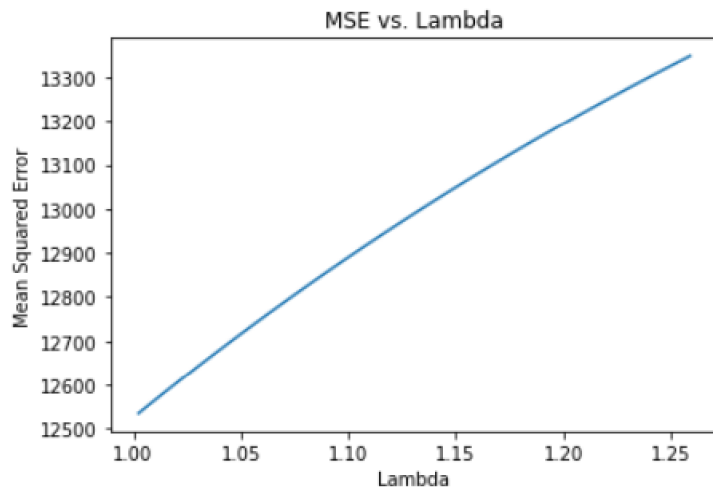


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Problem 2 Write Up

Finding Best Lambda:



Based in the range of Lambda values tested, the best lambda value is 1.0023052380778996, which yields an MSE of 12534.914383590798 as shown on the plot above.

Equation of best fitted model:

$$\hat{y}(x) = -0.44146747x + 0.91849539x + 0.92571635x + 1.51083014x + 1.75152557x \\ + -1.33534762x + 2.580588055718408$$

Prediction plot of Google data:

