161 |
| Rising Pune Supergiant | 7 | 9 | 16 |
| Rising Pune Supergiants | 7 | 7 | 14 |
| Royal Challengers Bangalore | 108 | 87 | 195 |
| Sunrisers Hyderabad | 59 | 65 | 124 |

* Kings XI Punjab Team has won most times in an eliminator
* As per the data, 496 times chasing team has won the match out of 816 matches.
* Mumbai is the city where most matches held as per the given data.

* Below are the lucky venues for particular matches, as they have won many matched on that venue.

|  |  |  |
| --- | --- | --- |
| **Teams** | **Lucky venue** | **No of matches won** |
| Chennai Super Kings | MA Chidambaram Stadium, Chepauk | 40 |
| Deccan Chargers | Barabati Stadium, Rajiv Gandhi International Stadium, Uppal | 3 |
| Delhi Daredevils | Feroz Shah Kotla | 27 |
| Kings XI Punjab | Punjab Cricket Association Stadium, Mohali | 18 |
| Kolkata Knight Riders | Eden Gardens | 45 |
| Mumbai Indians | Wankhede Stadium | 42 |
| Rajasthan Royals | Sawai Mansingh Stadium | 32 |
| Royal Challengers Bangalore | M Chinnaswamy Stadium | 37 |

* S Dhawan has hit the most number of 4's. i.e, 591.
* CH Gayle has hit the most number of 6's. i.e, 349.

Below is the count of fours and sixes hit in each season.

|  |  |  |
| --- | --- | --- |
| **Year** | **Count of 4's hit** | **Count of 6's hit** |
| 2008 | 1703 | 623 |
| 2009 | 1317 | 506 |
| 2010 | 1708 | 585 |
| 2011 | 1916 | 639 |
| 2012 | 1911 | 733 |
| 2013 | 2052 | 675 |
| 2014 | 1562 | 714 |
| 2015 | 1607 | 692 |
| 2016 | 1633 | 639 |
| 2017 | 1611 | 705 |
| 2018 | 1652 | 872 |
| 2019 | 1653 | 784 |
| 2020 | 1583 | 735 |

* Below shows the data for highest score by a team in each season

|  |  |  |
| --- | --- | --- |
| **Year** | **score** | **Team** |
| 2008 | 240 | Chennai Super Kings |
| 2009 | 211 | Rajasthan Royals |
| 2010 | 246 | Chennai Super Kings |
| 2011 | 232 | Kings XI Punjab |
| 2012 | 222 | Chennai Super Kings |
| 2013 | 263 | Royal Challengers Bangalore |
| 2014 | 231 | Kings XI Punjab |
| 2015 | 235 | Royal Challengers Bangalore |
| 2016 | 248 | Royal Challengers Bangalore |
| 2017 | 230 | Kings XI Punjab |
| 2018 | 245 | Kolkata Knight Riders |
| 2019 | 232 | Kolkata Knight Riders |
| 2020 | 228 | Delhi Capitals |

* Comparison between 2 teams (CSK and MI)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Row Labels** | **Sum of total\_runs** | **Sum of is\_wicket** | **Sum of extra\_runs** | **Sum of batsman\_runs** |
| Chennai Super Kings | 28363 | 918 | 1410 | 26953 |
| Mumbai Indians | 32286 | 1189 | 1739 | 30547 |
| **Grand Total** | **60649** | **2107** | **3149** | **57500** |
|  |  |  |  |  |