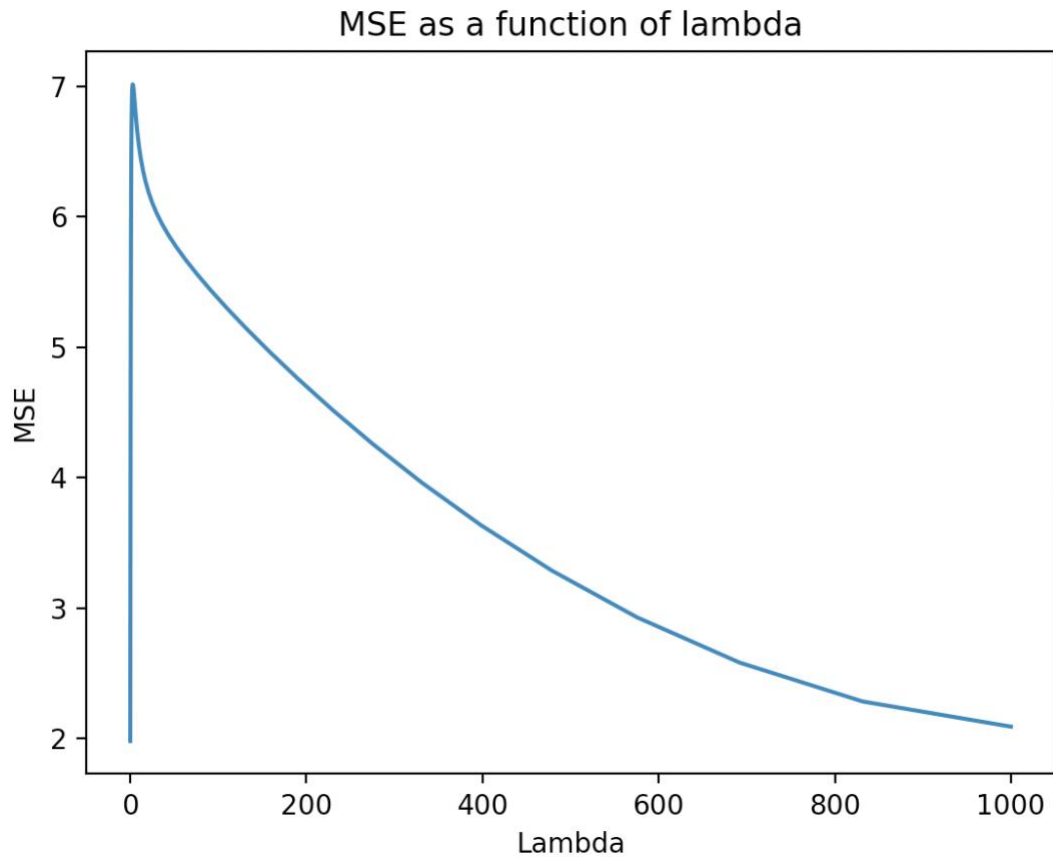


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Problem2_writeup

Finding Best Lambda:



Based on the range of Lambda values tested, the best lambda value is 0.1, which yields a MSE of 1.982 as shown on the plot above.

Equation of best-fitted model:

$$\hat{y}(x) = -0.434 x_1 + 0.816 x_2 + 0.519 x_3 + 3.833 x_4 + 0.211 x_5 + (4.54 * 10^{-4}) x_6 + 2.56$$

