healdata assignment

May 20, 2023

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[6]: from matplotlib import pyplot as plot
 [7]: import numpy as np
 [8]:
      import pandas as pd
[15]: document = pd.read_csv(r'C:\Users\bonin\Downloads\healdata2.csv')
[19]: average_age = np.mean(document.age)
[20]: print(average_age)
     42.51428571428571
[21]: df = pd.DataFrame(document)
[23]: df.head()
[23]:
                       bmi smoker
                                                             alcohol cholesterol \
              gender
                                        region
                                                exercise
         age
          49
                      28.7
                                                                          135/85
      0
                Male
                               Yes
                                       Regular
                                                    High
                                                          Very High
                                    Occasional
      1
          67
             Female
                      26.8
                                No
                                                Moderate
                                                                High
                                                                          140/90
      2
          41
                Male
                      24.9
                                    Occasional
                                                Moderate
                                                              Normal
                                                                          125/80
                                No
      3
          31
             Female 29.2
                               Yes
                                       Regular
                                                     Low
                                                                High
                                                                          130/85
                Male 23.5
          42
                                No
                                         Never Moderate
                                                              Normal
                                                                          120/80
         systolic_bp
                      diastolic_bp
      0
                  92
                                 71
                 110
                                 60
      1
      2
                  88
                                 84
      3
                 105
                                 63
                  95
                                 80
[43]: num_smokers = len(df[df['smoker'] == 'Yes'])
     print(num_smokers)
[44]:
     17
[31]: bmi = df.bmi
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[32]: cholesterol = df.cholesterol
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[33]: plot.scatter(bmi, cholesterol)

[33]: <matplotlib.collections.PathCollection at 0x2a3741a01c0>



