| <pre>import seaborn as sns In [36]: calories_data=pd.read_csv('C:/Users/ASUS/Desktop/calories burnt calories_data.head()</pre> | |
|---|--|
| | redictor/calories.csv') |
| Out[36]: User_ID Calories 0 14733363 231.0 | |
| 1 14861698 66.0 2 11179863 26.0 3 16180408 71.0 4 17771927 35.0 | |
| <pre>In [37]: exercise_data=pd.read_csv('C:/Users/ASUS/Desktop/calories burnt </pre> | redictor/exercise.csv') |
| Out[37]: User_ID Gender Age Height Weight Duration Heart_Rate Body_Temp 0 14733363 male 68 190.0 94.0 29.0 105.0 40.8 1 14861698 female 20 166.0 60.0 14.0 94.0 40.3 | |
| 2 11179863 male 69 179.0 79.0 5.0 88.0 38.7 3 16180408 female 34 179.0 71.0 13.0 100.0 40.5 4 17771927 female 27 154.0 58.0 10.0 81.0 39.8 | |
| <pre>In [38]: new_df=exercise_data.merge(calories_data,on='User_ID') new_df.head(3)</pre> | |
| Out[38]: User_ID Gender Age Height Weight Duration Heart_Rate Body_Temp Carries 0 14733363 male 68 190.0 94.0 29.0 105.0 40.8 40.8 1 14861698 female 20 166.0 60.0 14.0 94.0 40.3 | 231.0 66.0 |
| 2 11179863 male 69 179.0 79.0 5.0 88.0 38.7 In [39]: new_df.info() | 26.0 |
| <pre><class 'pandas.core.frame.dataframe'=""> Int64Index: 15000 entries, 0 to 14999 Data columns (total 9 columns): # Column Non-Null Count Dtype</class></pre> | |
| 0 User_ID 15000 non-null int64 1 Gender 15000 non-null object 2 Age 15000 non-null int64 3 Height 15000 non-null float64 4 Weight 15000 non-null float64 | |
| 5 Duration 15000 non-null float64 6 Heart_Rate 15000 non-null float64 7 Body_Temp 15000 non-null float64 8 Calories 15000 non-null float64 dtypes: float64(6), int64(2), object(1) | |
| memory usage: 1.1+ MB In [13]: new_df.describe() | |
| count 1.500000e+04 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.0000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 15000.000000 | leart_Rate Body_Temp Calories 00.000000 15000.000000 15000.000000 95.518533 40.025453 89.539533 |
| 25 % 1.247419e+07 28.000000 164.000000 63.000000 8.000000 | 9.583328 0.779230 62.456978 67.000000 37.100000 1.000000 88.000000 39.600000 35.000000 96.00000 40.200000 79.000000 |
| | 03.00000 40.600000 138.00000 28.000000 41.500000 314.000000 |
| <pre>In [40]: new_df.drop('User_ID', axis=1, inplace=True)</pre> In [41]: new_df.head(3) | |
| Out [41]: Gender Age Height Weight Duration Heart_Rate Body_Temp Calories 0 male 68 190.0 94.0 29.0 105.0 40.8 231.0 1 female 20 166.0 60.0 14.0 94.0 40.3 66.0 | |
| 2 male 69 179.0 79.0 5.0 88.0 38.7 26.0 In [42]: #Checking how many males and females are there | |
| licit keyword will result in an error or misinterpretation. warnings.warn(| 36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an exp |
| Out[42]: <axessubplot:xlabel='gender', ylabel="count"> 7000 6000</axessubplot:xlabel='gender',> | |
| 5000 5000 4000 3000 | |
| 1000 | |
| In [43]: #its giving equal distribution for both | |
| In [45]: #finding the distribution of "Age" column and sns.distplot(new_df.Age) | |
| <pre>C:\Users\ASUS\anaconda3\lib\site-packages\seaborn\distributions.p ilar flexibility) or `histplot` (an axes-level function for histo warnings.warn(msg, FutureWarning) Out[45]: Out[45]:</pre> | v:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with sim grams). |
| 0.04 | |
| 0.02 0.01 | |
| 0.00 10 20 30 40 50 60 70 80 90 Age | |
| <pre>In [46]: sns.set() sns.distplot(new_df['Height']) C:\Users\ASUS\anaconda3\lib\site-packages\seaborn\distributions.p</pre> | v:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with sim |
| <pre>ilar flexibility) or `histplot` (an axes-level function for histo warnings.warn(msg, FutureWarning) Out[46]: Out[46]:</pre> | rams). |
| 0.025 0.020 ≥ 0.015 | |
| 0.015 0.010 0.005 | |
| 0.005 0.000 120 140 160 180 200 220 Height | |
| ilar flexibility) or `histplot` (an axes-level function for histo | v:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with sim grams). |
| <pre>ilar flexibility) or `histplot` (an axes-level function for histo warnings.warn(msg, FutureWarning) Out[47]: Out[47]:</pre> <pre> 0.025</pre> | |
| 0.020 ≥ 0.015 | |
| 0.010 | |
| 0.000 40 60 80 100 120 140 Weight | |
| <pre>In [48]: sns.distplot(new_df.Duration) C:\Users\ASUS\anaconda3\lib\site-packages\seaborn\distributions.p ilar flexibility) or `histplot` (an axes-level function for histo warnings.warn(msg, FutureWarning)</pre> | v:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with sim grams). |
| Out[48]: | |