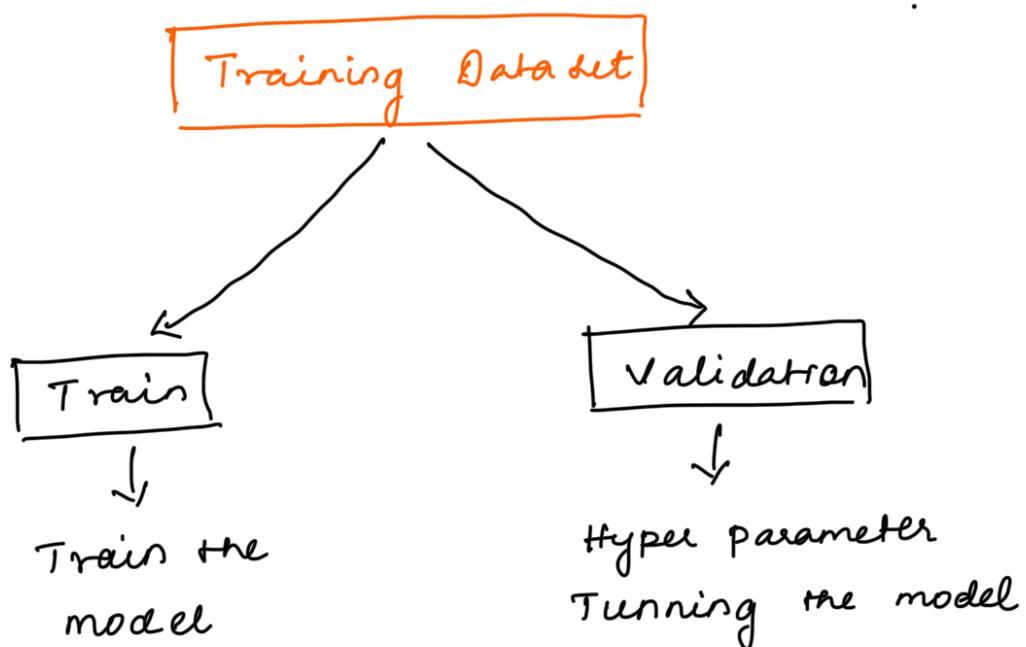
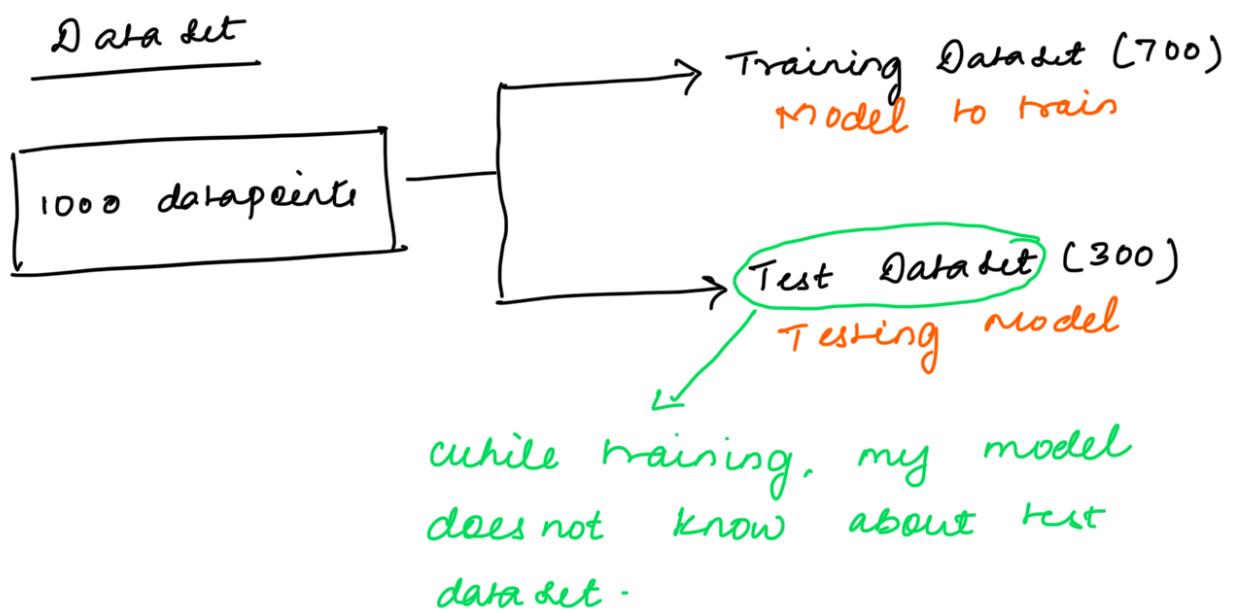


Overfitting And Underfitting (Bias and Variance)

- ① Training data set
- ② Test data set
- ③ Validation dataset



TRAIN → Very good accuracy [low Bias]

TEST \rightarrow very good accuracy [low variance]
 \uparrow
Generalized Model

There is a case,

TRAIN \rightarrow very good accuracy (90%) [low Bias]
TEST \rightarrow Bad accuracy (50%) [high variance]
 \downarrow ,
model is overfitting

TRAIN \rightarrow Model accuracy is low [high Bias]
TEST \rightarrow Model accuracy is low [high variance]
 \downarrow ,
model is underfitting

