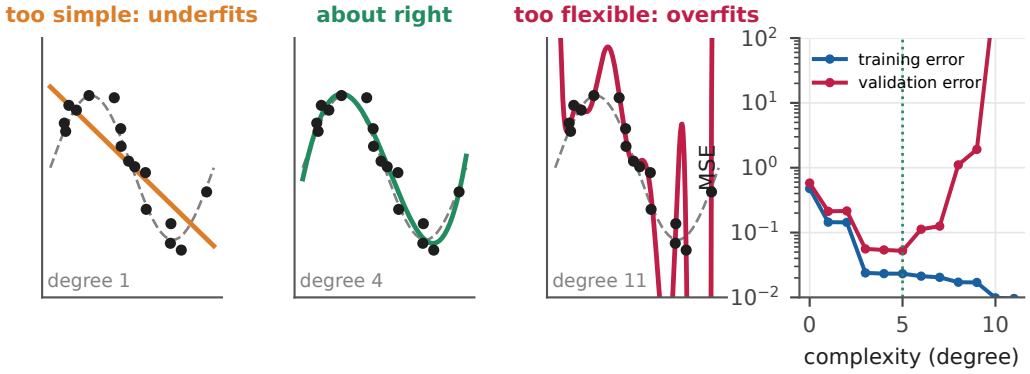

too simple: underfits
about right
too flexible: overfits
degree 1
degree 4
degree 11
MSE
10^2
10^1
10^0
10^{-1}
10^{-2}
training error
validation error
0
5
10
complexity (degree)