

Heatmap illustrating the Mean square error (MSE) as a function of the Complexity of model (the degree of the polynomial). The x-axis represents the Complexity of model (the degree of the polynomial), ranging from 1.0 to 10.0. The y-axis represents the Mean square error, ranging from 0.016 to 0.048. The color scale indicates the MSE, with darker blue representing higher error and lighter yellow representing lower error. The error generally decreases as model complexity increases, with a notable dip around complexity 8.0.

