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## I. Objective

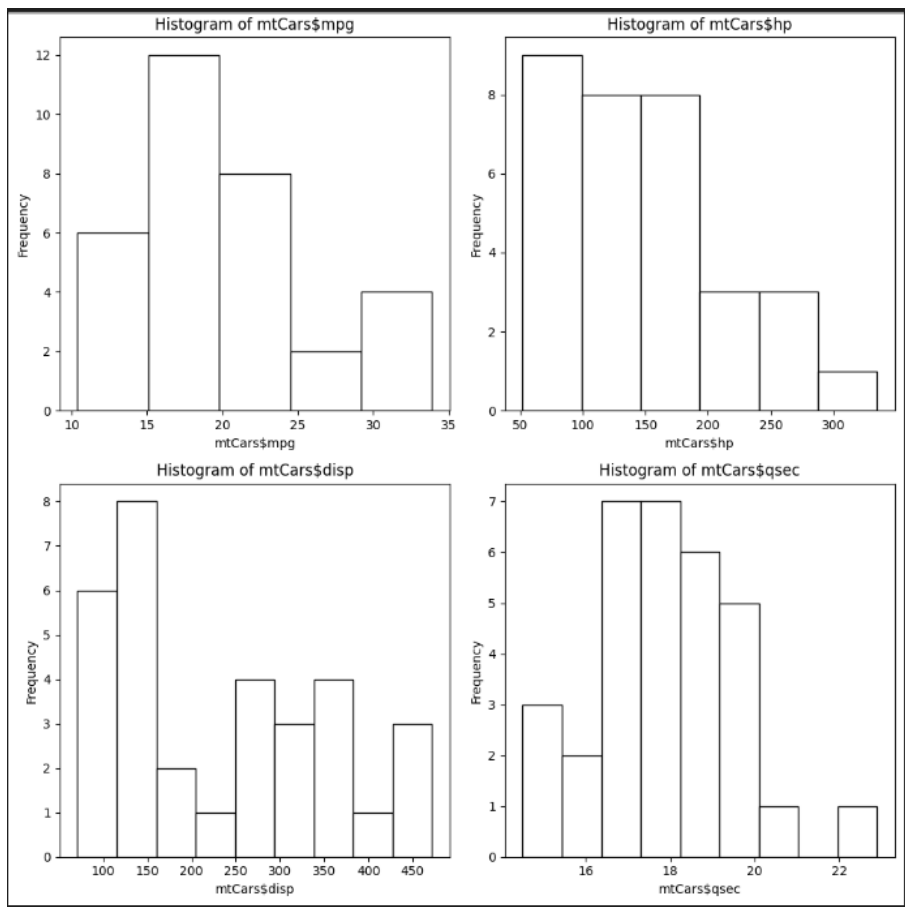
The goals and the purposes of this exercise are helping students to have a better understanding of statistic and machine learning in Python.

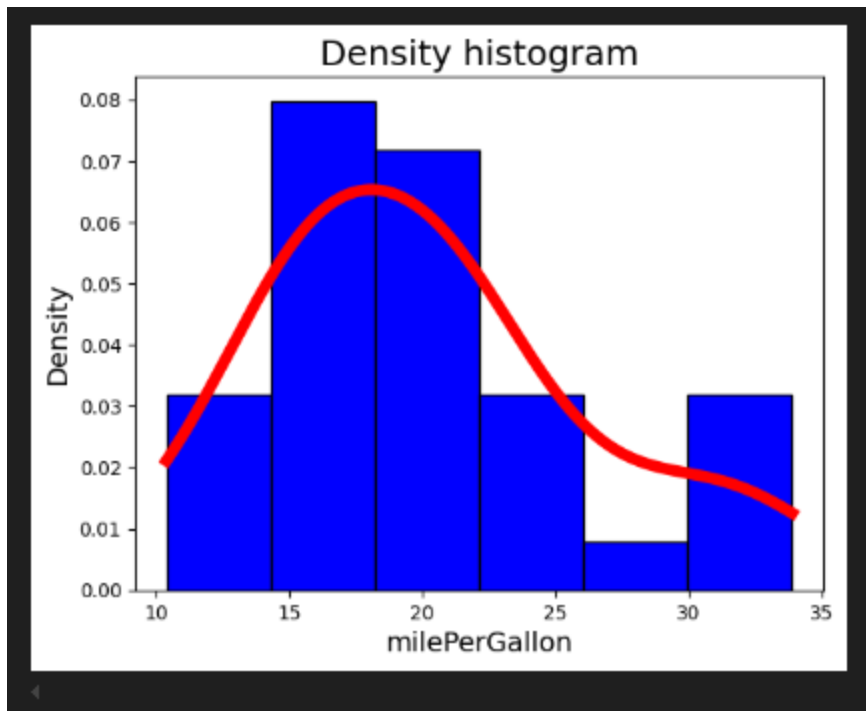
## II. Algorithm

Linear regression, Data Frame

## III. Program Output

### a. 3-1





b. 3-2

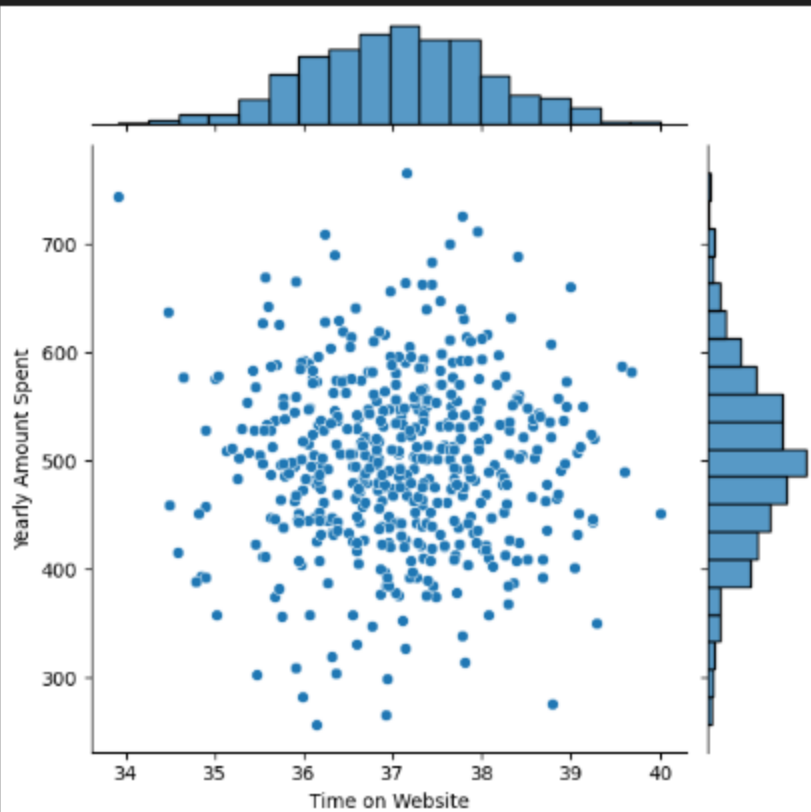
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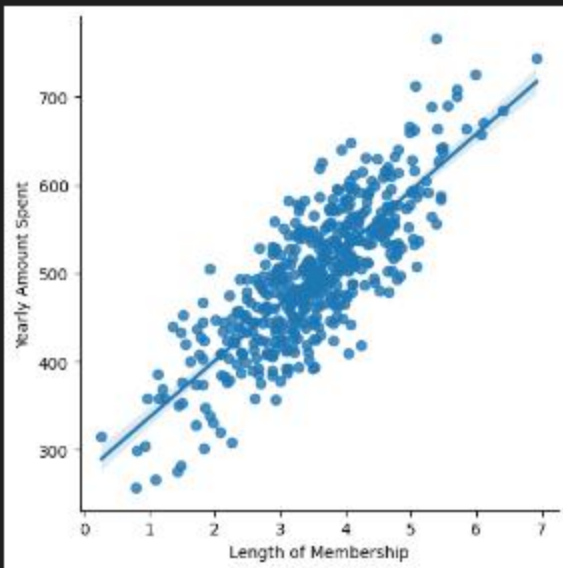
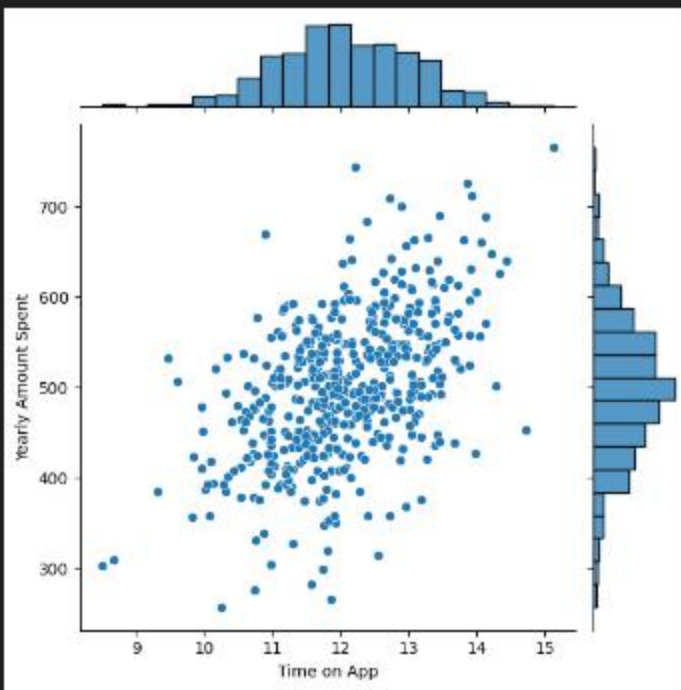
Data columns (total 8 columns):

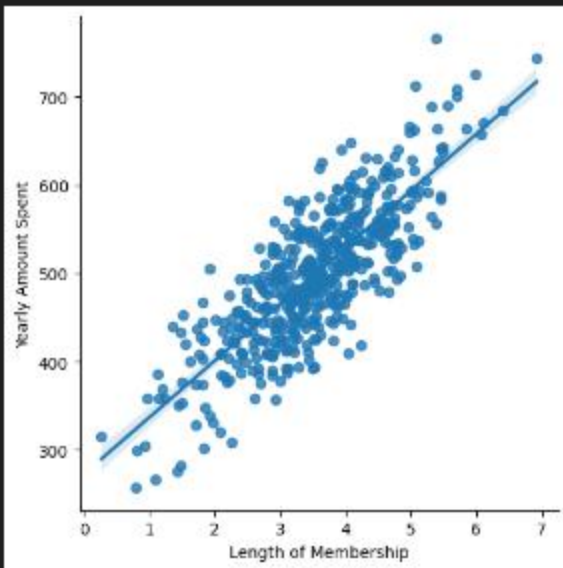
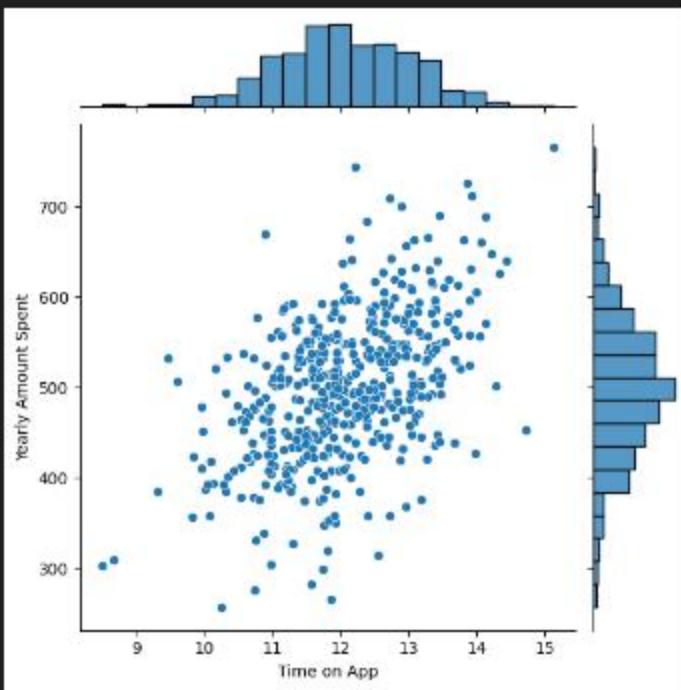
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0	Email	500 non-null	object
1	Address	500 non-null	object
2	Avatar	500 non-null	object
3	Avg. Session Length	500 non-null	float64
4	Time on App	500 non-null	float64
5	Time on Website	500 non-null	float64
6	Length of Membership	500 non-null	float64
7	Yearly Amount Spent	500 non-null	float64

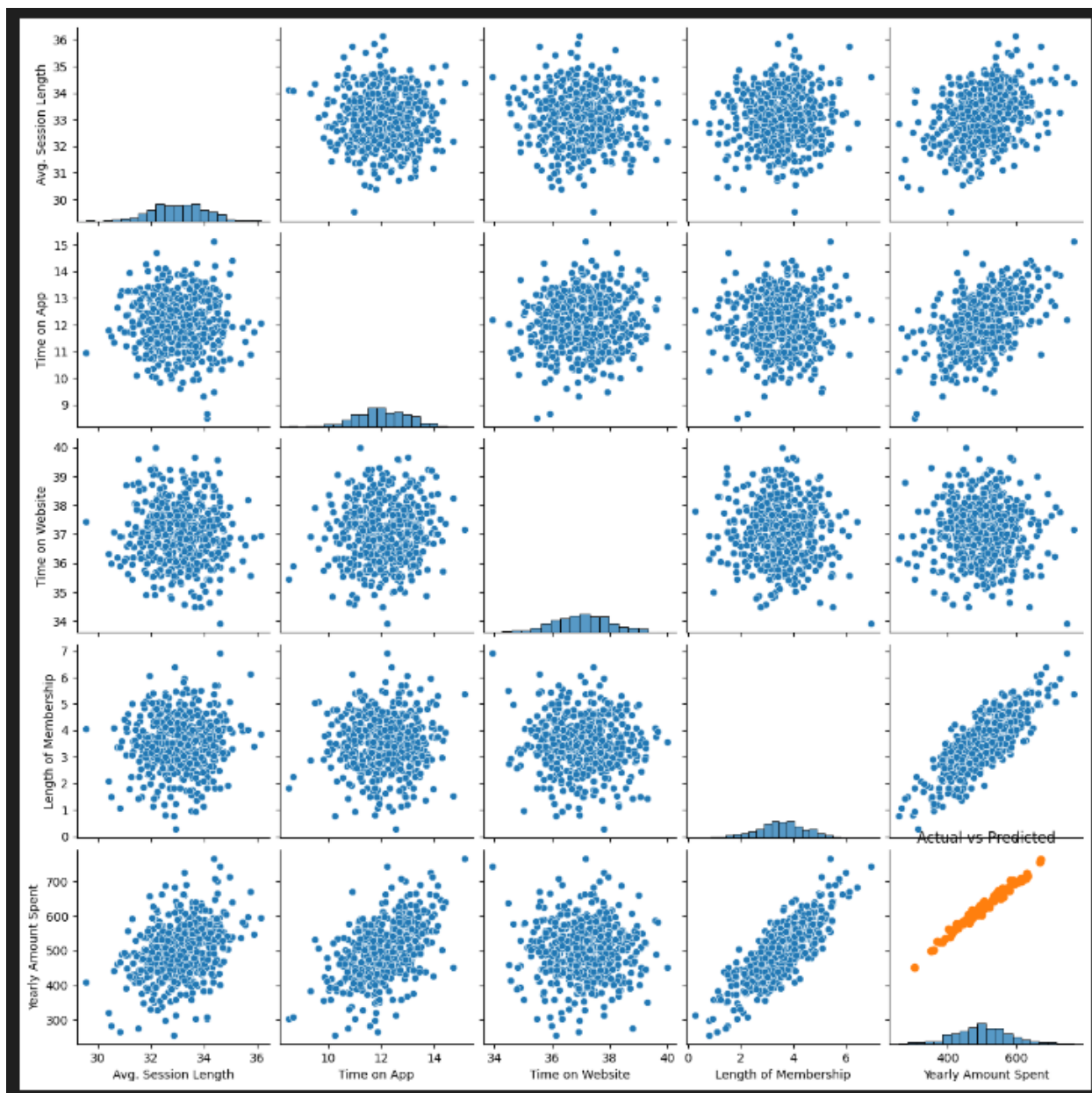
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memory usage: 31.4+ KB









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MSE : 110.59616311728778  
RMAE : 10.512191166317695

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	Coefficient
Avg. Session Length	25.784781
Time on App	39.098929
Time on Website	0.714824
Length of Membership	61.609596

