



**Leave-One-Out Cross Validation (LOOCV)**

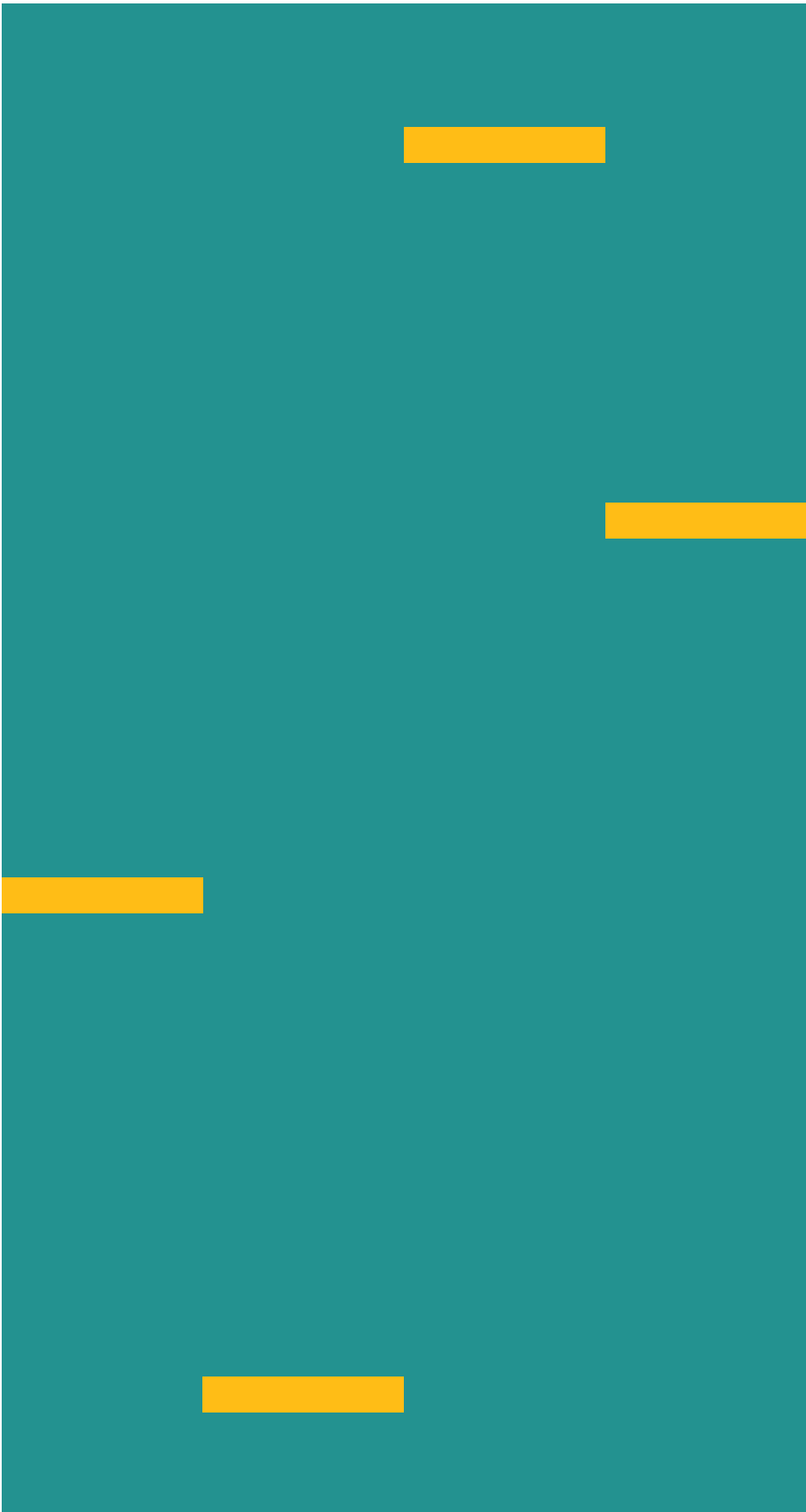
**cross validation simulates multiple train-test splits on the training data**

*K*-fold where every single data point is its own fold

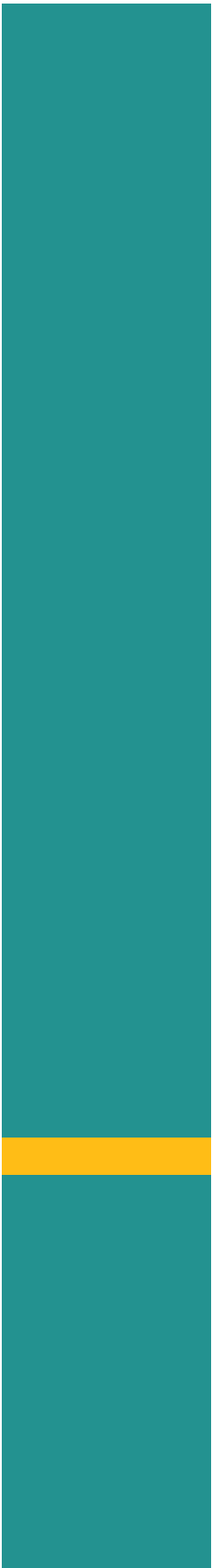
$$K = n$$

data

 train  
 test



...



# Leave-One-Out Cross Validation (LOOCV)

cross validation **simulates multiple train-test-splits** on the training data

$K$ -fold where every single data point is its own fold  
 $K = n$



# K-fold Cross Validation vs. LOOCV