

ECE542 – Homework 1

In lecture, we showed how to fit a polynomial model to the data. Complete the attached Jupyter notebook by: (1) identifying an optimal degree for the polynomial using the validation set; (2) fit the model (with selected degree) using the training and validation data and print the training and test errors; and (3) plot the polynomial function that was fitted.

Turn in a PDF version of your notebook with the complete code and corresponding outputs. Make sure to look at the rubric in Google CourseKit for details on grading.