Exploring the bias-variance tradeoff

4 questions

<table>
<tr><td>1
point</td></tr>
</table>

1.

Is the sign (positive or negative) for power_15 the same in all four models?

○ Yes, it is the same in all four models

◉ No, it is not the same in all four models

<table>
<tr><td>1
point</td></tr>
</table>

2.

The plotted fitted lines all look the same in all four plots

◉ True

○ False

<table>
<tr><td>1
point</td></tr>
</table>

3. **Which degree (1, 2, ..., 15) had the lowest RSS on Validation data?**

6

<table>
<tr><td>1
point</td></tr>
</table>

4.

What is the RSS on TEST data for the model with the degree selected from Validation data? (Make sure you got the correct degree from the previous question)

○ Between 1.2e+14 and 1.3e+14

○ Between 1.7e+14 and 1.8e+14

○ Between 3.4e+13 and 3.5e+13

○ Between 5.6e+15 and 5.7e+17

Submit Quiz