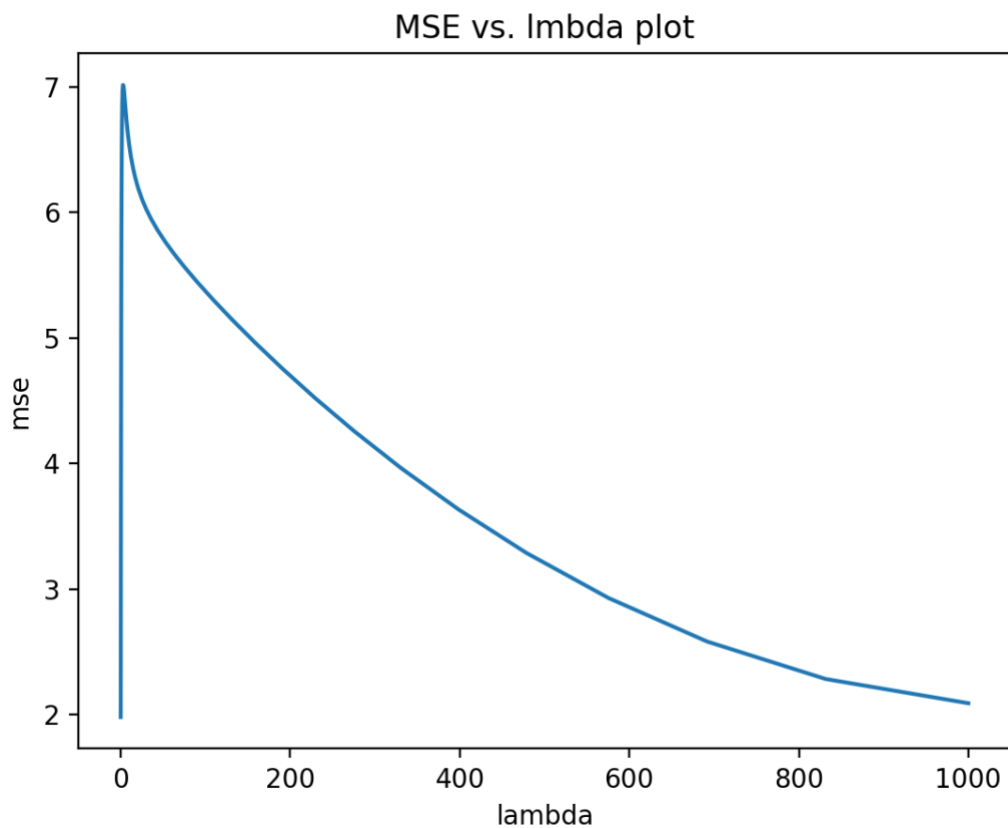


Name: Brad ByungJun Jeon
Github Username: jeon52
Purdue Username: 0029124935
Instructor: Professor Qiu
Problem2_Writeup

Finding Best Lambda:



Best lambda tested is 0.1, which yields an MSE of 1.9815144074958166

Equation for the best fitted model:

$$Y(x) = -4.33992630e-01x^6 + 8.16204762e-01x^5 + 5.19495066e-01x^4 + 3.83342192x^3 + 2.11359089e-01x^2 + 4.53719310e-04x + 2.561764534953689$$

