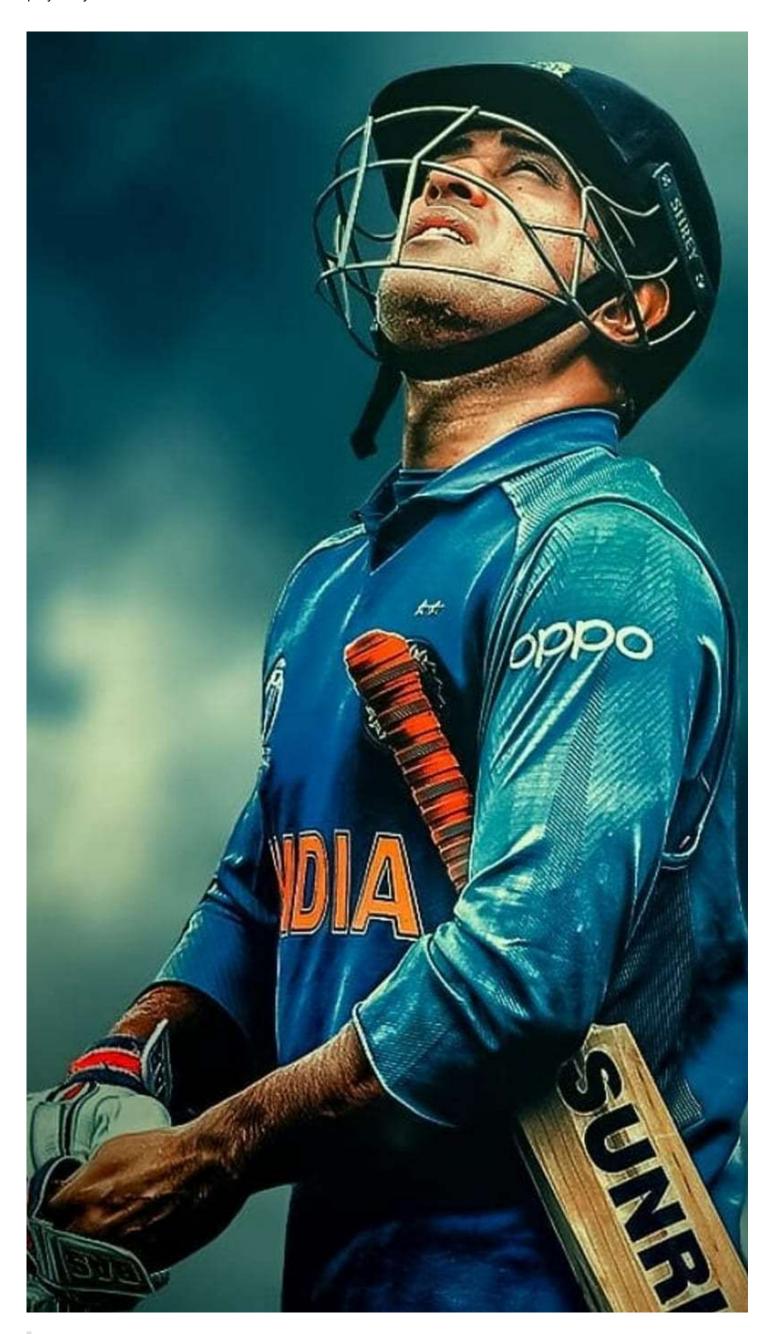
→ MS dhoni Performance Analysis using Python:

project by Smit Bhavsar



Indented block

```
import pandas as pd
import numpy as np
import plotly.express as px
import plotly.graph_objects as go
```

data = pd.read_csv("ms dhoni data.csv")
data

```
Unnamed: Unnamed:
                                                                                                                       Unnamed: Unnamed:
                                                                                      How
                    Date M/Inns
                                                    Ground Runs B/F
                                                                                           45
                                                                                               6S
     Innings
                                      Versus
                                                                            SR
                                                                               Dismissed
                                                                                                         11
                                                                                                                    12
                                                                                                                              13
                                                                                                                                         14
                                                    MA Aziz
 0
            1 12/23/2004
                              1st Bangladesh
                                                                0
                                                                     1
                                                                          0.00
                                                                                            0
                                                                                                0
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                                                                   run out
                                                   Stadium
                                               Bangabandhu
                                                   National
 1
            2 12/26/2004
                              2nd Bangladesh
                                                               12
                                                                    11
                                                                       109.09
                                                                                   caught
                                                                                            2
                                                                                               0
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                                   Stadium
                                               Bangabandhu
 2
            3 12/27/2004
                              1st Bangladesh
                                                   National
                                                                7
                                                                     2 350.00
                                                                                   not out
                                                                                            0
                                                                                                1
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                                   Stadium
                                                     Nehru
 3
                 4/2/2005
            4
                              1st
                                     Pakistan
                                                   Stadium
                                                                        42.86
                                                                                   caught
                                                                                           0
                                                                                               0
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                                     (Kochi)
                                                     Dr YS
                                                Rajasekhara
                 4/5/2005
            5
 4
                                                              148 123 120.33
                              1st
                                     Pakistan
                                                     Reddy
                                                                                   caught 15
                                                                                               4
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                                     Cricket
                                                   Stadium
 •••
                                                  The Rose
291
          293
                1/24/2019
                              1st Afghanistan
                                                               28
                                                                    52
                                                                         53.85
                                                                                            0
                                                                                                0
                                                                                                        NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                                                                  stumped
                                                                                                                  NaN
                                                      Bowl
292
          294
                1/25/2019
                              1st West Indies
                                                 Old Trafford
                                                                         91.80
                                                                                            3
                                                                                                1
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                                               56
                                                                   61
                                                                                   not out
293
          295
                                      England
                                                                                            3
                1/26/2019
                              2nd
                                                 Edgbaston
                                                               42
                                                                    31
                                                                        135.48
                                                                                   not out
                                                                                                1
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
294
          296
                1/27/2019
                                                                                   caught
                              1st Bangladesh
                                                 Edgbaston
                                                               35
                                                                    33
                                                                        106.06
                                                                                            4
                                                                                                0
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                                                                                                                       NaN
                                         New
295
          297
                1/29/2019
                                                                                                                                       NaN
                             2nd
                                                 Old Trafford
                                                               50
                                                                   72
                                                                        69.44
                                                                                   run out
                                                                                           4
                                                                                               1
                                                                                                        NaN
                                                                                                                  NaN
                                                                                                                             NaN
                                      Zealand
296 rows × 20 columns
```

data.isnull().sum()

Innings 0 Date 0 0 M/Inns 0 Versus Ground 0 Runs 0 B/F 0 0 SR How Dismissed 0 45 0 6S 0 Unnamed: 11 296 Unnamed: 12 296 Unnamed: 13 296 Unnamed: 14 296 Unnamed: 15 296 Unnamed: 16 296 Unnamed: 17 296 Unnamed: 18 296 Unnamed: 19 295 dtype: int64

data.dropna()

```
Innings Date M/Inns Versus Ground Runs B/F SR How Unnamed: Unnamed
```

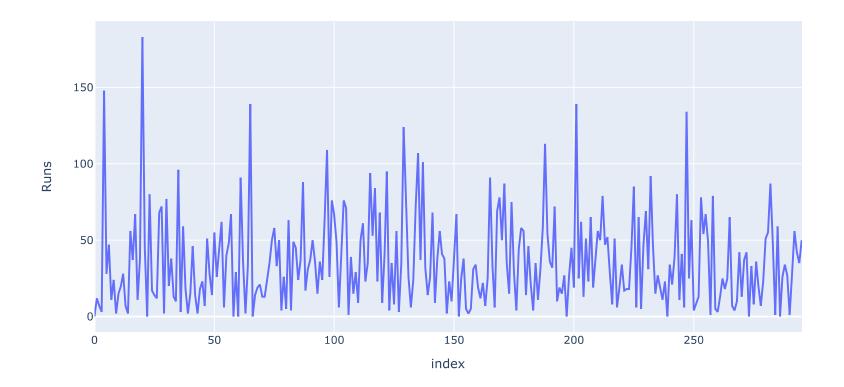
```
# Total Runs Between 12/23/2004 - 1/29/2019
data["Runs"].sum()
```

10686

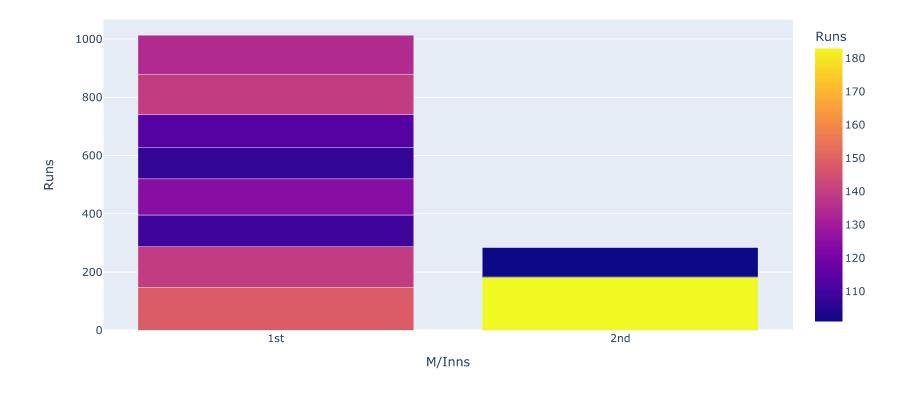
```
# Total Runs Between 12/23/2004 - 1/29/2019
data["Runs"].mean()
```

36.101351351351354

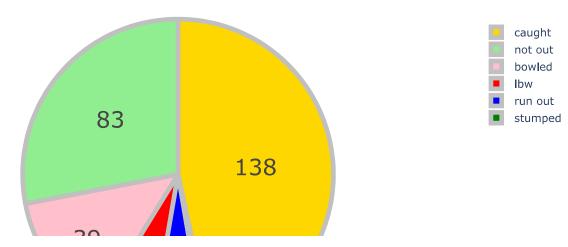
Runs Scored by ms dhoni between 12/23/2004 - 1/29/2019



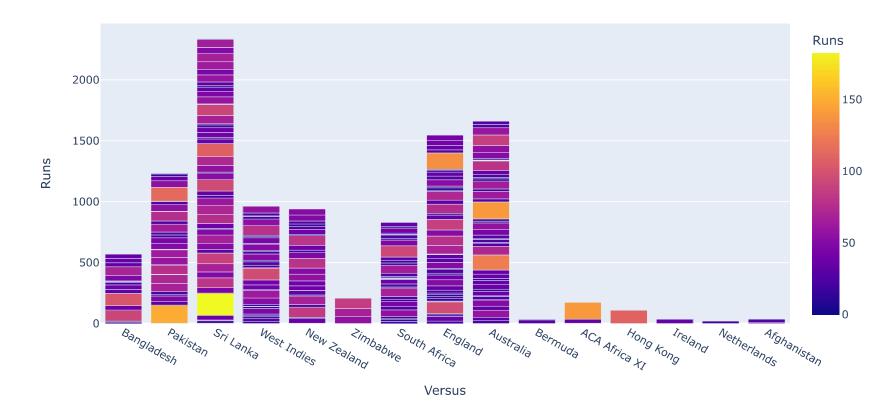
Centuries By ms dhoni in First Innings Vs. Second Innings



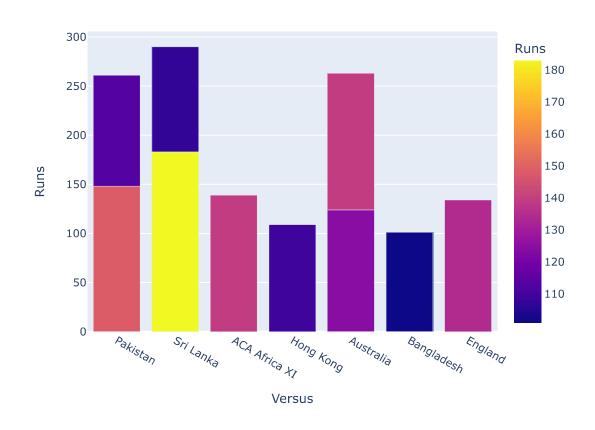
Dismissals of ms dhoni



Most Runs Against Teams



Most Centuries Against Teams



strike_rate = data.query("SR >= 120")
print(strike_rate)

283

285

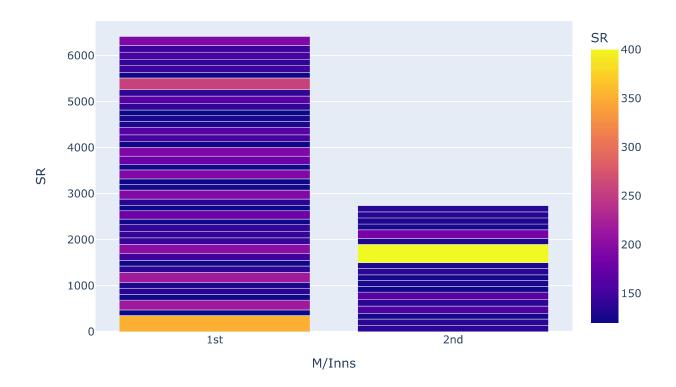
1/16/2019

```
Innings
                    Date M/Inns
                                         Versus \
2
              12/27/2004
                                     Bangladesh
           3
                             1st
4
                4/5/2005
                             1st
                                       Pakistan
10
          11
               7/31/2005
                                    West Indies
                             2nd
12
          13
                8/7/2005
                             1st
                                    West Indies
15
          16
               8/29/2005
                             1st
                                       Zimbabwe
                9/2/2005
16
          17
                             2nd
                                    New Zealand
              10/25/2005
19
          20
                             1st
                                      Sri Lanka
              10/31/2005
20
          21
                             2nd
                                      Sri Lanka
27
          28
                2/6/2006
                             1st
                                       Pakistan
28
          29
               2/13/2006
                                       Pakistan
                             2nd
30
          31
               2/19/2006
                                       Pakistan
                             2nd
33
                4/3/2006
          34
                                        England
                             1st
38
          39
               5/18/2006
                                    West Indies
                             2nd
44
          45
               9/20/2006
                                    West Indies
                             1st
48
          49
              10/29/2006
                             1st
                                      Australia
51
          52
              11/29/2006
                             2nd
                                   South Africa
                                    West Indies
53
          54
               1/21/2007
                             1st
55
          56
               1/31/2007
                                    West Indies
                             1st
               6/10/2007
                                  ACA Africa XI
65
          66
                             1st
67
                7/1/2007
                                   South Africa
          68
                             2nd
                9/2/2007
                                        England
72
          73
                             1st
77
          78
               10/8/2007
                                      Australia
                             1st
93
          94
                3/2/2008
                                      Australia
                             2nd
              11/14/2008
                                        England
107
         108
                             1st
110
         111
              11/23/2008
                             1st
                                        England
118
         119
                3/6/2009
                             1st
                                    New Zealand
123
         124
                7/3/2009
                             2nd
                                    West Indies
         135
              12/15/2009
134
                             1st
                                      Sri Lanka
141
         142
               2/24/2010
                                   South Africa
                             1st
         143
               2/27/2010
                                   South Africa
142
                             2nd
         159
158
               2/27/2011
                                        England
                             1st
                                        England
167
         168
                9/6/2011
                             1st
170
         171
               9/16/2011
                             1st
                                        England
171
         172
              10/14/2011
                             1st
                                        England
181
         182
               3/13/2012
                                      Sri Lanka
                             1st
182
         183
               3/16/2012
                                     Bangladesh
                             1st
                                       Pakistan
183
         184
               3/18/2012
                             2nd
184
         185
               7/21/2012
                             1st
                                      Sri Lanka
                8/4/2012
                                      Sri Lanka
187
         188
                             1st
               1/11/2013
                                        England
191
         192
                             2nd
203
         204
               11/2/2013
                                      Australia
                             1st
204
         205 11/21/2013
                                    West Indies
                             2nd
205
         206 11/24/2013
                                    West Indies
                             1st
               1/22/2014
210
         211
                                    New Zealand
                             2nd
         218 10/11/2014
                                    West Indies
217
                             1st
             10/17/2014
                                    West Indies
218
         219
                             1st
222
         223
               2/15/2015
                                       Pakistan
                             1st
223
         224
               2/22/2015
                             1st
                                   South Africa
236
         237
               1/12/2016
                             1st
                                      Australia
         239
               1/17/2016
238
                             1st
                                      Australia
         250
                6/8/2017
249
                                      Sri Lanka
                             1st
               9/28/2017
                                      Australia
261
         263
                             2nd
              10/29/2017
                                    New Zealand
         266
264
                             1st
266
         268
              12/13/2017
                                      Sri Lanka
                             1st
267
         269
                2/1/2018
                                   South Africa
                             2nd
279
         281
              10/29/2018
                                    West Indies
                             1st
```

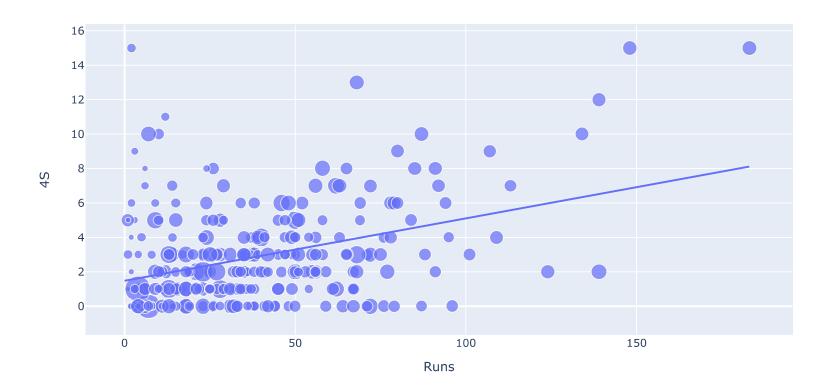
New Zealand

1st

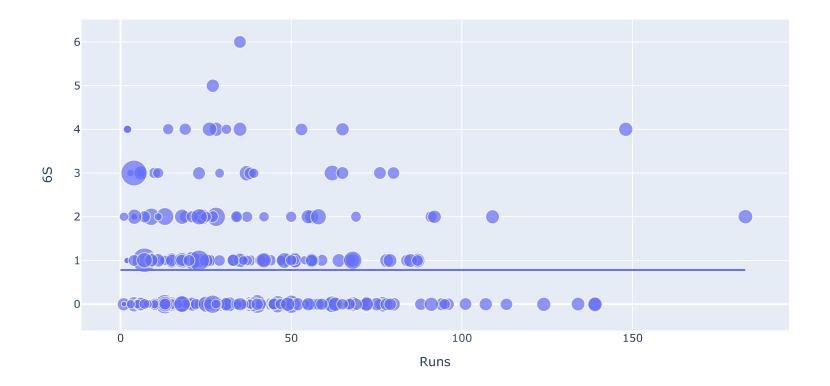
ms dhoni's High Strike Rates in First Innings Vs. Second Innings



Relationship Between Runs Scored and Fours



Relationship Between Runs Scored and Sixes



Colab paid products - Cancel contracts here