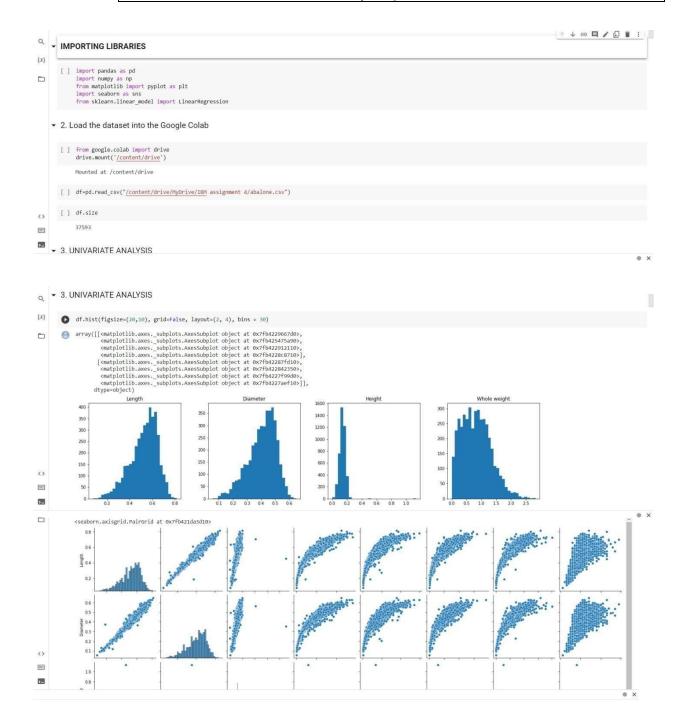
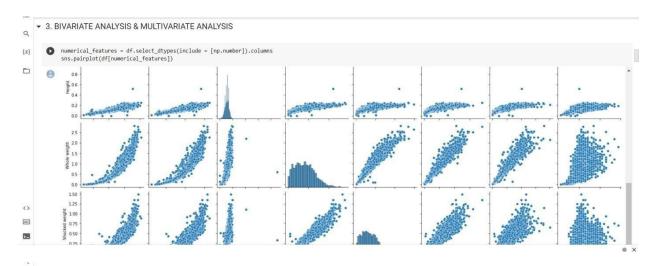
Assignment-4

Date	12.11.2022
Team Id	PNT2022TMID24138
Project Name	Estimated The Crop Yield
	using Data Analytics
Team Leader	Sandhiya.D
Team Member	Ruthra.M
	Priyadharshini.P
	Tejasvani.D





▼ 4. Descriptive statistics {x}

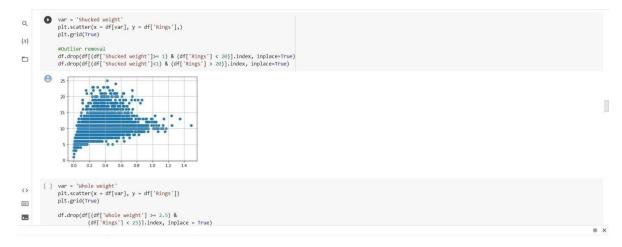
[] df.describe()

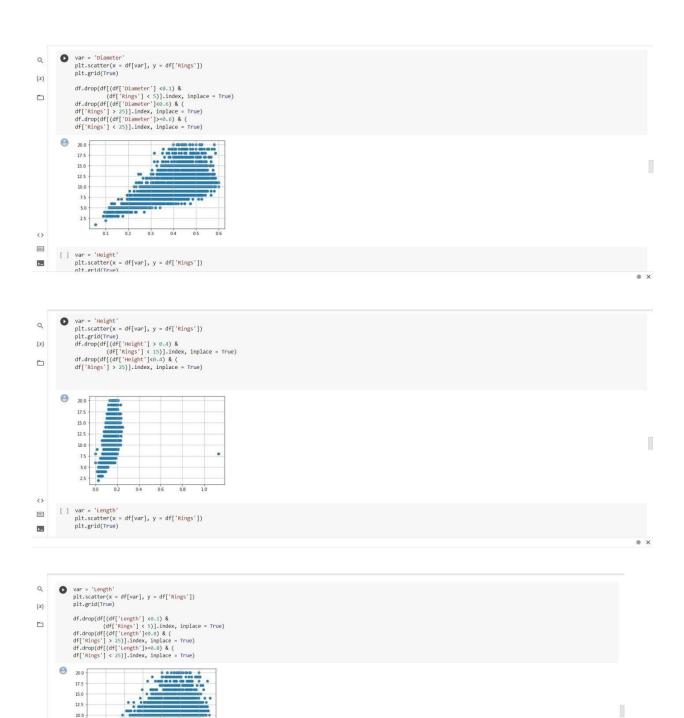
	Length	Diameter	Height	Whole weight	Shucked weight	Viscera weight	Shell weight	Rings
count	4177.000000	4177.000000	4177.000000	4177.000000	4177.000000	4177.000000	4177.000000	4177.000000
mean	0.523992	0.407881	0.139516	0.828742	0.359367	0.180594	0.238831	9.933684
std	0.120093	0.099240	0.041827	0.490389	0.221963	0.109614	0.139203	3.224169
min	0.075000	0.055000	0.000000	0.002000	0.001000	0.000500	0.001500	1.000000
25%	0.450000	0.350000	0.115000	0.441500	0.186000	0.093500	0.130000	8.000000
50%	0.545000	0.425000	0.140000	0.799500	0.336000	0.171000	0.234000	9.000000
75%	0.615000	0.480000	0.165000	1.153000	0.502000	0.253000	0.329000	11.000000
max	0.815000	0.650000	1.130000	2.825500	1.488000	0.760000	1.005000	29.000000









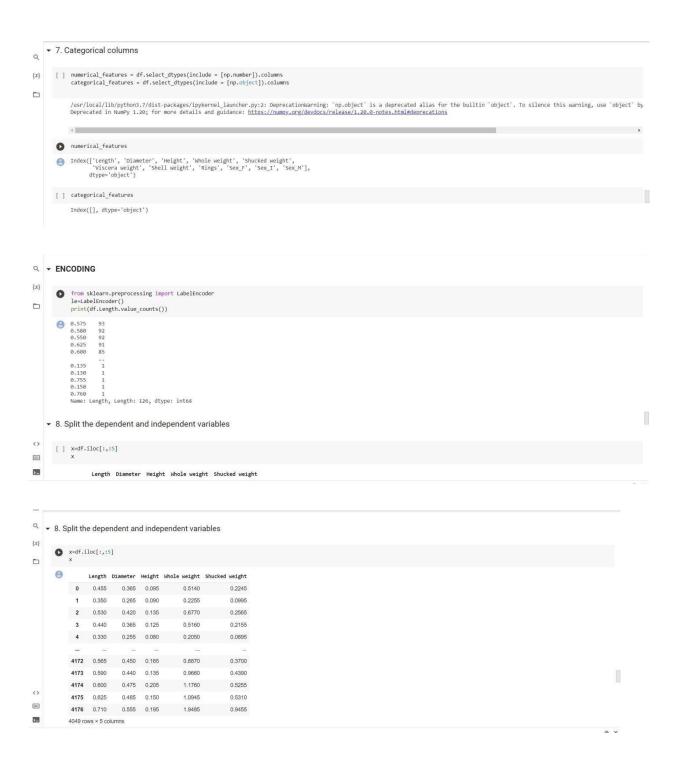


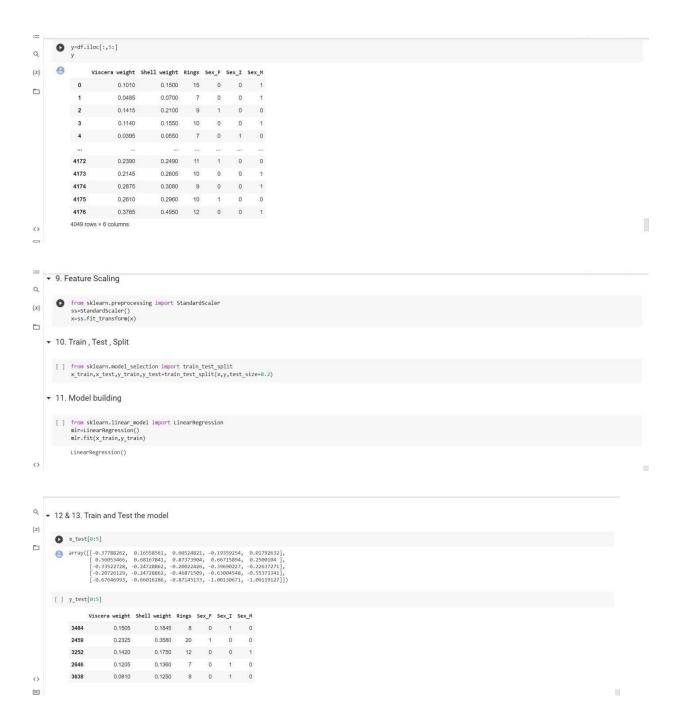
10.0 7.5 5.0

0.2

0.4 0.5 0.6

<>







from sklearn.metrics import r2_score
r2_score(mlr.predict(x_test),y_test)

-3.0610852112635683

<>