Basic ML Keywords

- Underfitting = error due to bias (high bias)
- Overfitting = error due to variance (high variance)

Indicator:
- Test error: large → Overfit
- Train error: tiny

Model complexity graph:

- Train
- Test

Epoch or other measures

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.