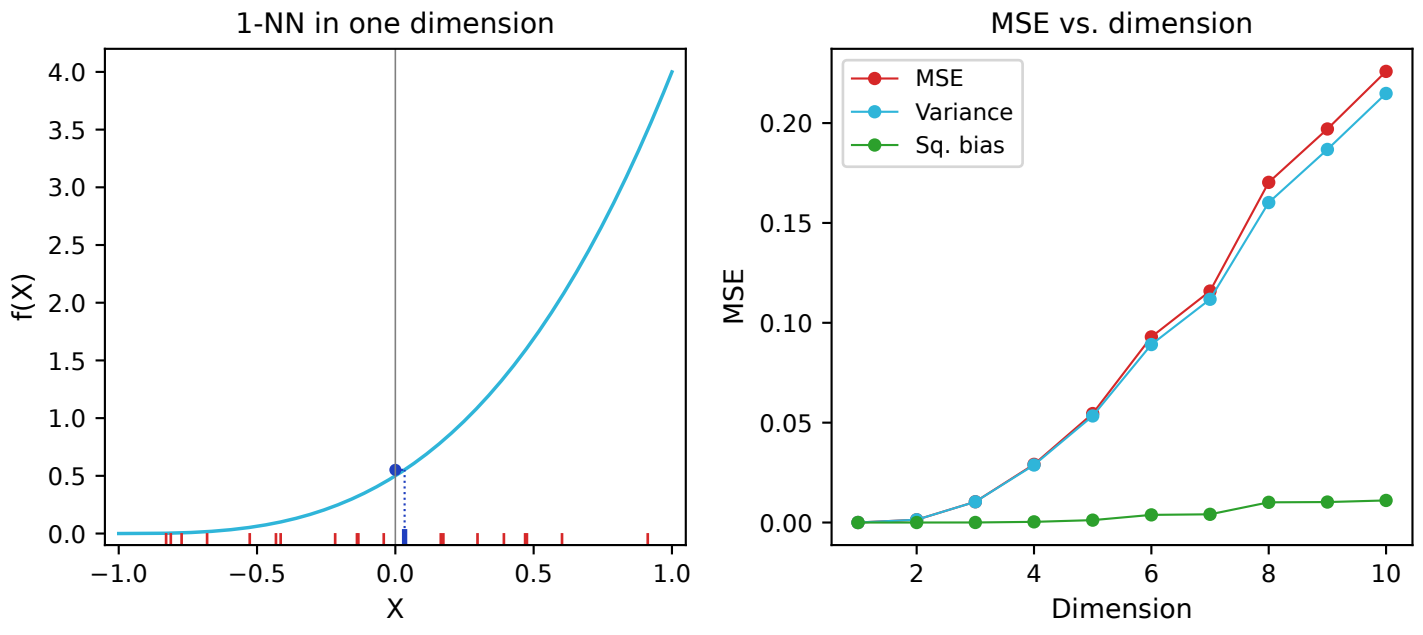

1-NN in one dimension
f(X)
X
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
1.0
MSE vs. dimension
MSE
Dimension
MSE
Variance
Sq. bias
0.20
0.15
0.10
0.05
0.00
2
4
6
8
10