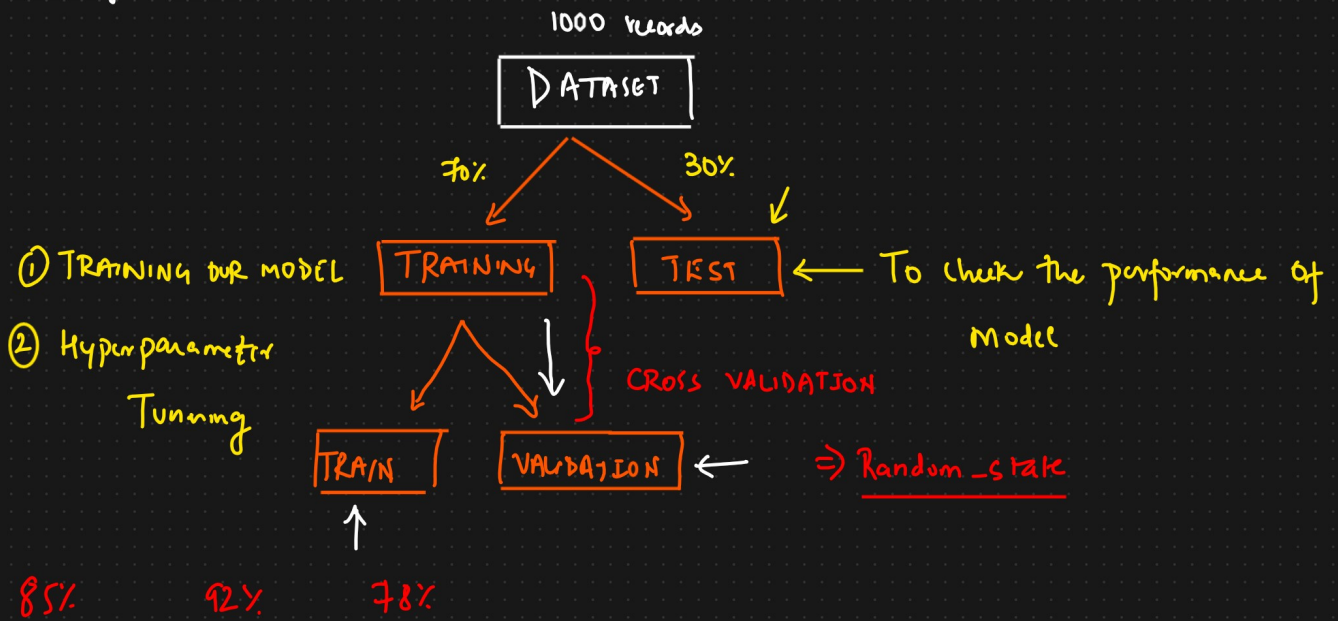
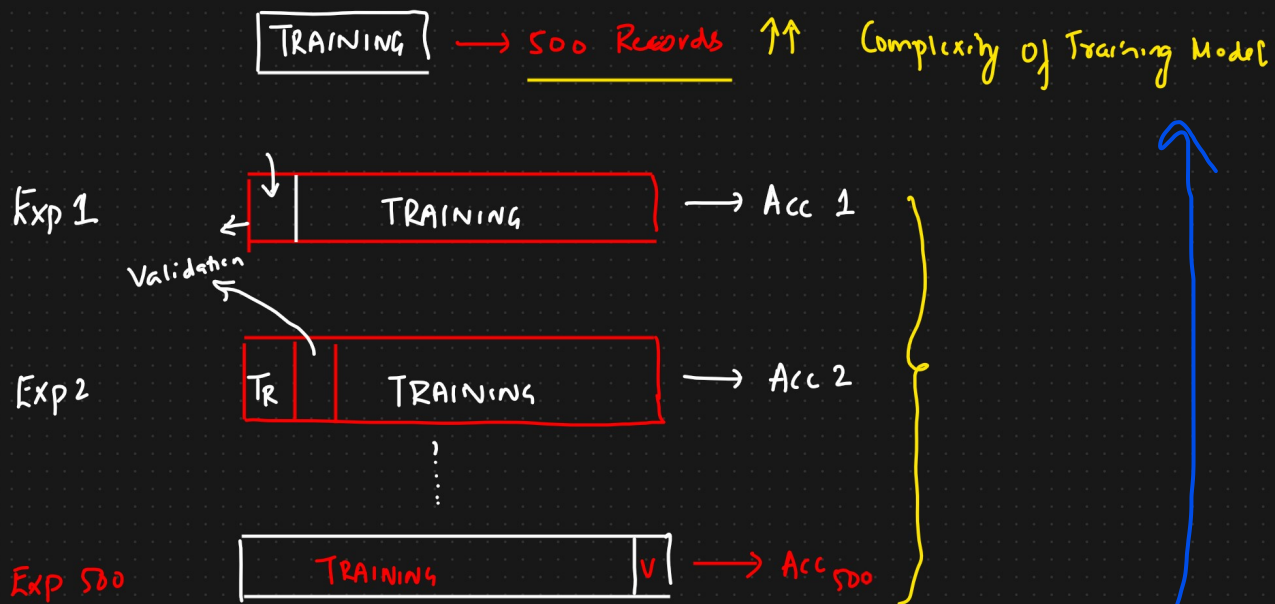


Types of CROSS VALIDATION



- ① leave One Out CV (LOOCV) ② leave p out CV
- cross-validation
- one at a time
- $P=10 \quad P=20 \quad P=30$



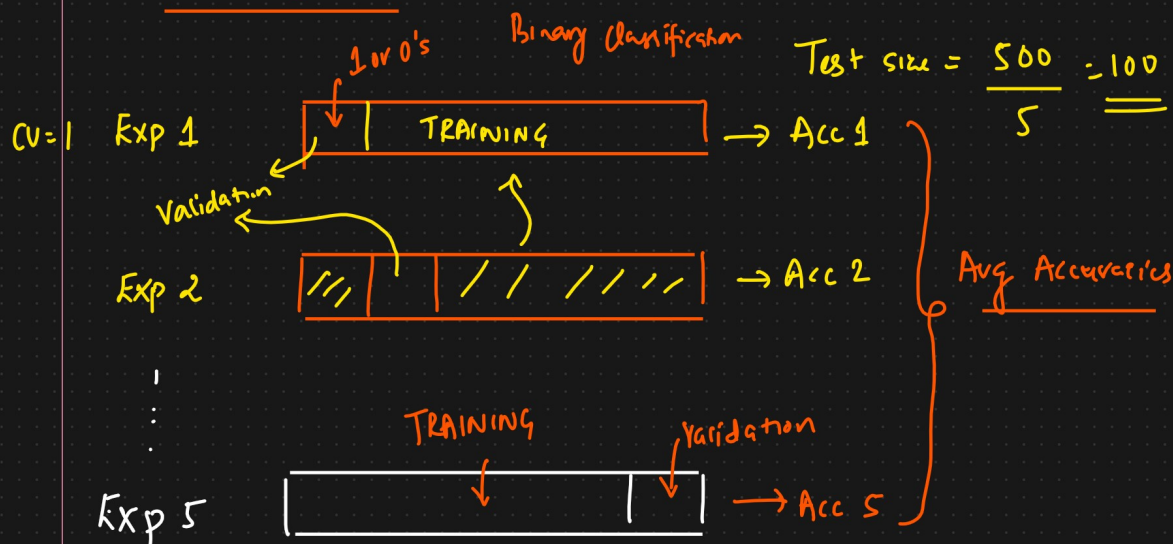
disadvantage

- ① Overfitting → **TRAINING** ↑↑ Acc → New Test Data → Acc ↓↓
- Validation Acc ↓↓

③ K Fold CV

$K=5$

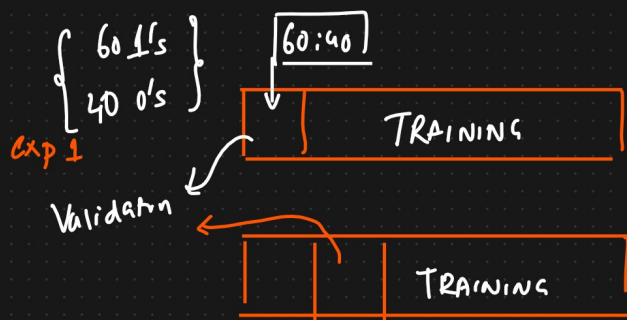
$n=500$



④ Stratified K Fold CV

do copilot

$K=5$



Test size = $\frac{500}{5} = 100$

↓

Validation Data

⑤ Time Series CV

Reviews

Product Sentiment Analysis

Time

JAN → DEC

TRAINING

Validation

DAY 1 DAY 2 DAY 3 DAY 4 | - - - DAY N

Time Series Application