

MSEn = (yn-yn) Erwin

 $CV_n = \frac{1}{n} \sum_{i=1}^n MSE_i$

Cons: The models are trained on almost

· Computationally expensive

Pros: No randomness

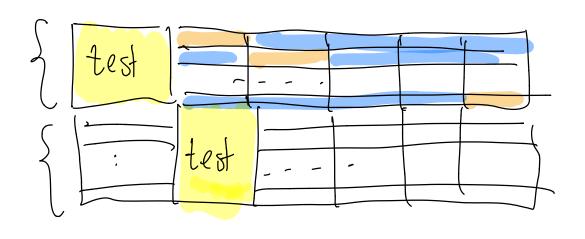
3) k-fold CV For example k=5

1
$$n_1$$
 $MSE_1 = \frac{1}{2}(y_1 \cdot y_1^2)$
2 n_2 iec
3 i
4 i
5 n_k $MSE_3 = \frac{1}{2}(y_1 \cdot y_1^2)$

$$C_1 = \text{indices in fold } \Lambda$$

$$CV_S = \frac{1}{n} \sum_{j=1}^{\infty} n_j MSE_j$$

$$= \frac{1}{3} \sum_{j=1}^{\infty} MSE_j$$
if $n_1 = -1 = n_5$



(5

