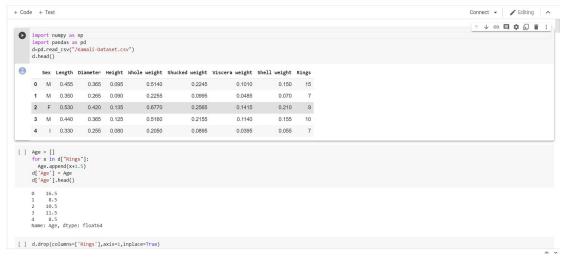
Assignment-3 Statistical Machine Learning Approaches To Liver Disease Prediction

Student Name	Kamali R
Student Roll no	621319104019
Maximum Marks	2 Marks

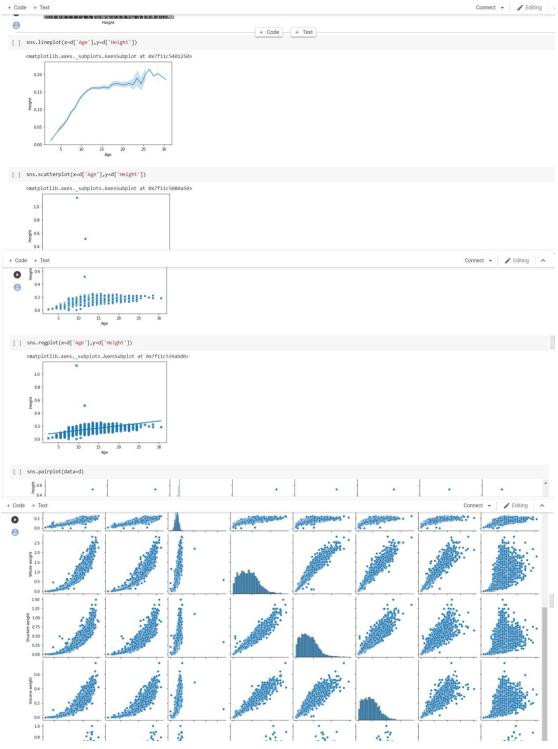
Abalone Age Prediction:

Download the dataset Load the dataset into the tool.

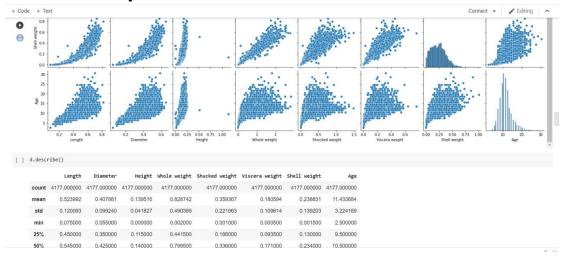


Univariate Analysis Bi-Variate Analysis Multi-Variate Analysis

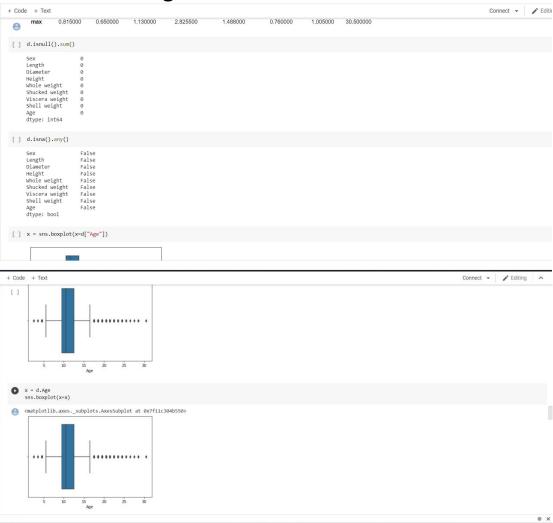


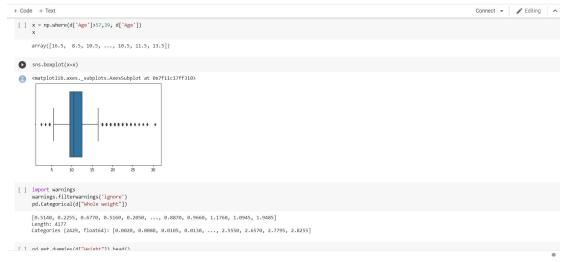


Perform descriptive statistics on the dataset.



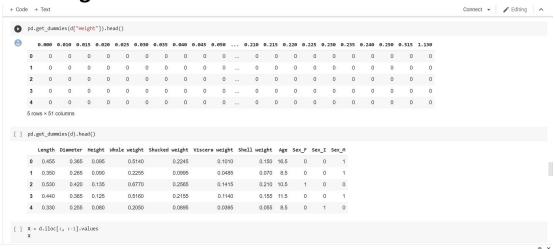
Check for Missing values and deal with them.





Split the data into dependent and independent variables.

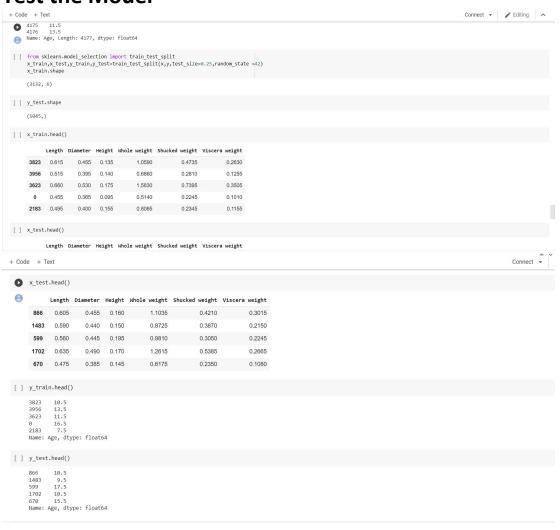
Check for Categorical columns and perform encoding.



Scale the independent variables

ode	e + Te	ext					
	1	0.350	0.265	0.090	0.2255	0.0995	0.0485
ť 1	2	0.530	0.420	0.135	0.6770	0.2565	0.1415
	3	0.440	0.365	0.125	0.5160	0.2155	0.1140
	4	0.330	0.255	0.080	0.2050	0.0895	0.0395
						200	***
	4172	0.565	0.450	0.165	0.8870	0.3700	0.2390
	4173	0.590	0.440	0.135	0.9660	0.4390	0.2145
	4174		0.475	0.205	1.1760	0.5255	0.2875
	4175		0.485	0.150	1.0945	0.5310	0.2610
	4176	0.710	0.555	0.195	1.9485	0.9455	0.3765
	4177 ro	ws × 6 colu	mns				
		iloc[:, -	1]				
	У						
	0	16.5 8.5					
	2	10.5					
	3	11.5 8.5					
	4172	12.5					
	4173	11.5					
	4174 4175	10.5 11.5					
	4176	13.5					

Split the data into training and testing Build the Model Train the Model Test the Model



Measure the performance using Metrics.

