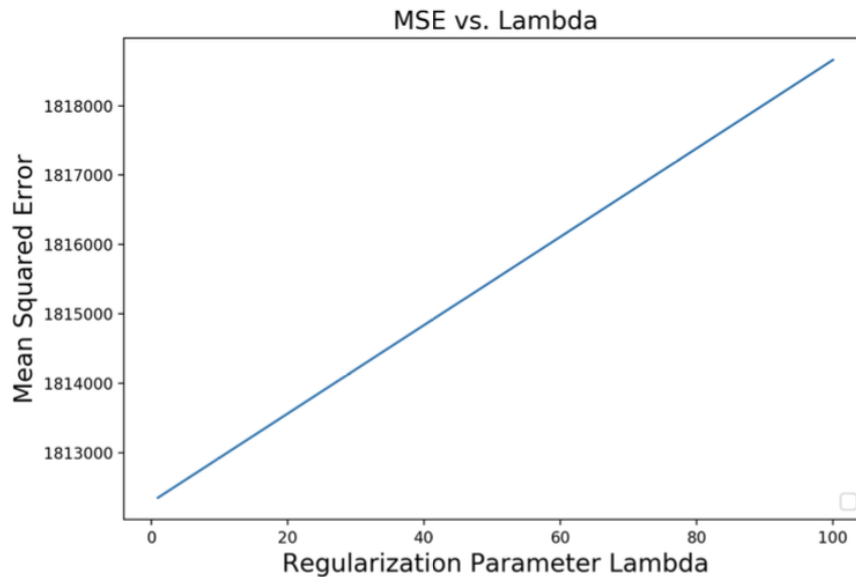Jane Doe   *(write your full name)*
GitHub Username: doejane   *(your GitHub username)*
PUID: doe39   *(your PUID)*
Instructor: Brinton/ Qiu   *(write your instructor only)*
problem2_writeup   *(assignment name)*

<u>Finding Best Lambda:</u>   *(insert plot obtained by completing the main function)*

(insert numerical values for c and d)

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

<u>Equation of best fitted model:</u>

(insert numerical values for a_i's and b)

$$\hat{y}(x) = a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5 + a_6x_6 + a_7x_7 + a_8x_8 + a_9x_9 + b$$

(insert number value for $abc.ef)

The predicted price for a 0.25 carrot, 3 cut, 3 color, 5 clarity, 60 depth, 55 table, 4 x, 3 y 2 z diamond is $abc.ef, which was determined by *[insert explanation]*.