Generalization error at optimal regularisation
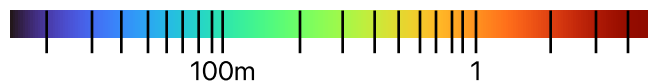
The plot show the generalisation error at optimally chosen regularization parameter λ∈[1e-5, 1e5] during the NN gradient descent (initialization emphasized) and for ridge regression (dashed).