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| Decorative | | | | |
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| IPL Team Report | | |
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|  | Introduction  This project consists of data on cricket players.  The team plays a very important role in the final result.  My task is to analyze the data and make some sort of model that can find the player that gives the best result. Here best players are included in every field not just batsmen. Here is a player who is best in batting, a player who is best in bowling, a player who is best in wicketkeeping, and even all-rounders.  The data consists of records of 235 players with 16 different columns or we can say features.  Some most important features include the:   1. Strike Rate: This feature tells how fast the player makes a run 2. No of Matches: This feature tells the total no matches the player has played. 3. Total score: It tells the total score made by a player in all the matches he played 4. Team: This tells the has played from which team 5. Averages: This feature tells the average score of a player 6. Catches: This feature tells how many catches are being caught by the player. 7. Run-outs: This tells how many times the player got run out 8. Stumps: This tells how many times a player has stumped the wickets. | |  | |

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| Discussion In our model we have select the player on different – different category like for batsmen we have choose different parameters which include : Matches played , Runs ,Average ,Strike Rate . Our model has given the first priority to runs which include total run in a player career. Then we have given the priority to strike Rate and then we have given the priority to total no of match played. By using this analysis we are able to find the top bats men list which include Virat Kohli at no 1 position Shikhar Dhawan at no 2 position , Rohit Sharma at no 3 position and David Warner at no 4 position and Robin uthappa at no 5 position . Just like this we have list of top 47 players who are batsmen.  Then come a chance of the bowlers for bowlers we have given the priority to the bowling average then to the bowling strike rate .In this case we have also given the third priority to the stump because a another person is able to stump on the wicket when bowl is in the right range . That’s why we have include this feature . By using this result is like this Daniel Sams is at no 1 ,Tushar Deshpande is at no 2 ,Navdeep Saini is at no 3 , Tim Southee is at no 4. Adam Milne is at no 5. By this we have find out the top 75 bowlers .  Then we have find out the list of all rounders we have get top 87 all rounders in which no 1 is Kieron Pollard, 2 is Ravindra Jadeja then on no 3 is Benny Howell and at no 4 is Glen Maxwell and on no 5 is Nitish Rana .  We have also done the analysis for the keeper but from our analysis the result is same which Mahendra Singh Dhoni and at no 2 is Rishabh Pant .  LimitationsA picture of many lightbulbs with only one lit | |
| * Data – Collections   However, we have done the best prediction from the data we have gathered but however this dataset is consisting of less feature by which we are not able touch some aspects.   * Model -Selection   By continuing this project, we will add more data to our dataset which will definitely increase the predictions result. Apart from this we can apply the Random Forest algorithm to the model which will understand our model in the best way possible and give optimum result. | |  |
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**Conclusion**

Through our analysis we have prepare the team of best player whose chances of performance is definitely high. That team is :

* Virat Kohli
* Shikhar Dhawan
* Rohit Sharma
* David Warner
* Daniel Sams
* Tushar Deshpande
* Navdeep Saini
* Kieron Pollard
* Ravindra Jadeja
* Benny Howell
* Glen Maxwell

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