Visualizing the data sns.pairplot(data) In [62]: <seaborn.axisgrid.PairGrid at 0x1db78f97a30> Out[62]: 200 150 5000 4500 4000 2500 2000 25.0 20.0 ig 17.5 15.0 12.5 10.0 7.5 82 80 year 78 y labom 24 2.5 <u>ib</u> 2.0 1.5 In [63]: sns.countplot(data.cylinders) D:\Anaconda\lib\site-packages\seaborn\\_decorators.py:36: FutureWarning: Pass the following variable as a keywor d arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments wit hout an explicit keyword will result in an error or misinterpretation. warnings.warn( <AxesSubplot:xlabel='cylinders', ylabel='count'> Out[63]: 200 175 150 125 100 75 50 25 4 5 cylinders In [64]: sns.countplot(data["model year"]) D:\Anaconda\lib\site-packages\seaborn\ decorators.py:36: FutureWarning: Pass the following variable as a keywor d arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments wit hout an explicit keyword will result in an error or misinterpretation. warnings.warn( <AxesSubplot:xlabel='model year', ylabel='count'> Out[64]: 35 30 25 count 20 15 10 5 72 73 74 77 78 75 76 model year In [65]: sns.countplot(data.origin) D:\Anaconda\lib\site-packages\seaborn\\_decorators.py:36: FutureWarning: Pass the following variable as a keywor d arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments wit hout an explicit keyword will result in an error or misinterpretation. warnings.warn( <AxesSubplot:xlabel='origin', ylabel='count'> Out[65]: 250 200 150 100 50 2 origin In [66]: sns.distplot(data.displacement) D:\Anaconda\lib\site-packages\seaborn\distributions.py: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 functio n with similar flexibility) or `histplot` (an axes-level function for histograms). warnings.warn(msg, FutureWarning) <AxesSubplot:xlabel='displacement', ylabel='Density'> Out[66]: 0.007 0.006 0.005 0.004 0.003 0.003 0.002 0.001 0.000 500 100 200 300 displacement sns.distplot(data.horsepower) In [67]: D:\Anaconda\lib\site-packages\seaborn\distributions.py: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 functio n with similar flexibility) or `histplot` (an axes-level function for histograms). warnings.warn(msg, FutureWarning) <AxesSubplot:xlabel='horsepower', ylabel='Density'> 0.016

0.008 0.008 0.006 0.004 0.002 0.000 100 150 250 horsepower In [68]: sns.distplot(data.weight) D:\Anaconda\lib\site-packages\seaborn\distributions.py: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 functio n with similar flexibility) or `histplot` (an axes-level function for histograms). warnings.warn(msg, FutureWarning) <AxesSubplot:xlabel='weight', ylabel='Density'> Out[68]: 0.0006 0.0005 0.0004

0.014

0.0003

0.0002

0.0001

0.0000

450 400 350

300 250 200

150 100

10.0

12.5

In [71]: sns.scatterplot(data.acceleration,data.horsepower)

acceleration

displacement

Out[69]:

1000

In [69]: sns.distplot(data.acceleration)

2000

warnings.warn(msg, FutureWarning)

3000

<AxesSubplot:xlabel='acceleration', ylabel='Density'>

weight

5000

n with similar flexibility) or `histplot` (an axes-level function for histograms).

22.5

25.0

6000

D:\Anaconda\lib\site-packages\seaborn\distributions.py: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)

4000

0.175 0.150 0.125 0.100 0.075 0.075 0.050 0.025 0.000 15 20 25 acceleration In [70]: sns.scatterplot(data.acceleration,data.displacement)  $\label{libsite-packages} \begin{tabular}{ll} D:\Anaconda\lib\site-packages\seaborn\glabel{libsite-packages} \end{tabular} as keyword in the packages of the containing of the packages of th$ args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation. warnings.warn( <AxesSubplot:xlabel='acceleration', ylabel='displacement'> Out[70]:

D:\Anaconda\lib\site-packages\seaborn\\_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation. <AxesSubplot:xlabel='acceleration', ylabel='horsepower'> Out[71]: 225 200 175 horsepower 150 125 100 75 50 7.5 10.0 12.5 22.5 25.0 15.0 17.5 acceleration