impor impor from impor from	ort pandas as pd ort numpy as np ort matplotlib.pyplot as plt on scipy import stats ort statsmodels.api as sm on scipy.stats import pearsonr ort seaborn as sns
T. [0]	a=pd.read_csv("C:/Users/ADMIN/Documents/weight-height.csv",na_values="?") a.head()
0 1 1 1 2 1 3 1	Andre Prince Height Prince Weight Prince Male 73.84701 241.893563 Male 87.81902 162.310473 Male 74.11015 212.740856 Male 87.33978 220.042470 Male 98.81798 206.349801
Out[4]. Gende	
	67.809015 179.934465 1 67.810251 170.457826 1 67.814286 192.066392 1 le 64.854997 146.692798 1 64.855262 150.397118 1 64.859973 140.784838 1
Tn [5].	th: 10000, dtype: int64
In [6]: data	a.columns x(['Gender', 'Height', 'Weight'], dtype='object')
Out[7]:	nd method DataFrame.info of Gender Height Weight Male 73.847017 241.893563 Male 68.781904 162.310473
9996 9997 9998	
T. [0].	20 rows x 3 columns]> a.boxplot() sSubplot:>
250	
150	
	Height Weight A.hist() y([[<axessubplot:title={'center':'height'}>,</axessubplot:title={'center':'height'}>
2000 - 1500 -	Height Weight 2000 1500
1000 - 500 -	500
Out[17]: Gende	
Weigh dtype In [11]: data Out[11]: count	nt 0 e: int64 a.Gender.describe() t 10000
uniquitop freq Name:	Male 5000 Gender, dtype: object a.Gender.value_counts()
In [13]: plt.	le 5000 : Gender, dtype: int64 boxplot(data.Height)
<pre></pre>	iskers': [<matplotlib.lines.line2d 0x15df52af250="" at="">, atplotlib.lines.Line2D at 0x15df52af5e0>], as': [<matplotlib.lines.line2d 0x15df52af970="" at="">, atplotlib.lines.Line2D at 0x15df52af00>], atplotlib.lines.Line2D at 0x15df52afd00>], atplotlib.lines.Line2D at 0x15df52afd00>], atplotlib.lines.Line2D at 0x15df529fe80>], dians': [<matplotlib.lines.line2d 0x15df52ba0d0="" at="">], atplotlib.lines.Line2D at 0x15df52ba0d0>], atplotlib.lines.Line2D at 0x15df52ba0d0>], atplotlib.lines.Line2D at 0x15df52ba0d0>], atplotlib.lines.Line2D at 0x15df52ba0d0>], atplotlib.lines.Line2D at 0x15df52ba0d0>],</matplotlib.lines.line2d></matplotlib.lines.line2d></matplotlib.lines.line2d>
'mea 80 - 75 - 70 -	ans': []}
65 - 60 -	
	hist(data.Height) ay([23., 218., 926., 1906., 2196., 2167., 1612., 765., 163.,
arra <bar< th=""><th>24.]), ay([54.26313333, 56.73669423, 59.21025513, 61.68381604, 64.15737694, 66.63093784, 69.10449874, 71.57805964, 74.05162055, 76.52518145, 78.99874235]), rContainer object of 10 artists>)</th></bar<>	24.]), ay([54.26313333, 56.73669423, 59.21025513, 61.68381604, 64.15737694, 66.63093784, 69.10449874, 71.57805964, 74.05162055, 76.52518145, 78.99874235]), rContainer object of 10 artists>)
2000 - 1500 - 1000 -	
500 - ₀ _	55 60 65 70 75 80
Out[15]: {'whi	boxplot(data.Weight) iskers': [<matplotlib.lines.line2d 0x15df537df70="" at="">, atplotlib.lines.Line2D at 0x15df538d340>], as': [<matplotlib.lines.line2d 0x15df538d6d0="" at="">, atplotlib.lines.Line2D at 0x15df538d6d0>, atplotlib.lines.Line2D at 0x15df538da60>],</matplotlib.lines.line2d></matplotlib.lines.line2d>
'med 'fli	xes': [<matplotlib.lines.line2d 0x15df537dbe0="" at="">], dians': [<matplotlib.lines.line2d 0x15df538ddf0="" at="">], iers': [<matplotlib.lines.line2d 0x15df539a1c0="" at="">], ans': []}</matplotlib.lines.line2d></matplotlib.lines.line2d></matplotlib.lines.line2d>
200 -	
In [16]: plt.H	hist(data.Weight)
arra	ay([15., 278., 1241., 2175., 1849., 2016., 1747., 598., 71., 10.]), ay([64.70012671, 85.22908389, 105.75804107, 126.28699825, 146.81595543, 167.3449126 , 187.87386978, 208.40282696, 228.93178414, 249.46074132, 269.9896985]), rContainer object of 10 artists>)
2000 -	
1000 - 500 -	
	100 150 200 250 scatterplot(x="Height", y="Weight", data=data) sSubplot:xlabel='Height', ylabel='Weight'>
250 - 200 - 200 - 150 -	
≥ 150 ·	
	55 60 65 70 75 80 Bar(data.Gender,data.Height) Container object of 10000 artists>
80 - 70 - 60 - 50 -	
40 - 30 - 20 - 10 -	Male Female
In [23]: plt.	Male Female bar(data.Gender,data.Weight) Container object of 10000 artists>
250 - 200 - 150 -	
100 - 50 -	Male Female
	bar(data.Weight,data.Height) Container object of 10000 artists>
70 - 60 - 50 - 40 -	
30 - 20 - 10 - 0	100 150 200 250
Out[26]: (0.92	rsonr(data.Height,data.Weight) 247562987378068, 0.0) rsonr(data.Weight,data.Weight)
Out[28]: (1.0, In [30]: pears	rsonr(data.Weight,data.Height)
Out[30]: (0.92) In []:	247562987378068, 0.0)
[]	