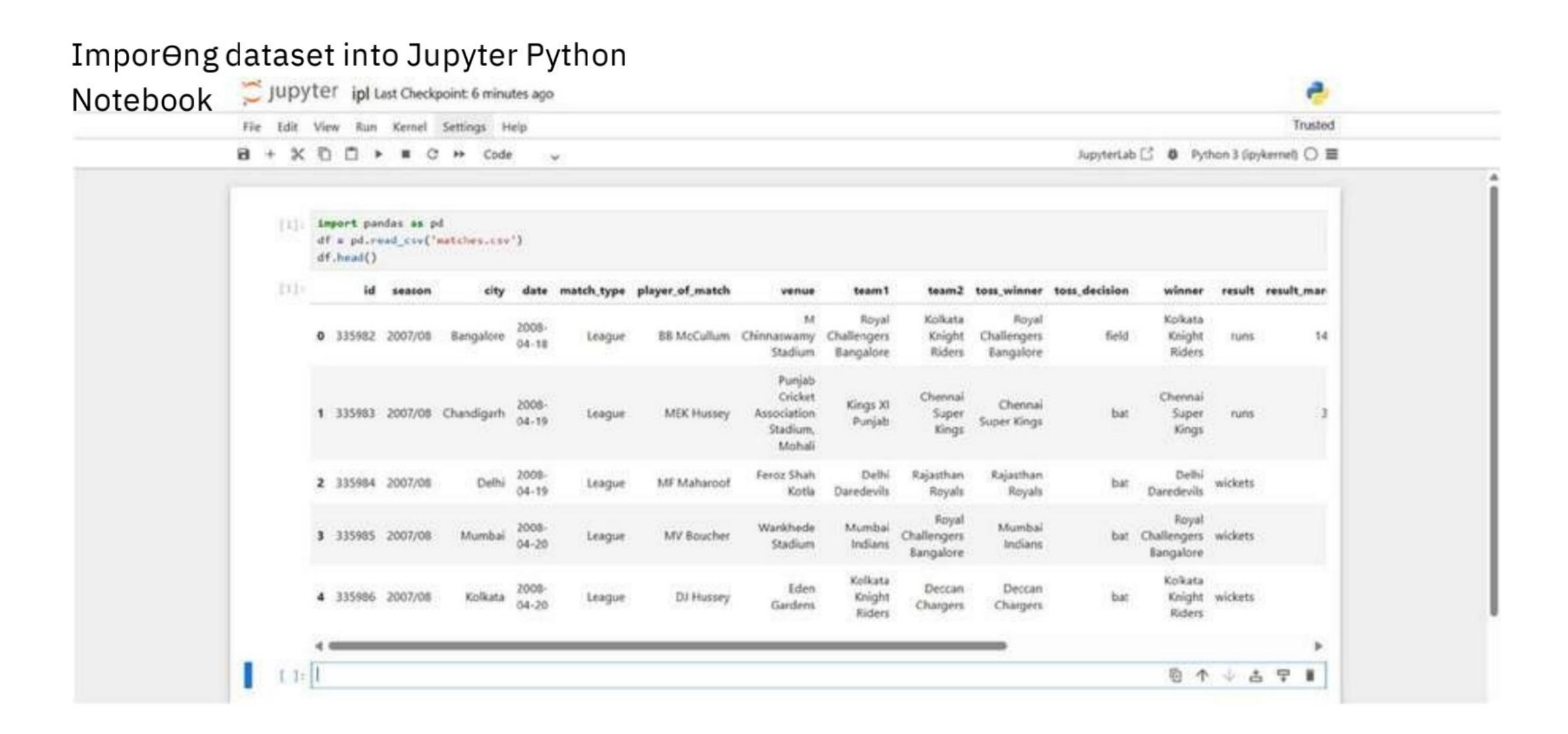
Name - Atharva Thombare EDS Activity No. 1

PRN - 202401070137

Roll No.: ET1-10

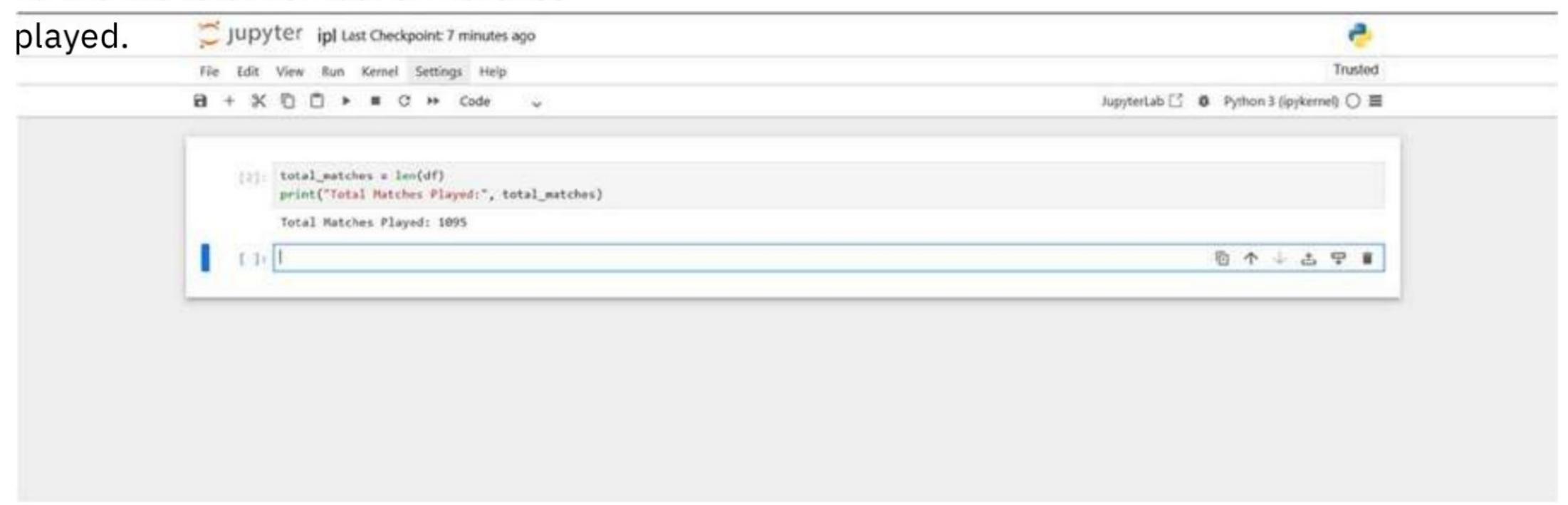
Dataset: IPL



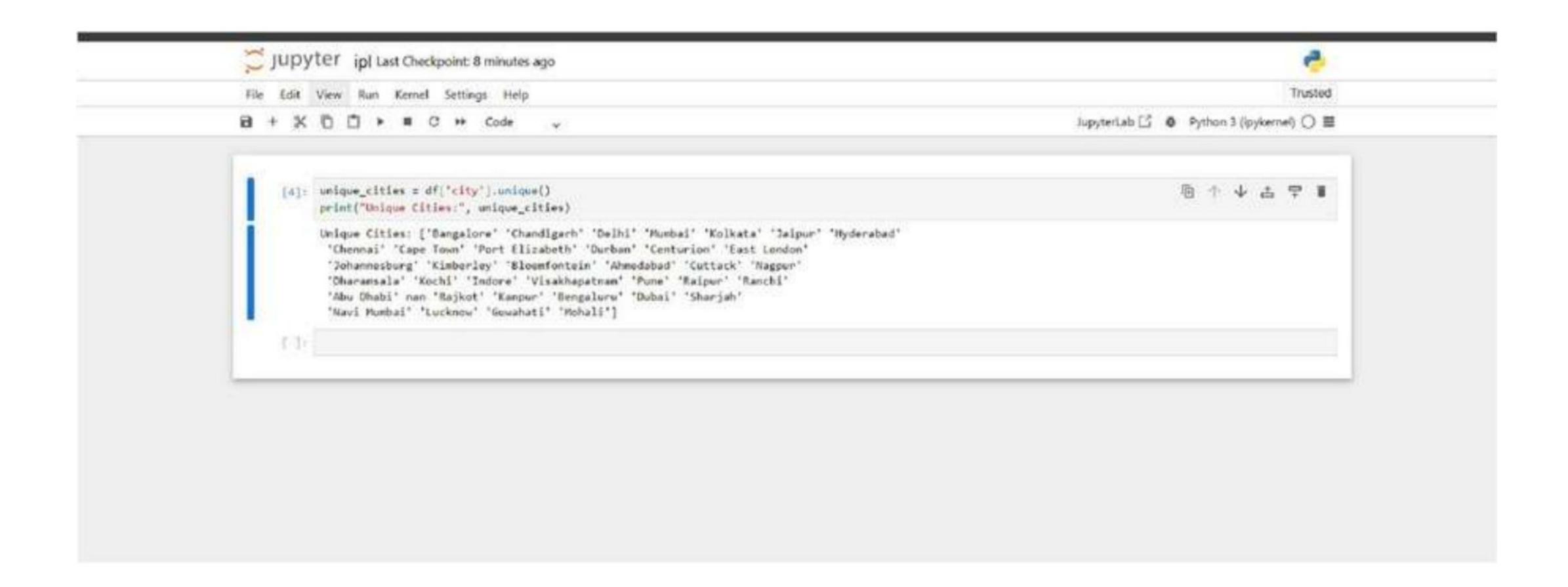
Problem

Statements:

1. Find the total number of matches



2.LisOng all unique ciOes where matches were played.



3. Finding out how many matches had a result decided by



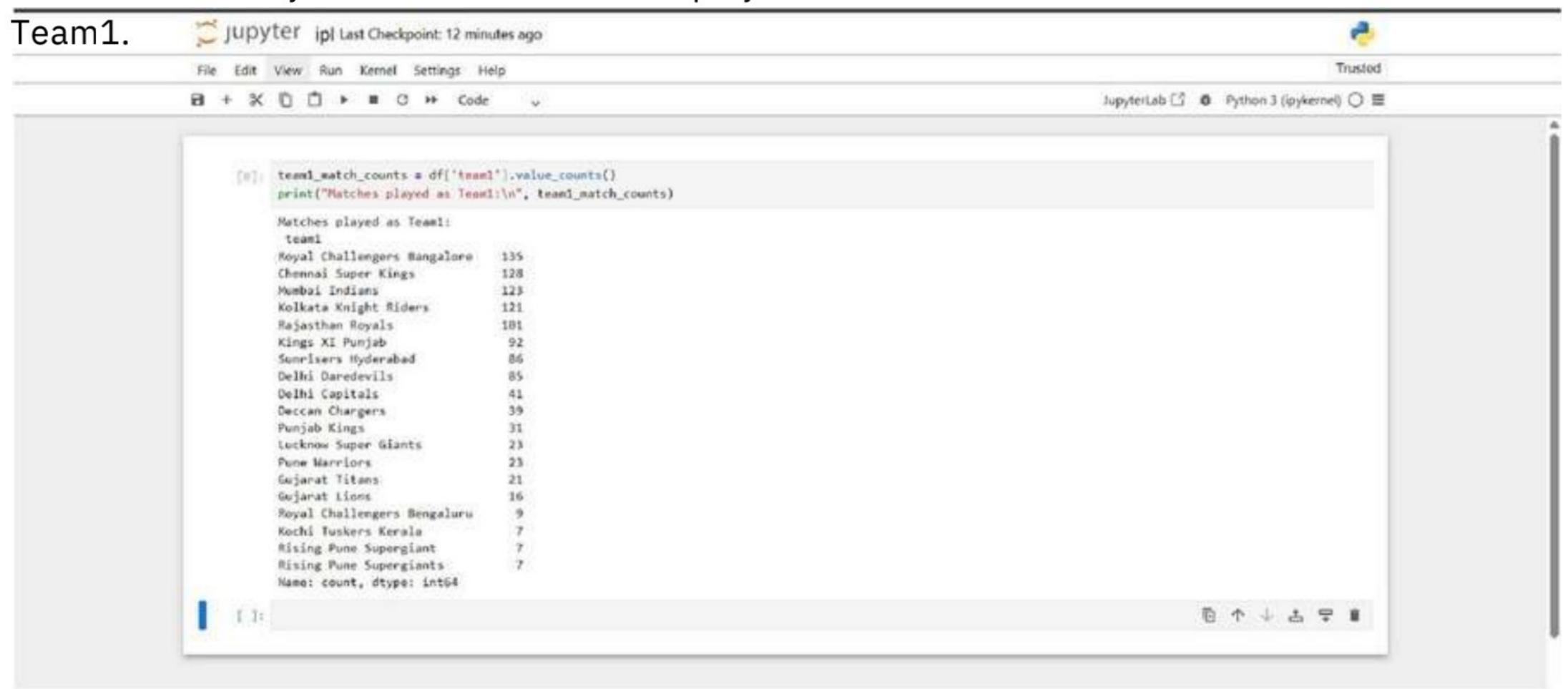
4. Find the player with the most 'Player of the Match'



5.Find all matches where a Super Over was played.

```
Jupyter ipl Last Checkpoint: 11 minutes ago
                                                                                                                                                        Trusted
File Edit View Run Kernel Settings Help
                                                                                                                         JupyterLab [3] 0 Python 3 (ipykernel) () =
      X D D > # C >> Code
     [7] super_over_matches = df[df] 'super_over'] as 'Y']
          print("Matches with Super Over:", super_over_matches)
           Matches with Super Over:
                                             id season
                                                             city
                                                                         date match_type player_of_match \
                 392190
                                Cape Town 2009-04-23
                                                          League
                                                                      YK Pathan
                        2009/10
                                   Chennai 2010-03-21
                                                                       3 Theron
                419121
                                                          League
                           2013 Hyderabad 2013-04-07
                 599004
                                                                      GH Vihari
                                                          League
           342
                           2013 Bangalore 2013-04-16
                                                                       V Kohli
                598017
                                                          League
                                                                    JP Faulkner
                729315
                           2014 Abu Ohabi 2014-04-29
                                                          League
                029741
                           2015 Ahmodabad
                                           2015-04-21
                                                          League
                                                                       SE Marsh
                           2017
                                    Rajkot 2017-04-29
               1082625
                                                                      KH Pandya
                                                          League
                                           2019-03-30
                           2019
                                    Delhi
                                                                        PP Shaw
               1175355
                                                          League
                           2019
                                   Numbai 2019-05-02
                                                                      33 Bumrah
               1178426
                                                          League
                                       min 2020-09-20
               1216493
                        2020/21
                                                          League
                                                                     MP Stainls
                        2020/21
                                       NaN 2020-09-28
                                                          League AB de Villiers
           765 1216547
                        2020/21 Abu Dhabi 2020-10-18
                                                          League
                                                                    LH Ferguson
                                       NaN 2020-10-18
                        2020/21
                                                                       Kt. Rahul
                                                          League
                                  Chennal 2021-04-25
                                                                        PP Shaw
           835 1254077
                           2021
                                                          League
                                                  venue
                                                                              team1
           66
                                                              Kolkata Knight Riders
                                               Newlands
          138
                         M& Chidaebaram Stadium, Chepauk
                                                                Chennai Super Kings
               Majiv Gandhi International Stadium, Uppal
                                                                Sunrisers Hyderabad
           342
                                  M Chinnaswamy Stadium Moyal Challengers Bangalore
          416
                                    Sheikh Zayed Stadium
                                                              Kolkata Knight Riders
          475
                            Sardar Patel Stadiue, Motera
                                                                   Majasthan Moyals
          610
                  Saurashtra Cricket Association Stadium
                                                                      Sujarat Lions
           705
                                    Arun Jaitley Stadium
                                                              Kolkata Knight Riders
           746
                                        Wankhede Stadium
                                                                     Mumbai Indians
          757
                                                                     Delhi Capitals
                     Dubai International Cricket Stadium
           765
                     Dubai International Cricket Stadium Royal Challengers Bangalore
```

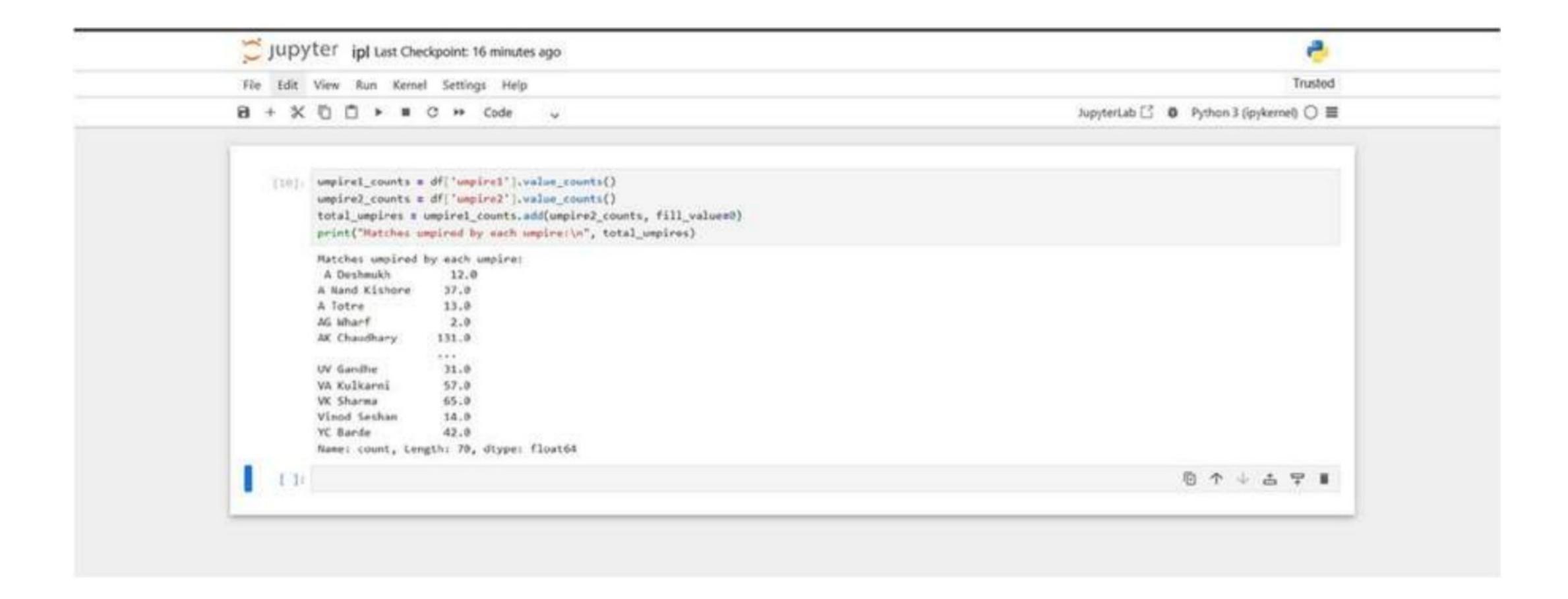
6.Count how many matches each team has played as



7. Find out which team won the maximum



8. Find out the number of matches each umpire officiated.



9.List the top 5 ci0es that hosted the most



10. Calculate the mean result margin when matches were won by



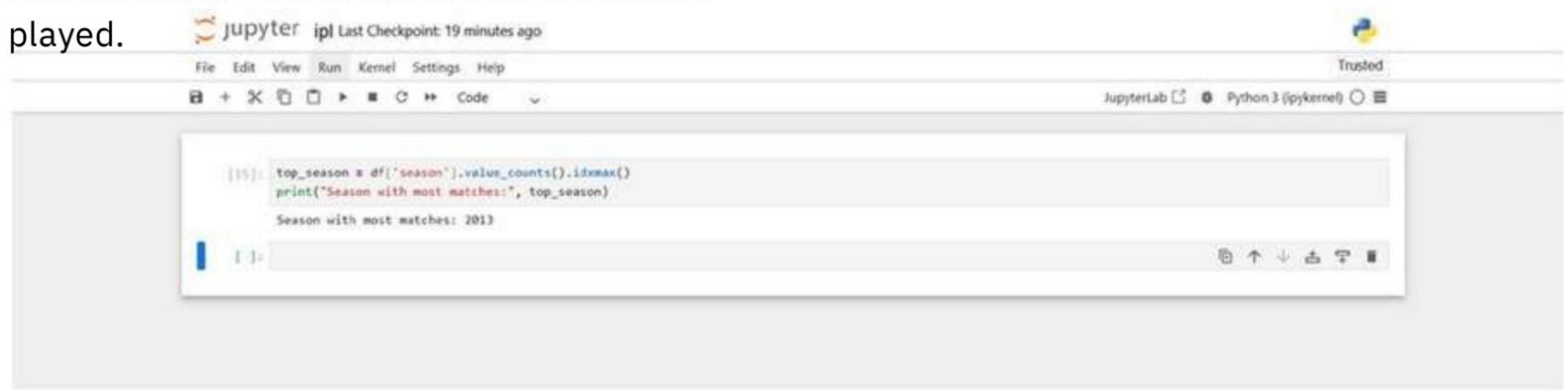
11.Find the total number of matches decided without using DLS method.



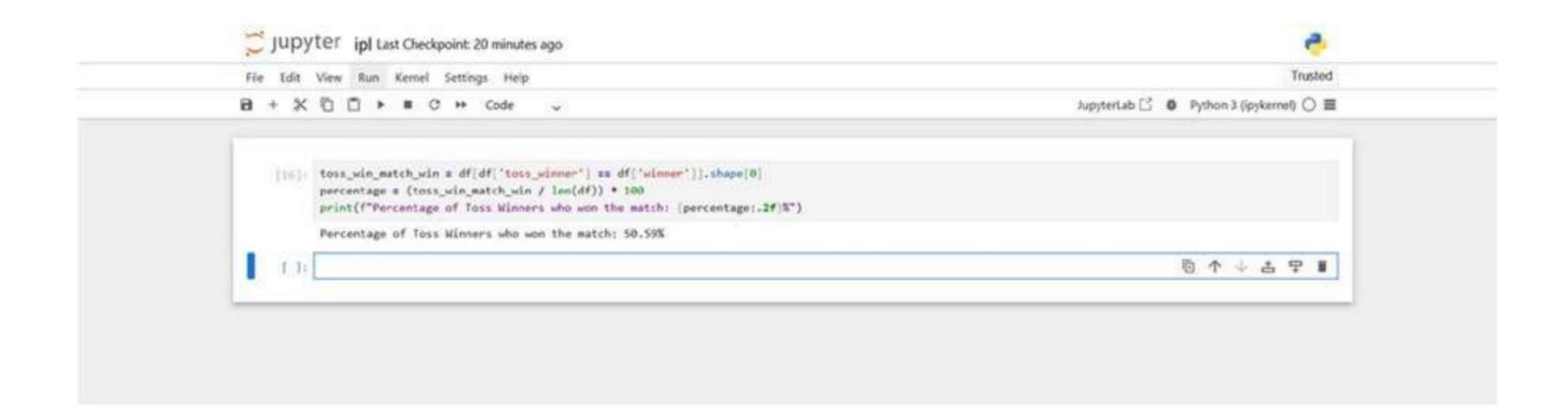
12. Find the match with the highest



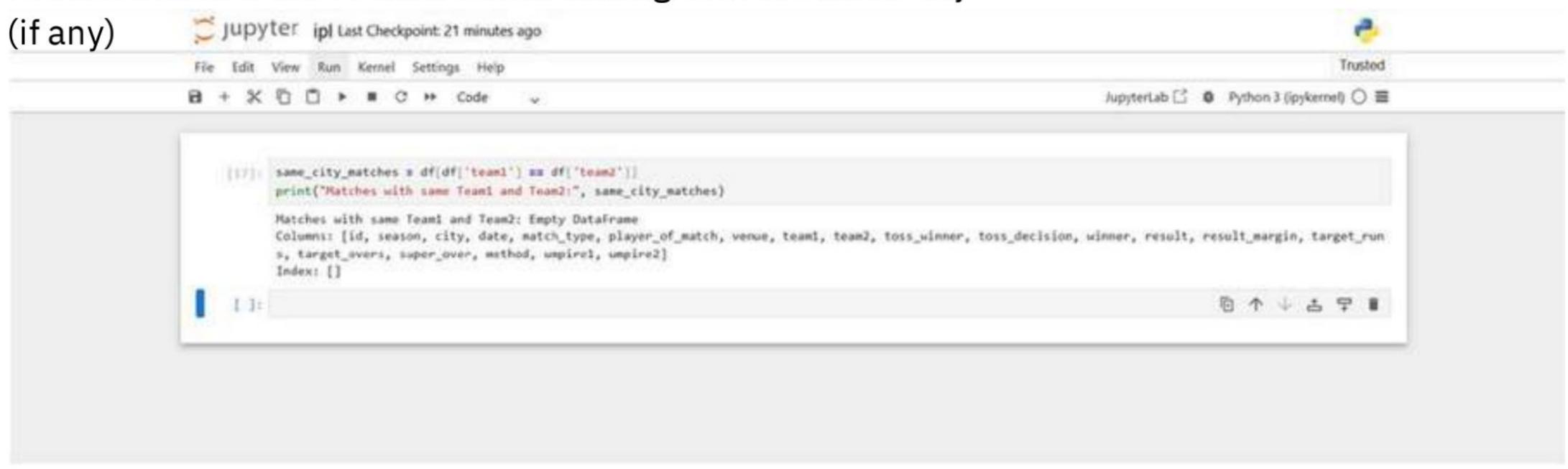
13. Find which season had the most matches



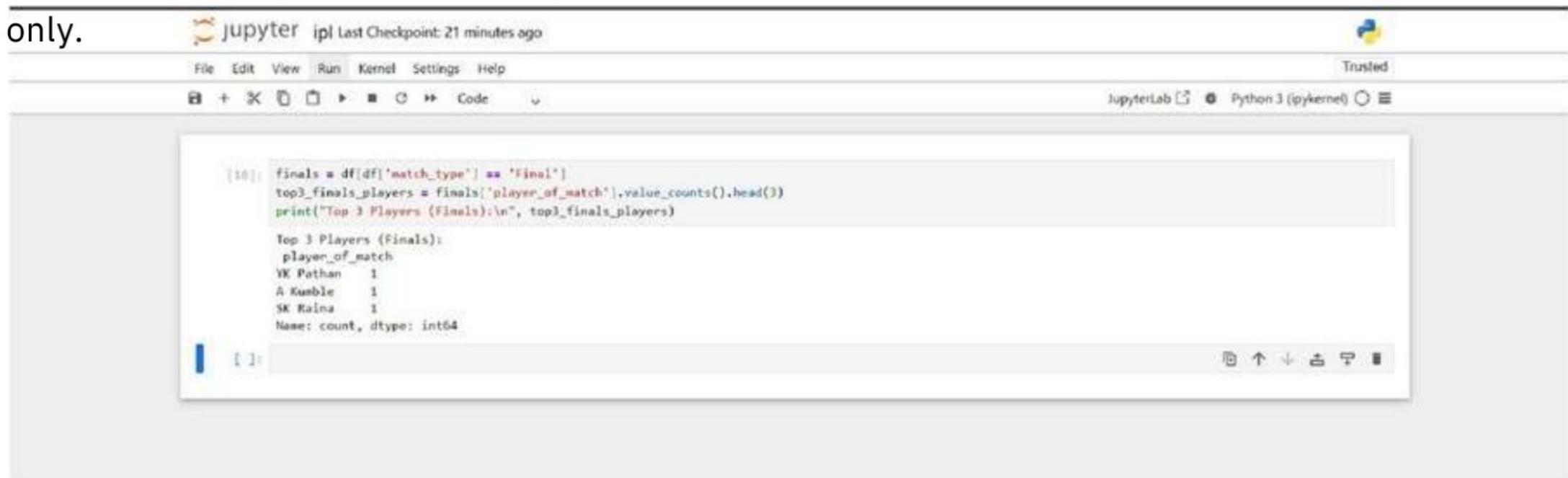
14. Find the percentage of matches where toss-winning team won the match.



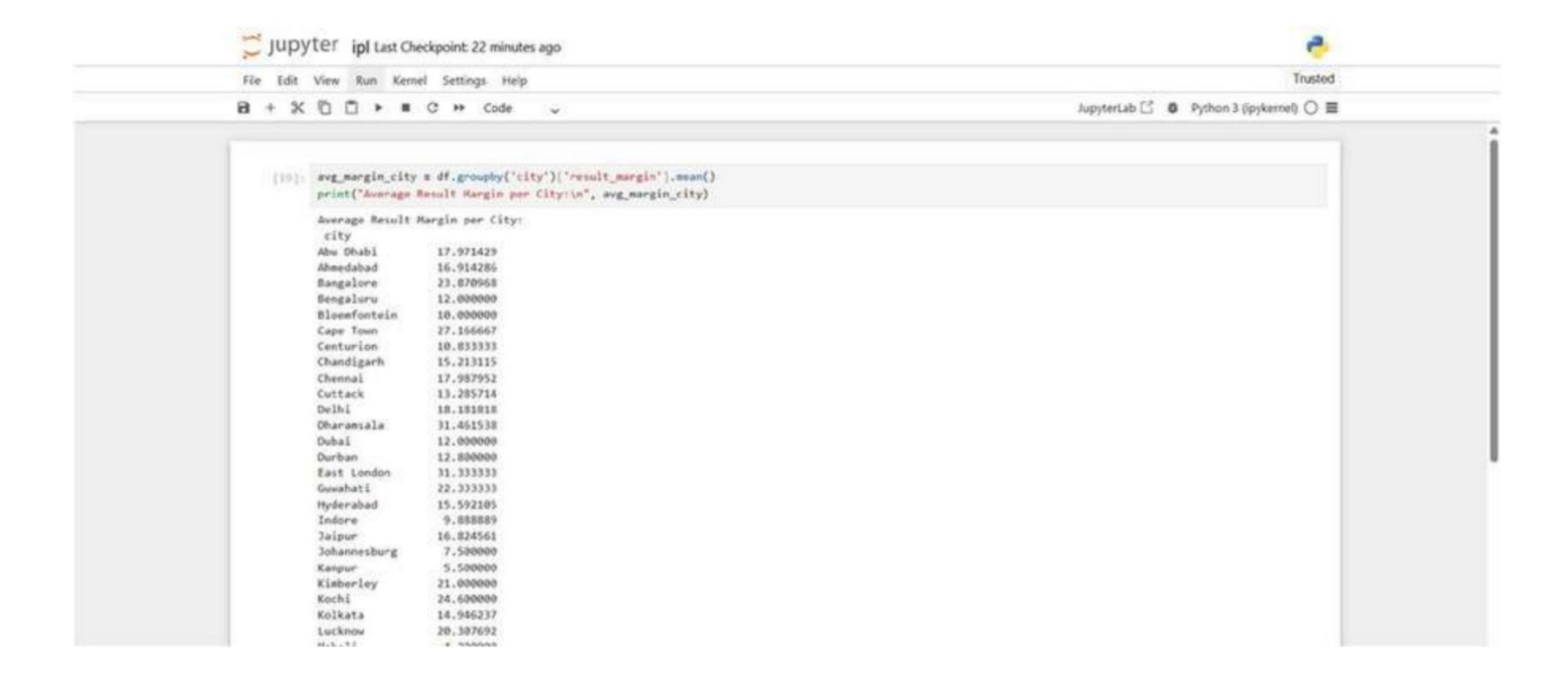
15.List matches where both teams belonged to the same city



16.Find top 3 players who won Player of the Match most oŌen in finals



17.Group by city and find average 'result_margin' per city.



18.Using NumPy, find how many matches had a 'target_overs' of



19.Find the ciOes which hosted matches in mulOple



20.List the matches where toss decision was to field but the team lost.

