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Question1
 In [2]: import pandas as pd
          import numpy as np
          import seaborn as sns
          import pylab as py
          import matplotlib.pyplot as plt
 In [3]: df1 = pd.read_csv (r'datafile1.csv')
          df2 = pd.read_csv (r'datafile2.csv')
          df3 = pd.read_csv (r'datafile3.csv')
          df4 = pd.read_csv (r'datafile4.csv')
          X1 = np.array(df1)
          X2 = np.array(df2)
          X3 = np.array(df3)
          X4 = np.array(df4)
 In [4]: py.figure(1)
          sns.distplot(X1,hist=True)
          plt.title("datafile1")
          plt.xlabel("data")
          plt.ylabel("percentage")
          py.show()
          print("Datafile1.csv")
          print ("Max :",np.nanmax(X1))
          print ("Min :",np.nanmin(X1))
          print ("Mean :",np.nanmean(X1))
          py.figure(2)
          sns.distplot(X2,hist=True)
          plt.title("datafile2")
          plt.xlabel("data")
          plt.ylabel("percentage")
          py.show()
          print("Datafile2.csv")
          print ("Max :",np.nanmax(X2))
          print ("Min :",np.nanmin(X2))
          print ("Mean :",np.nanmean(X2))
          py.figure(3)
          sns.distplot(X3,hist=True)
          plt.title("datafile3")
          plt.xlabel("data")
          plt.ylabel("percentage")
          py.show()
          print("Datafile3.csv")
          print ("Max :",np.nanmax(X3))
          print ("Min :",np.nanmin(X3))
          print ("Mean :",np.nanmean(X3))
          py.figure(4)
          sns.distplot(X4,hist=True)
          plt.title("datafile4")
          plt.xlabel("data")
          plt.ylabel("percentage")
          py.show()
          print("Datafile4.csv")
          print ("Max :",np.nanmax(X4))
          print ("Min :",np.nanmin(X4))
          print ("Mean :",np.nanmean(X4))
                                  datafile1
             0.14
            0.12
            0.10
           80.0 bercentage
            0.04
             0.02
             0.00
                                 15
                                        20
                                                      30
                          10
                                               25
                                    data
          Datafile1.csv
          Max : 29.331484784866785
          Min : 5.7206034074914465
          Mean : 13.934630800804896
                                  datafile2
             0.04
           bercentage
20.0
            0.01
            0.00
                        100
                              200
                                    300
                                           400
                                                 500
                                                       600
                                    data
          Datafile2.csv
          Max : 599.4140066429803
          Min : 0.1922693437904892
          Mean : 20.96145356793556
                                  datafile3
            0.35
            0.30
            0.25
           0.20 bercentage
            0.10
             0.05
            0.00
                                                       12
                   -2
                        0
                                                  10
          Datafile3.csv
          Max : 11.61700225430931
          Min : -1.998506598388104
          Mean : 0.6060478068625623
                                  datafile4
            0.06
            0.05
           bercentage
0.03
            0.02
            0.01
            0.00
                              -5
                      -10
                                      0
                                    data
          Datafile4.csv
          Max : 7.796485169485952
          Min : -9.999095272868287
          Mean : -1.0911807451459632
In [37]: X11 = X1[0:30]
          X12 = X1[180:210]
          plt.plot(X11)
          plt.xlabel("data number")
          plt.ylabel("data value")
          plt.title("datafile1 [:30]")
          plt.show()
          plt.plot(X12)
          plt.xlabel("data number")
          plt.ylabel("data value")
          plt.title("datafile1 [180:210]")
          plt.show()
                               datafile1 [:30]
             22
             20
             18
          data value
            12
             10
                                           20
                                                 25
                             10
                                    15
                       5
                                data number
                             datafile1 [180:210]
             20
             18
           data value
14
             12
            10
                             10
                                                 25
                                    15
                                           20
                                                        30
                                data number
 In [ ]:
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In []: