Figure 1: Hyperparameter Selection on Fixed Validation Set

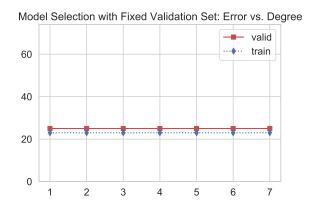


Figure 1: A good professional caption goes here. Describe figure contents. Describe main takeaway.

1a: Which degree would you select? Would others give similar performance?

Based on Figure 1, I would recommend degree because
Regarding similar performance, I would say was observed.

1b: When does training error approach zero? Why?

The training error drops to zero at degree because

We understand this is true because . That's all folks.

1c: Why is preprocessing necessary?

For this dataset, preprocessing is necessary because Without preprocessing,
This is because
That is my answer.

1d: Inspect weights and intercept for model with degree 6

We notice that the weights have value like and the intercept has values like

These values occur because . That is my answer.