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Assignment #2

Exercise #3:

1. III is correct. The starting salary for males is higher than for females on average if 50 + 20\*GPA ≥ 85 + 10.
2. 50 + 20 \* 4 + 0.07 \* 110 + 35 \* 1 + 0.01 \* 4 \* 110 – 10 \* 4 \* 1

= 137.1

1. False. We aren’t given the error between GPA & IQ so we cannot be sure whether it’s significant.

Exercise #4:

1. The polynomial regression would have a lower training RSS rather than the linear regression because it could make a better fit.
2. The polynomial regression would have a better test RSS since the over trained model would have greater error.
3. The polynomial regression would have the lower training RSS because its high flexibility.
4. We can’t really tell since we don’t have a visual/graph or statement to tell how linear the graph is. So it depends, if its linear, the linear regression test RSS would be lower but if its cubic then the polynomial test RSS would be lower.

13)

Graphical user interface, text, application, email, Teams

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Exercise #3)

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Chart, line chart

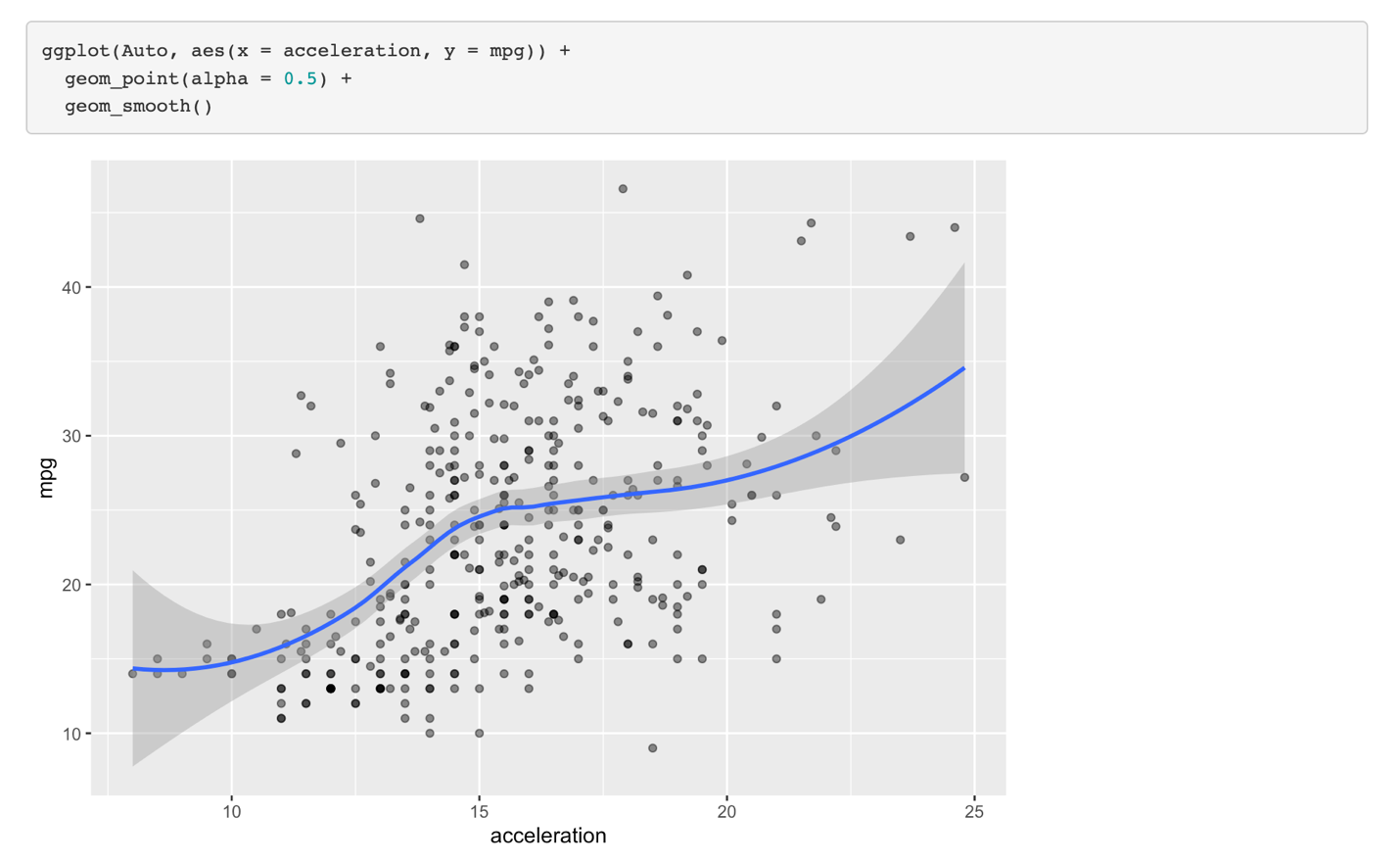
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Exercise 8)Table

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