**ARAVINDH.M**

**ASSIGNMENT 5**

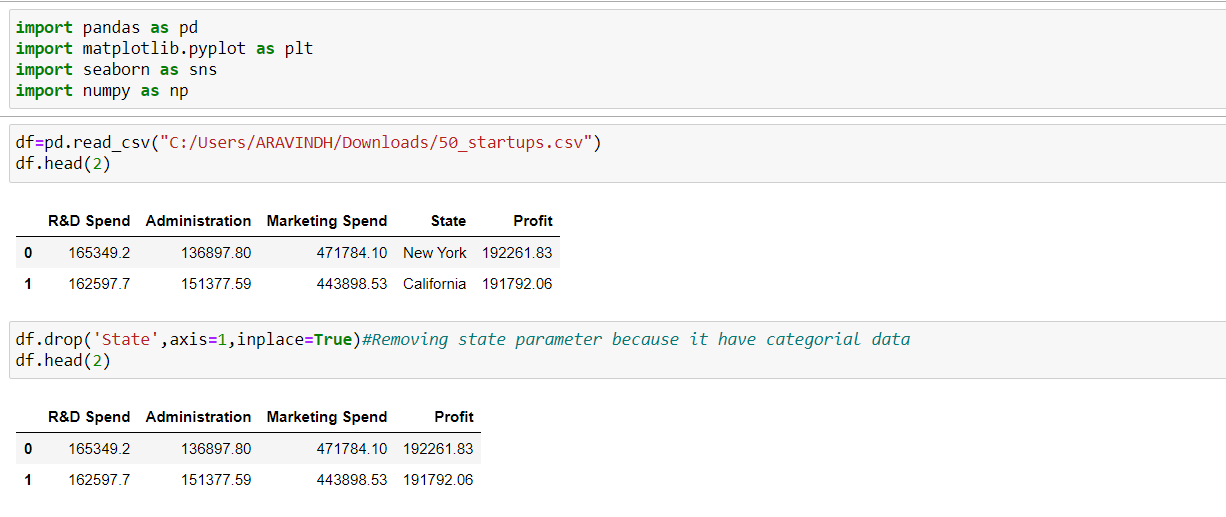
**TOPIC: MULTIPLE LINEAR REGRESSION**

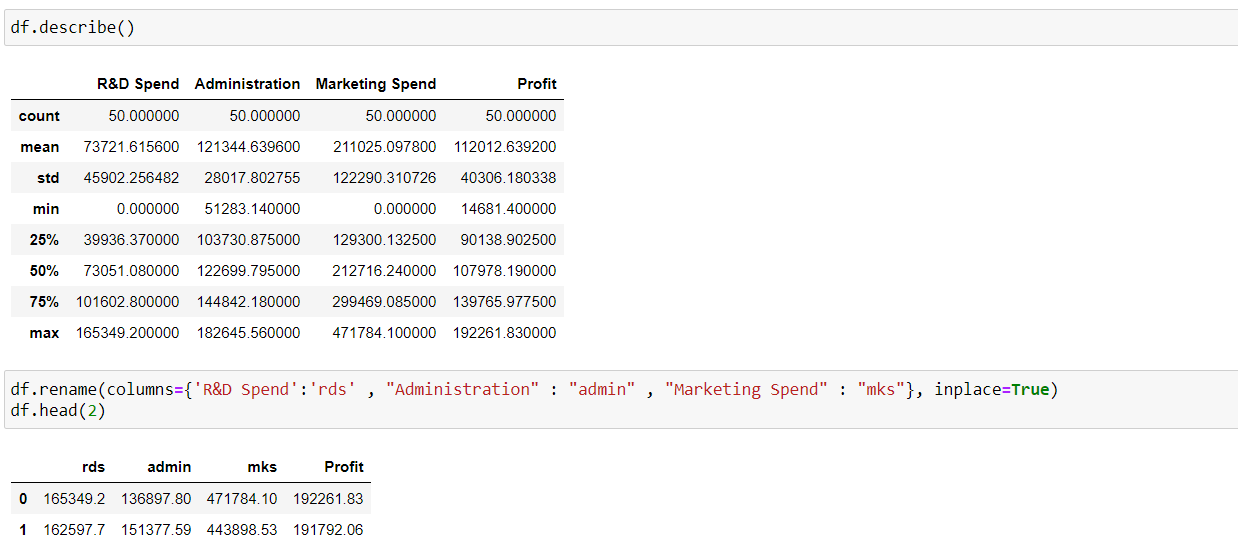
**PYTHON FILES IN GITHUB:** QUESTION1->ASSIGN\_MLR(profit)

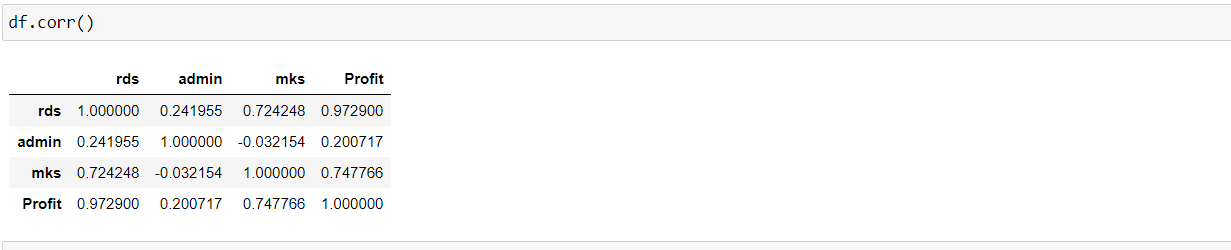
QUESTION2->ASSIGN\_MLR(toyota)

**QUESTION1:**

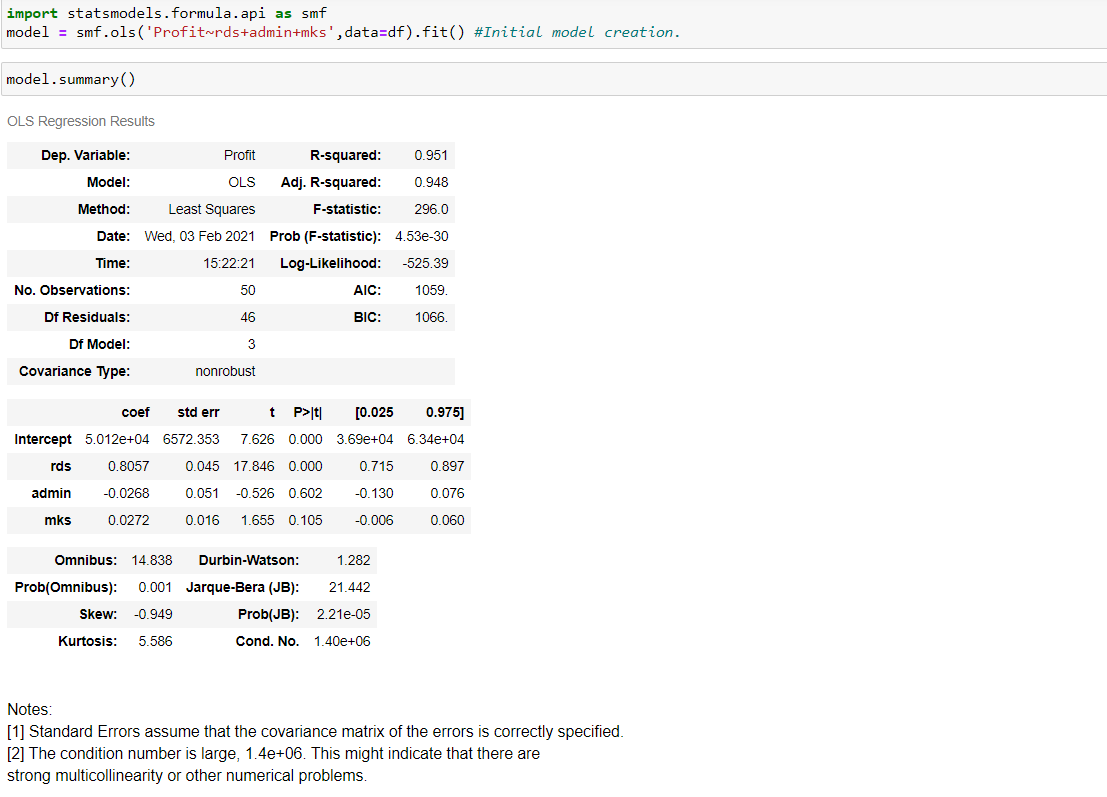
**Prepare a prediction model for profit of 50\_startups data.Do transformations for getting better predictions of profit and make a table containing R^2 value for each prepared model.**

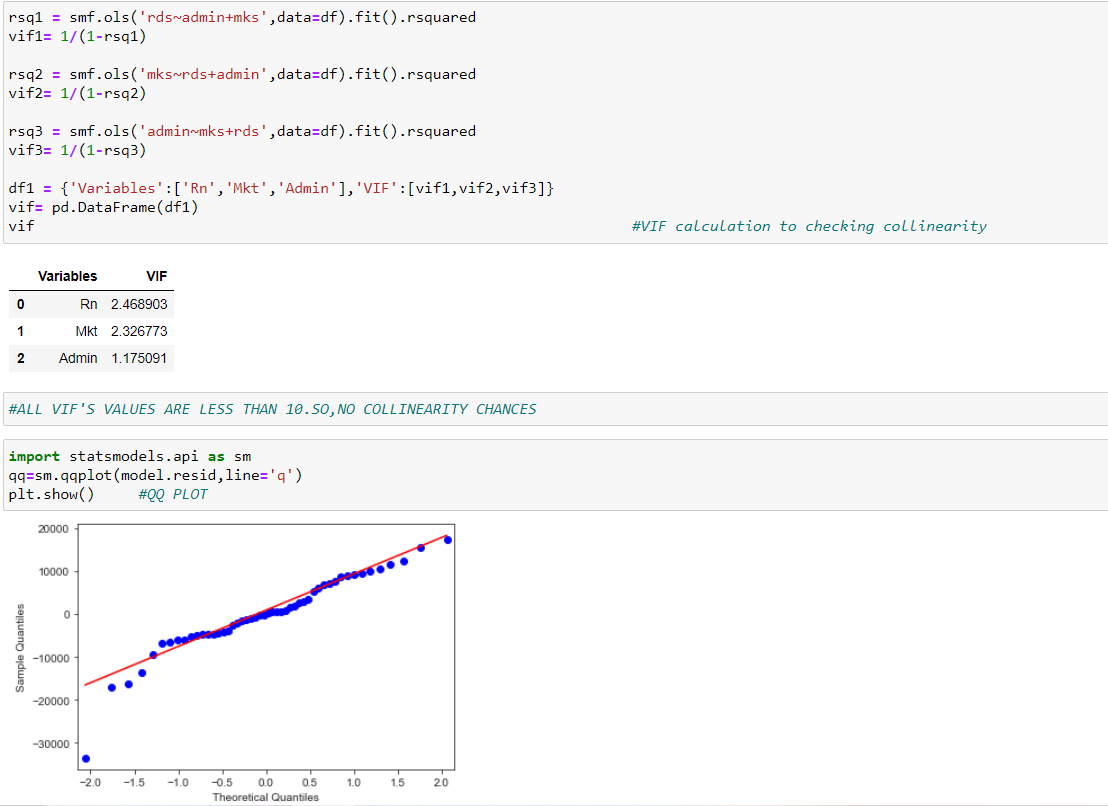
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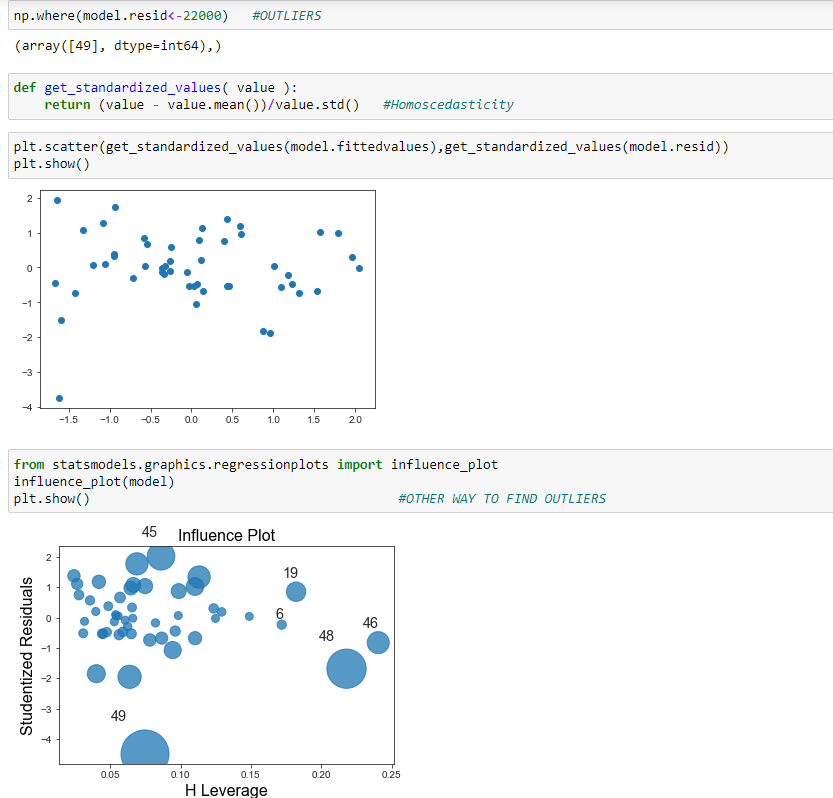
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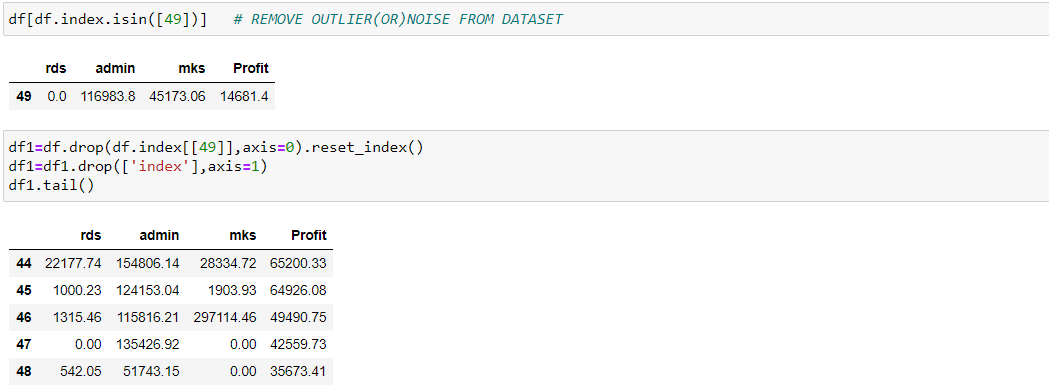
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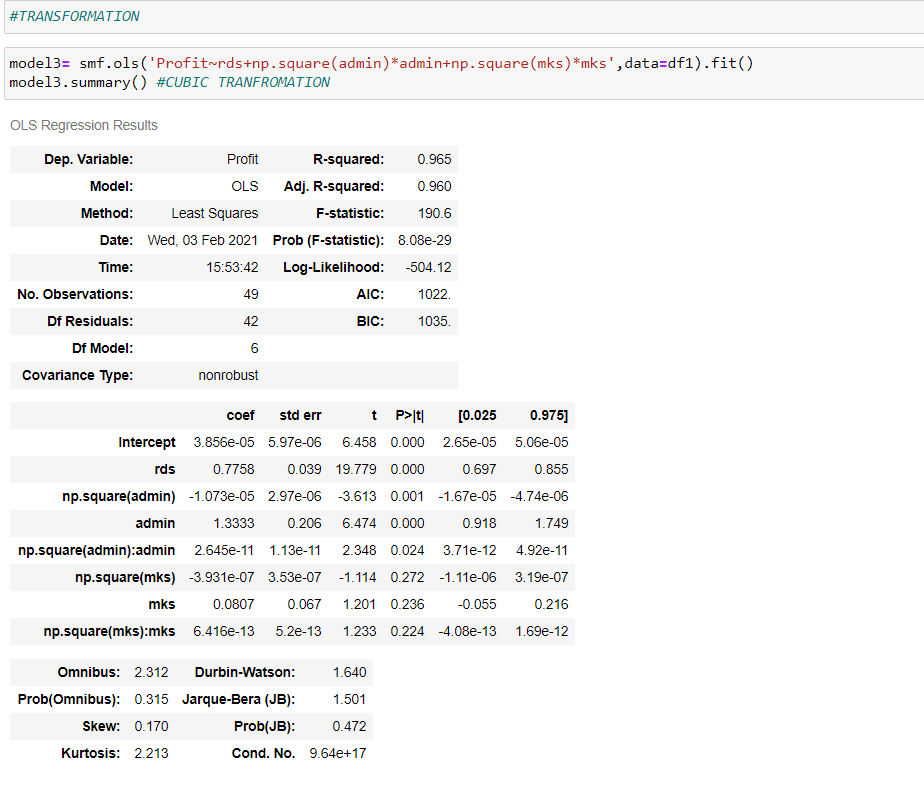
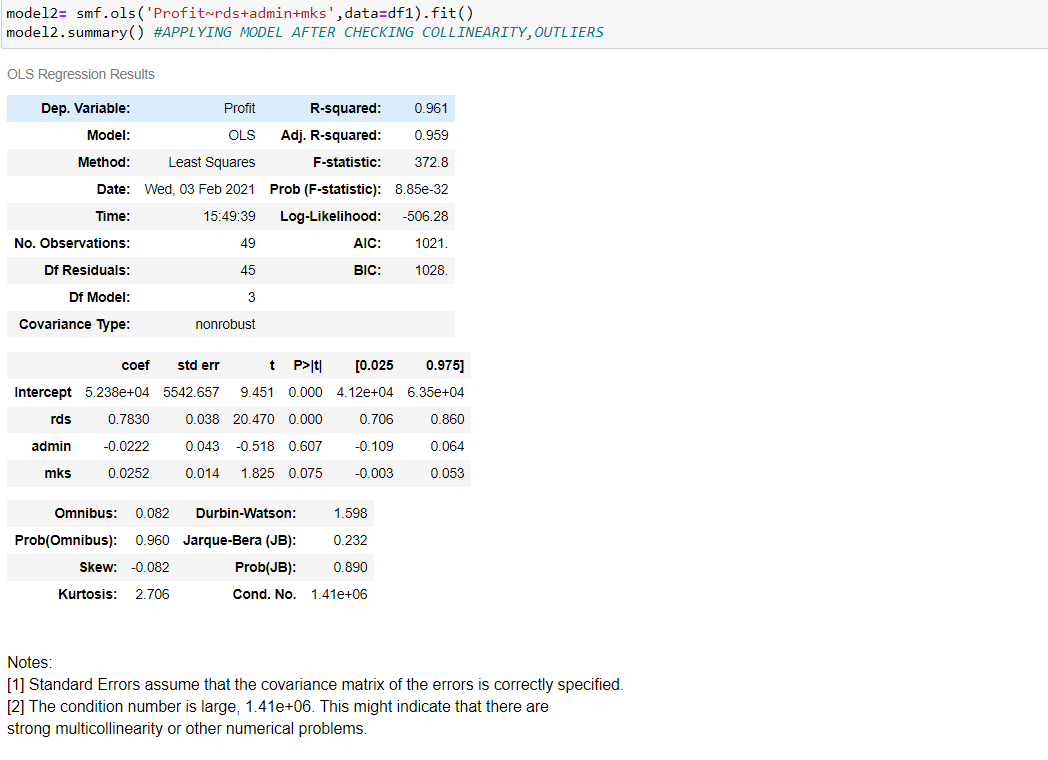
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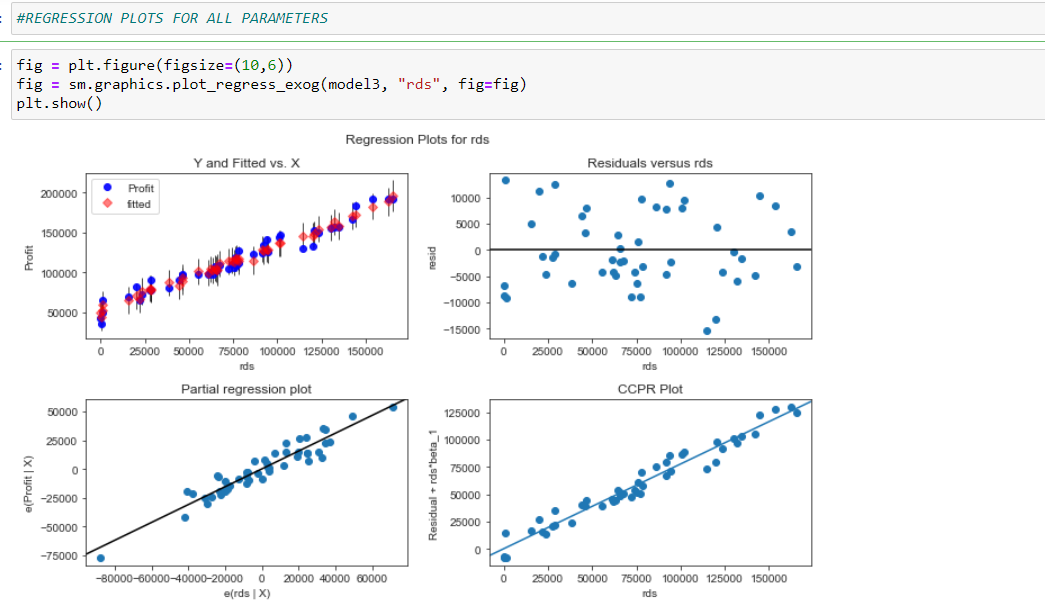
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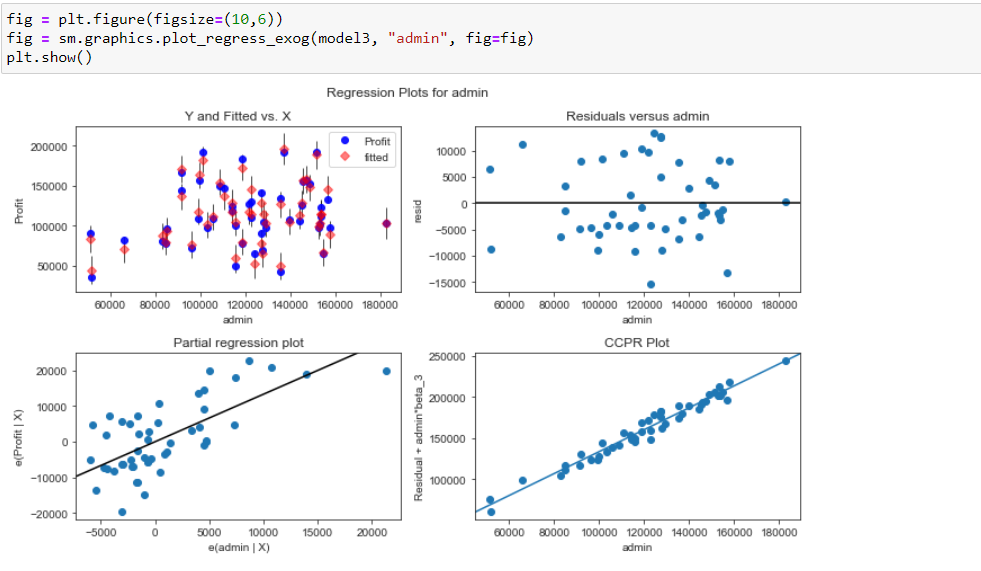
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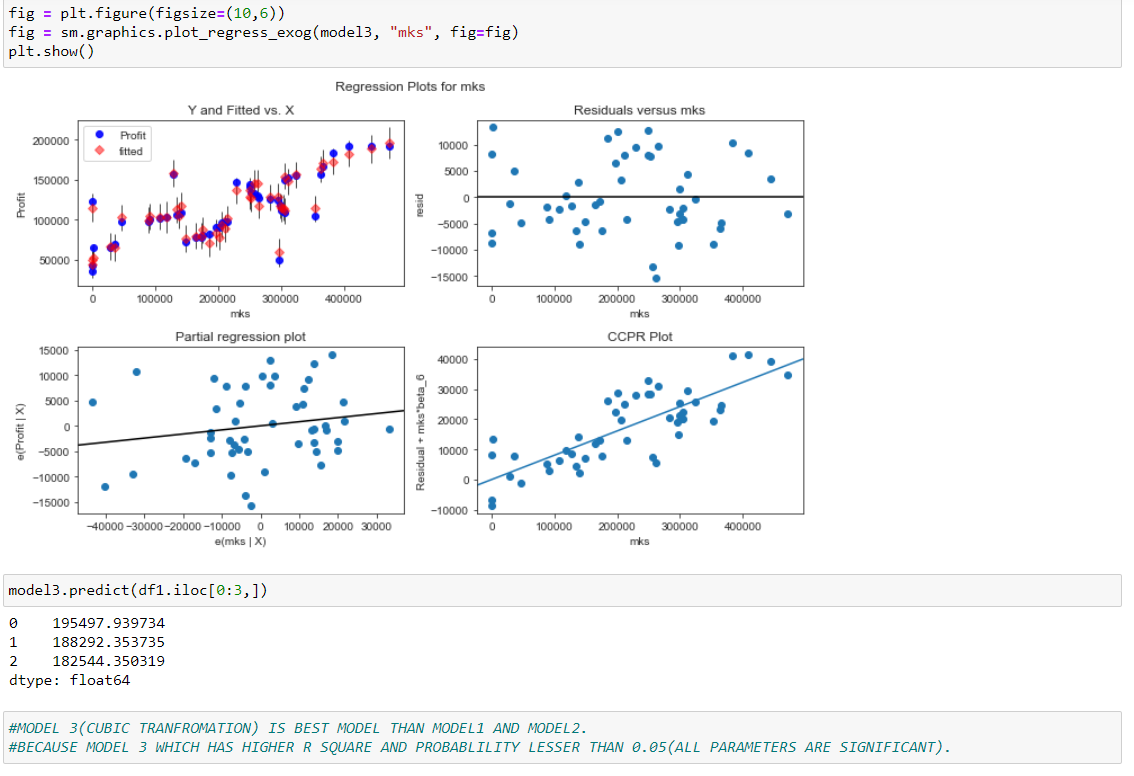
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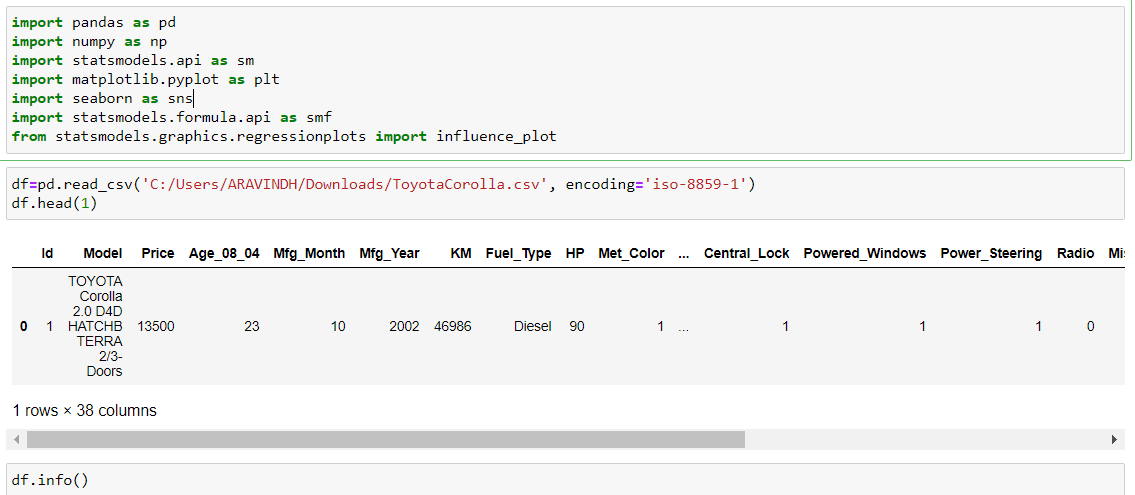
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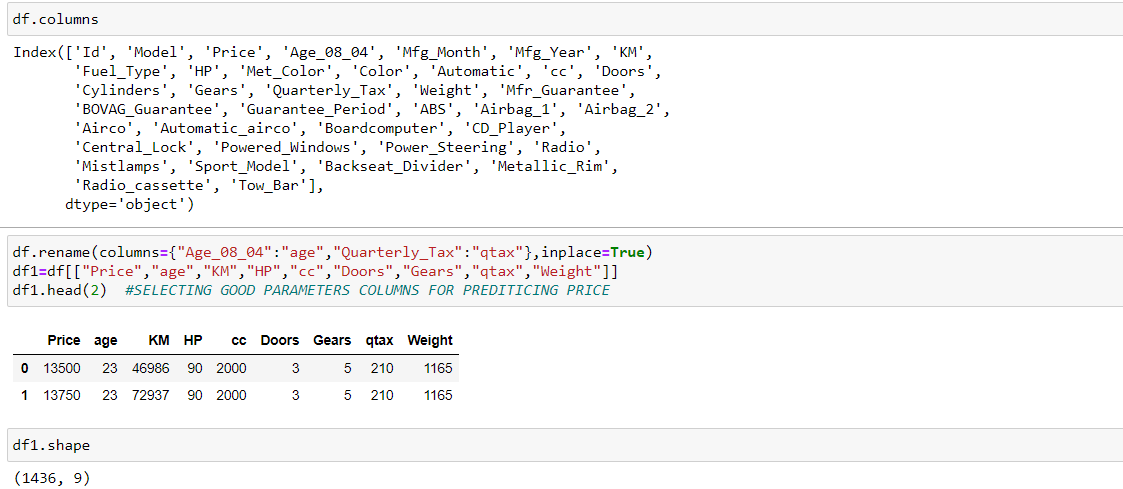
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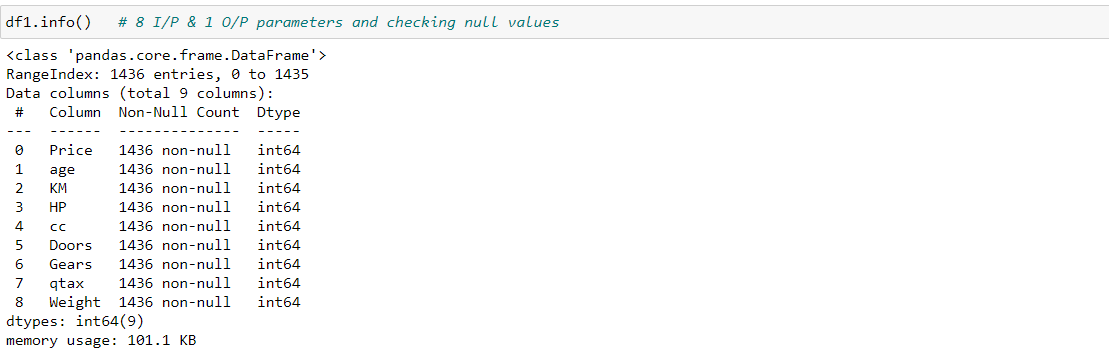
**QUESTION 2:**

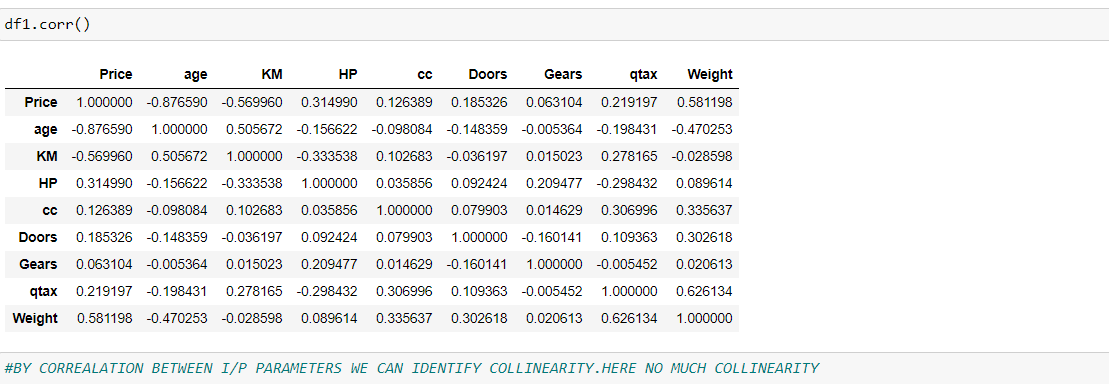
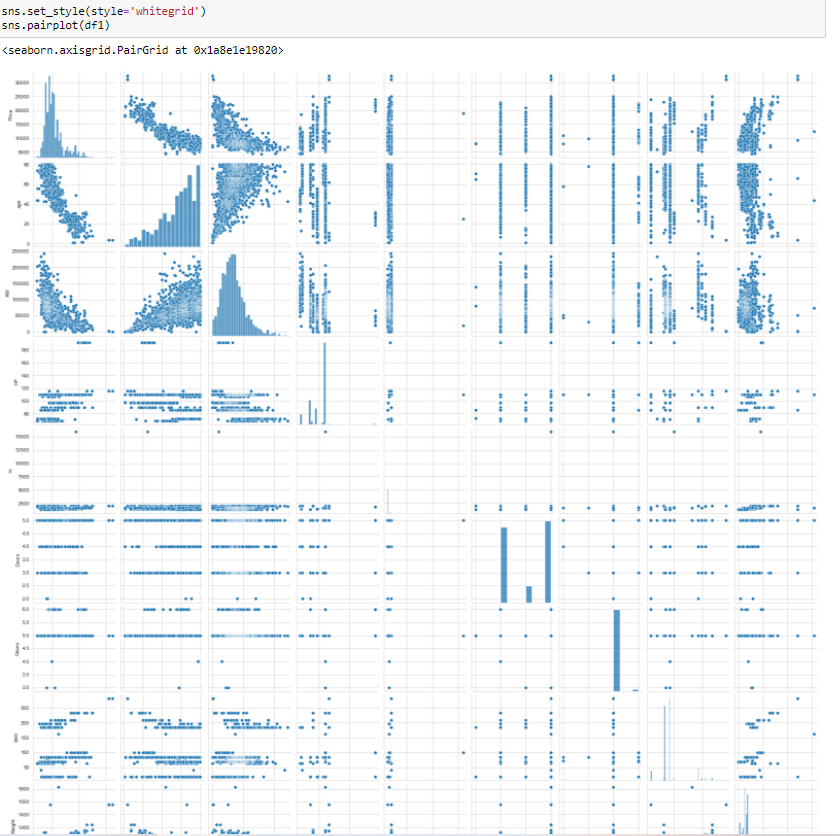
**Consider only the below columns and prepare a prediction model for predicting Price.**

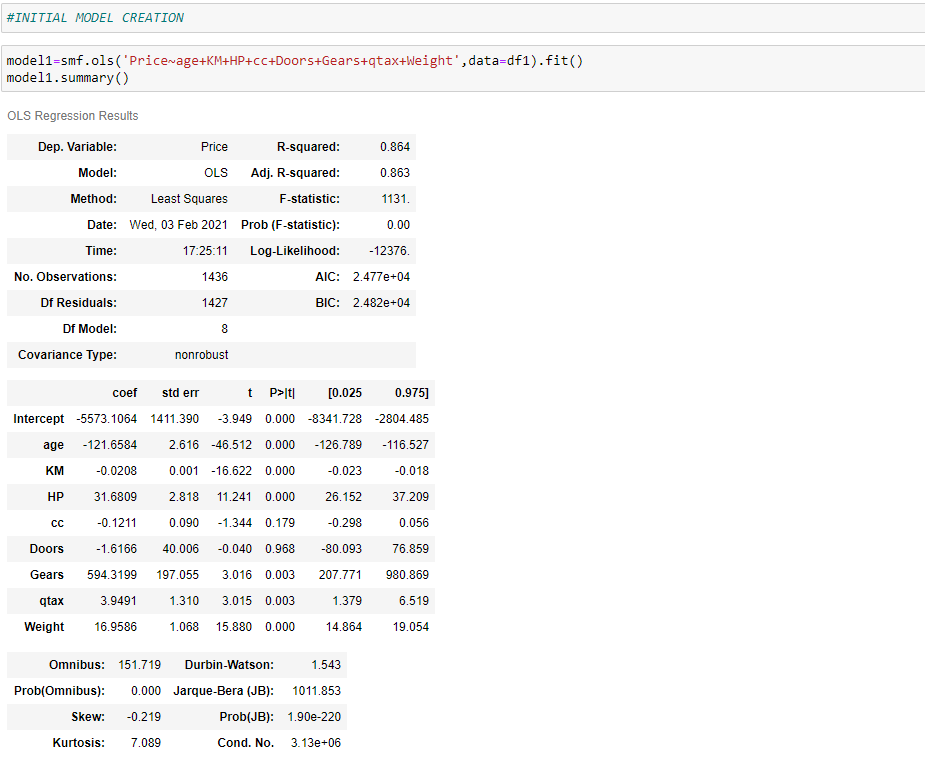
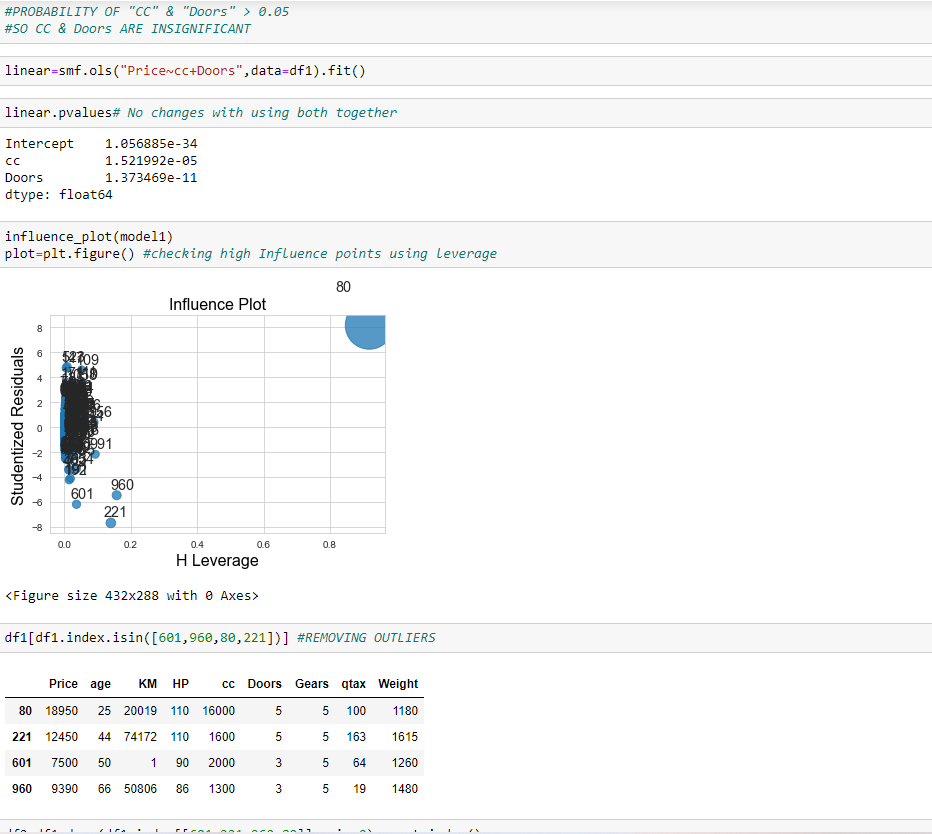
**Corolla<-Corolla[c("Price","Age\_08\_04","KM","HP","cc","Doors","Gears","Quarterly\_Tax","Weight")]**

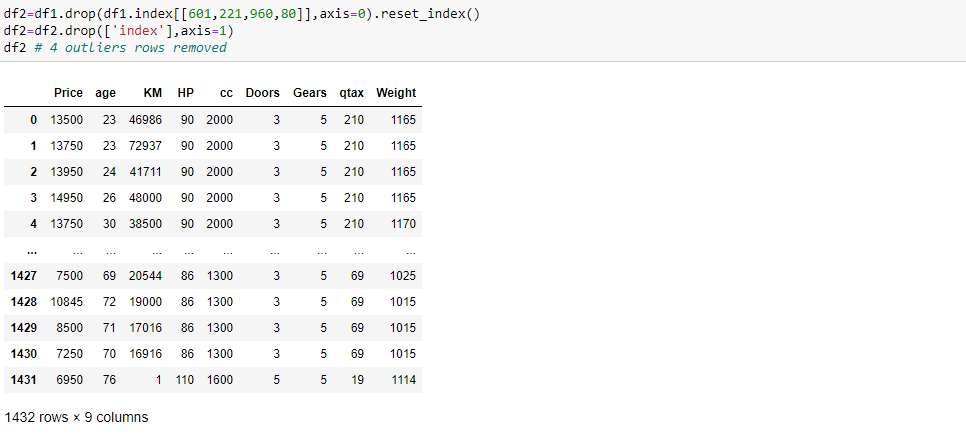
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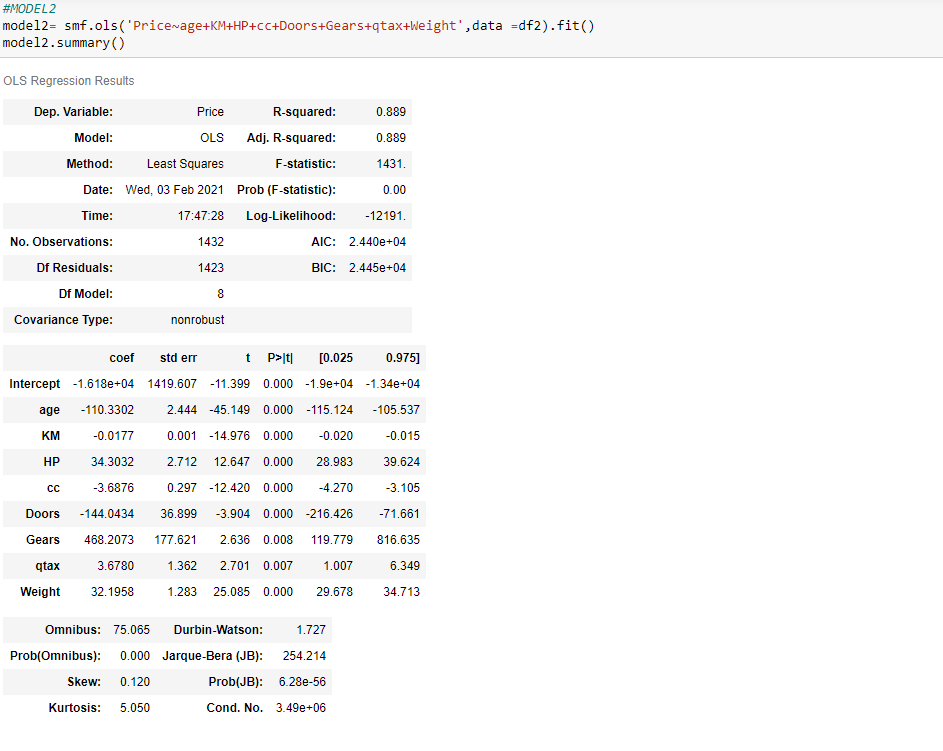
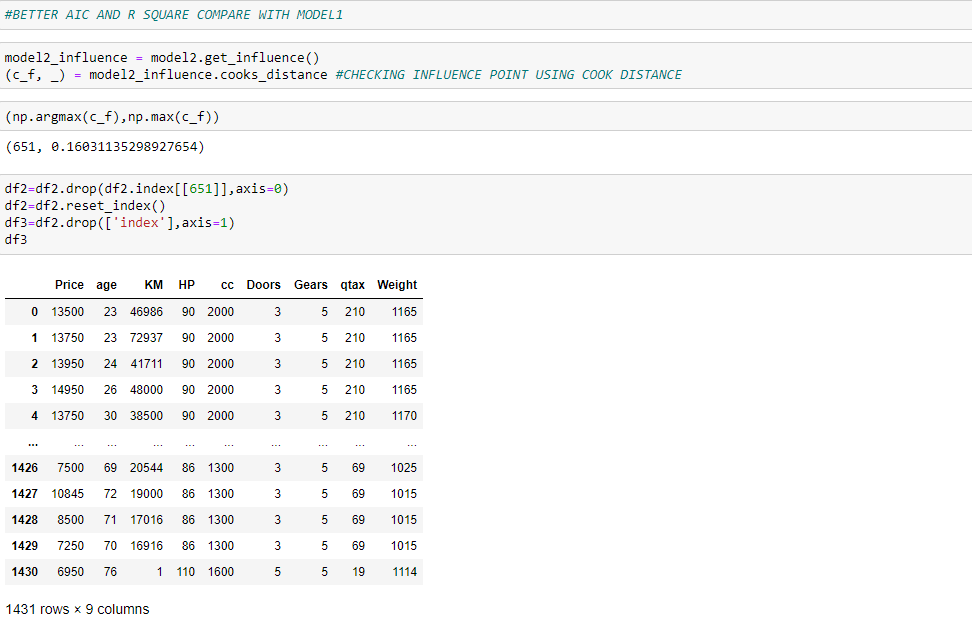
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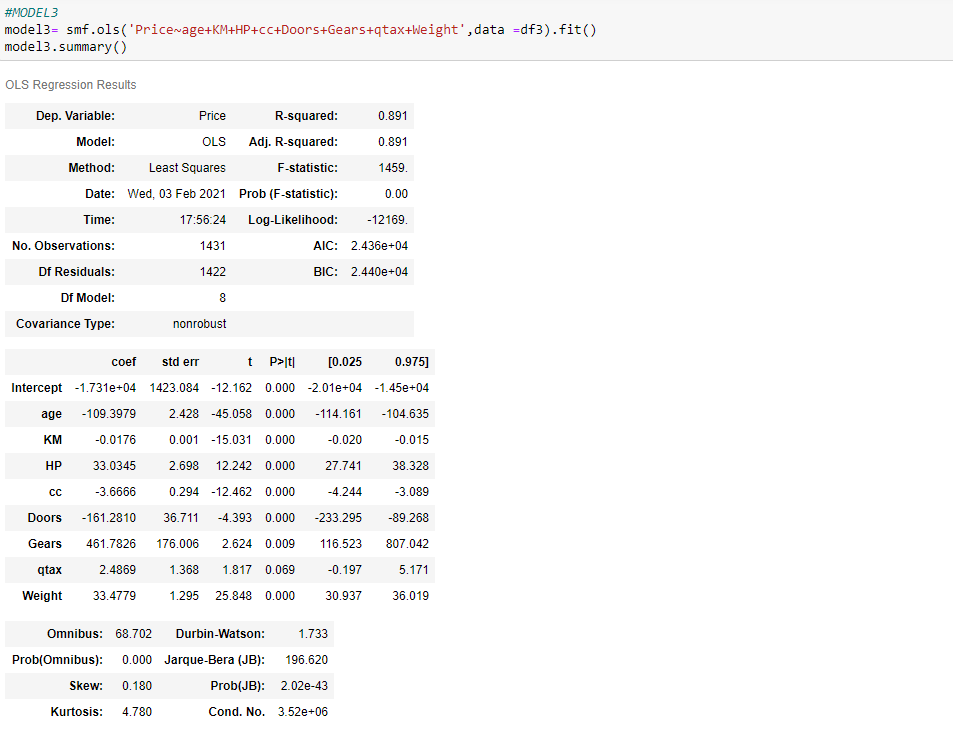
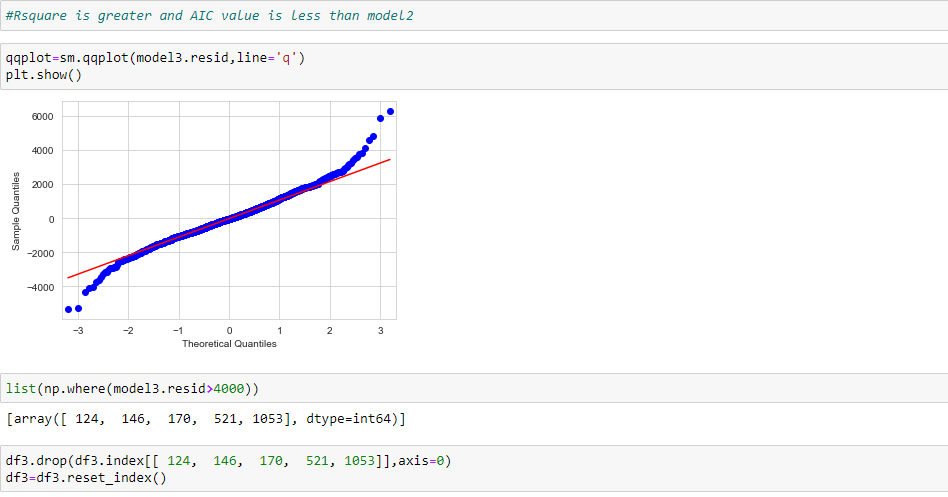
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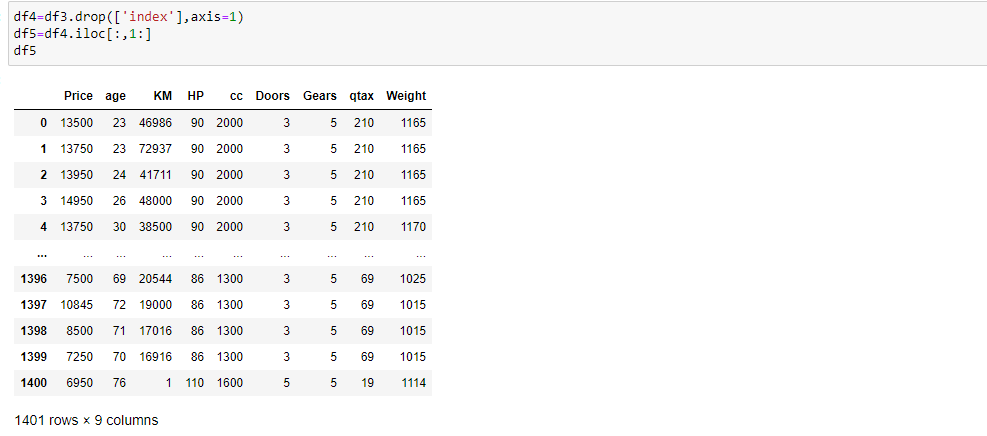
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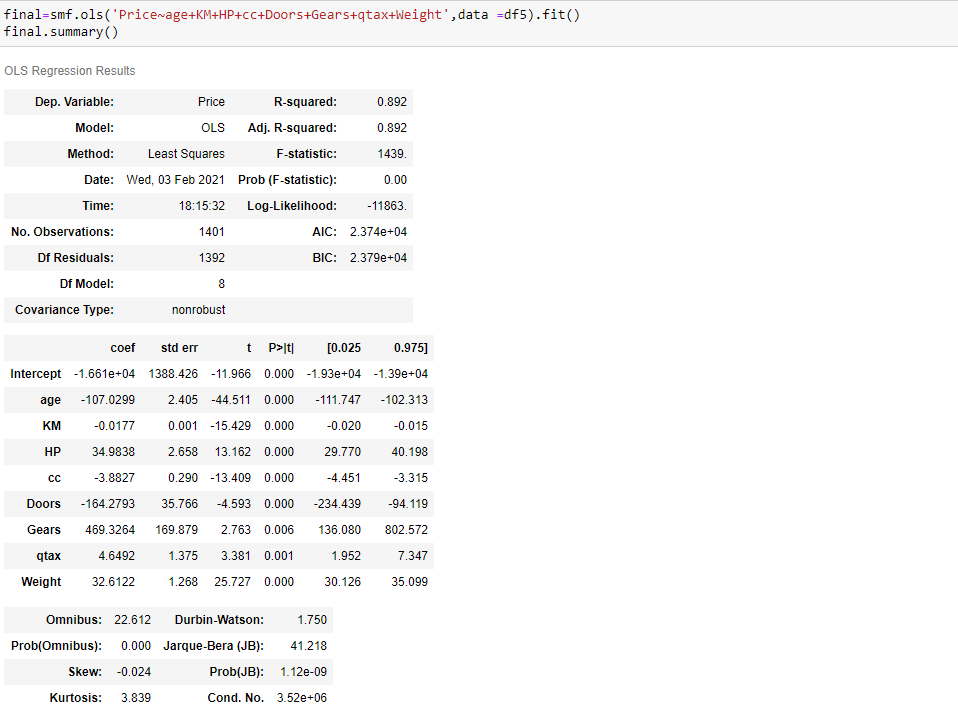
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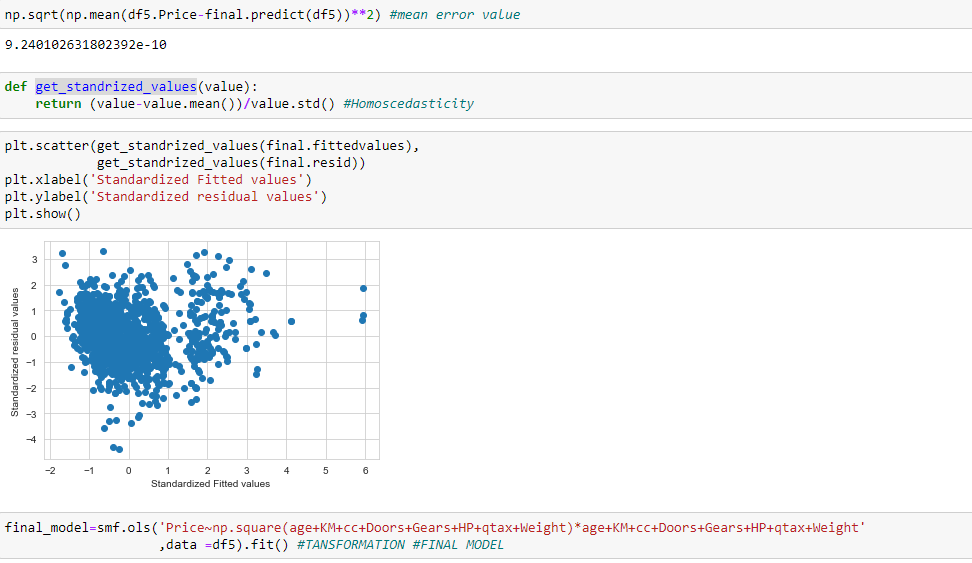
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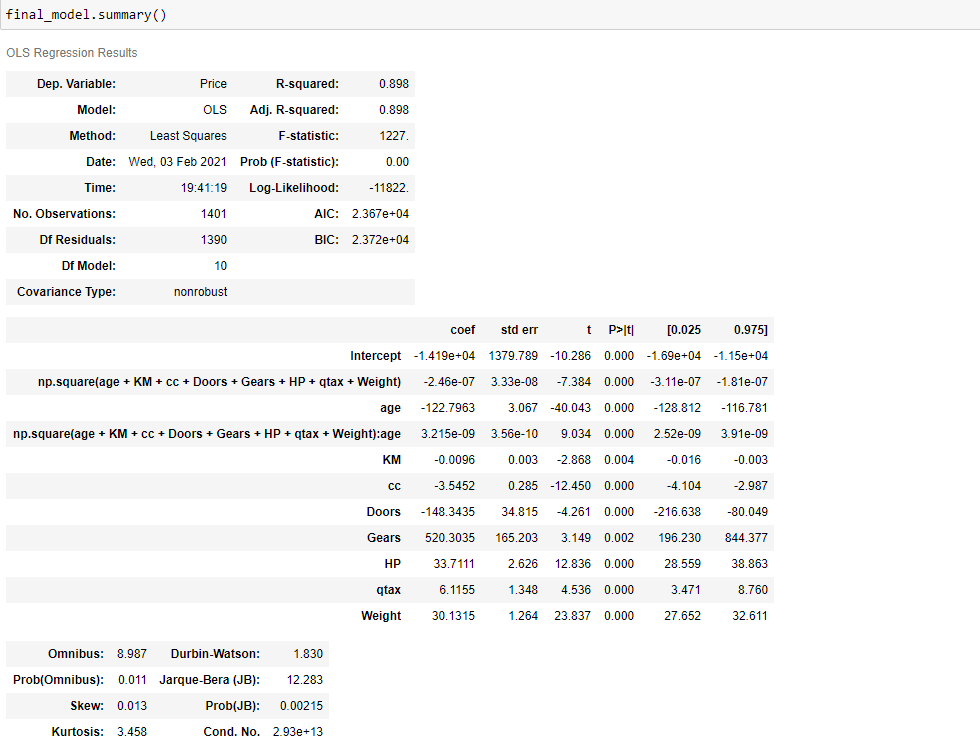
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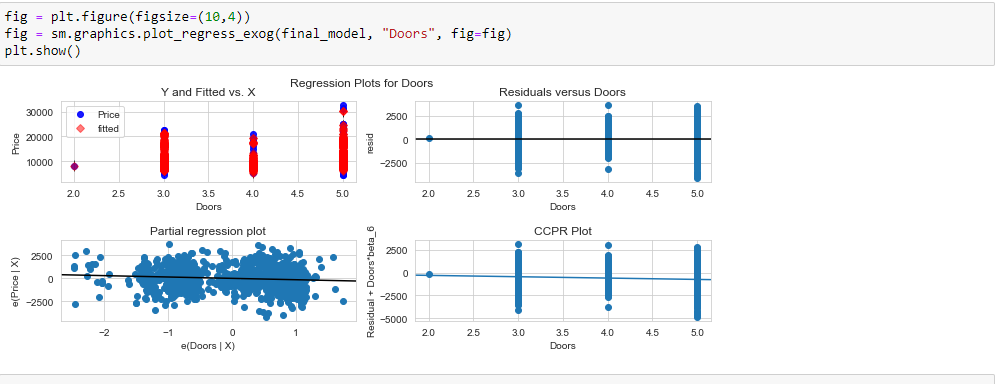
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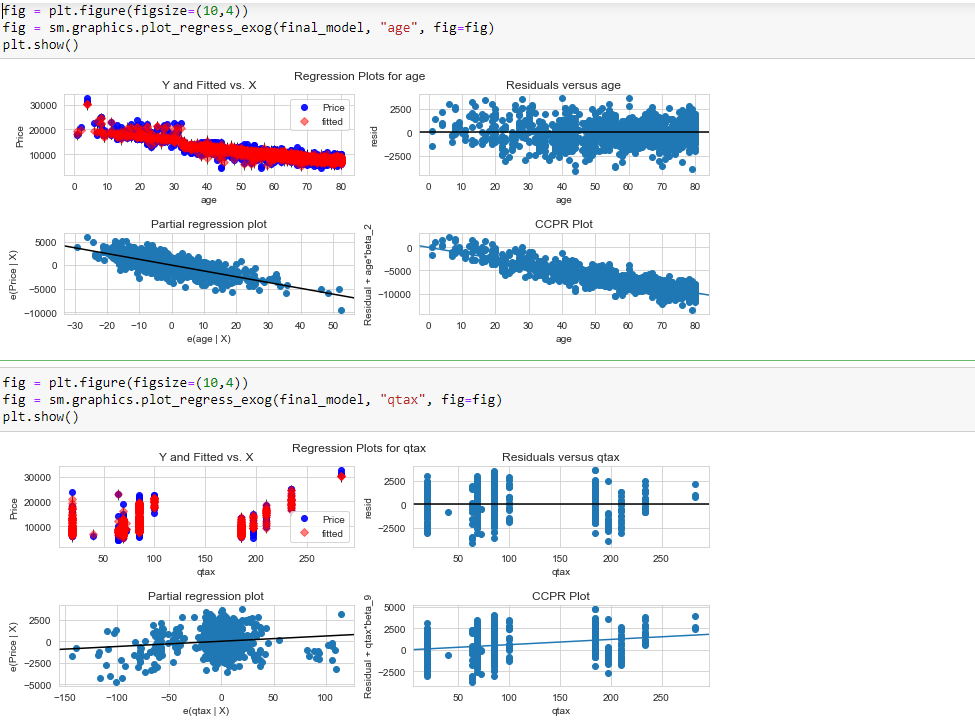
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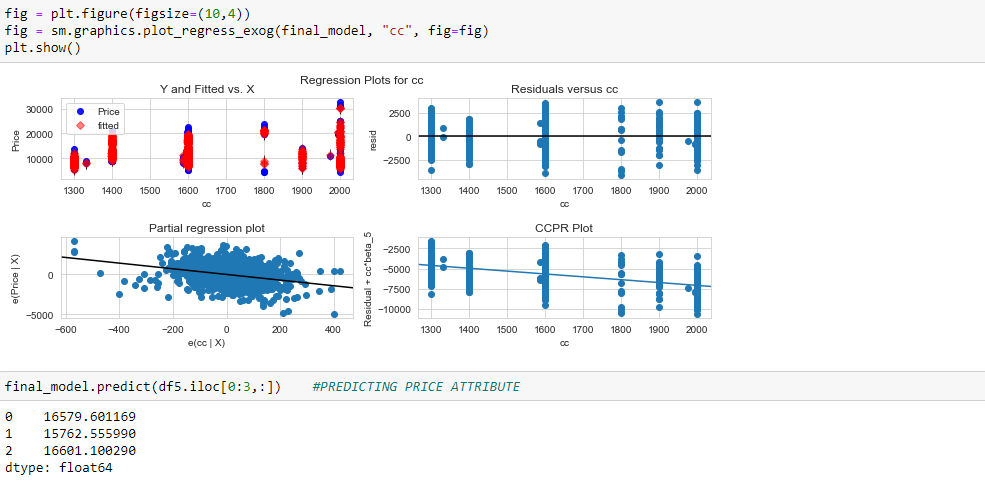
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