Name	Date

LAB 4C: Cross-Validation Response Sheet

Directions: Record your responses to the lab questions in the spaces provided.

What is cross-validation?

Step 1: train-test split

• Explain these lines of code and describe the training and test datasets.

Aside: set.seed

Aside: training-test ratio Step 2: training the model Step 3: test the model

Recap

Why cross-validate? **Example of overfitting**

- Which model does a better job of predicting the 7 training points?
- Which model do you think will do a better job of predicting the rest of the data?

Example of overfitting, continued

Which model does a better job of generalizing to the rest of the arm_span dataset?