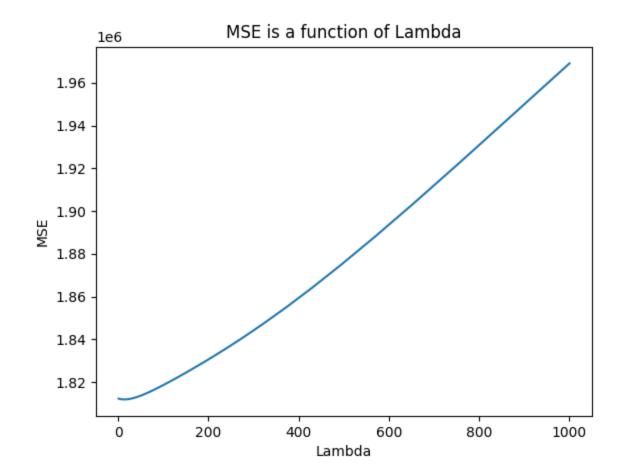
Name : Temirlan Karataev

GitHub Username: tema014

Purdue Username: 031957685

Instructor: Qiu

problem2_writeup¶



Based on the range of Lambda values tested, the best lambda value is 14.563484775012437, which yields an MSE of 1811977.1732371862

Equation of the best fitted model:

y(x) = 5112.15519761x1 - 200.98248228x2 - 207.14794325x3 - 1330.75810931x4 + 217.69361706x5 - 69.0190039x6 + 500.94160313x7 + 74.33788618x8 - 458.97374368x9 + 3928.07687554

The predicted price for 0.25 carrot, 3 cut, 3 color, 5 clarity, 60 depth, 55 table, 4x ,3y, 2z diamond is 9721.45571303942, which was determined by MSE and predicted values.¶

In []: