## Basic ML Key Words

underfitting = error due to bins (high bins)
over fitting = error due to variounce (high variance)

indicator = { test error : large -> over fit train erron : tiny

- train epoch or other mensures

model complexity graph

I we do GD until the testing error is decreasing. Once it starts to increase, we stop GD. -> Early Stopping

Batch Gradient Descent - for all the data

Stochastic Gradient Descent - make small batches of data

Learning Rate Decay:

rule of thumb: if the model is not working in crease the rate.