



# **CIS 678 Machine Learning**

Model Selection through Cross Validation (CV)



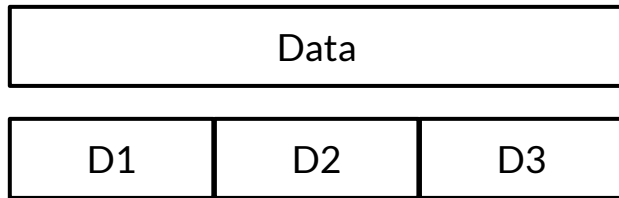
# K-fold-cross validation



3-fold-cv



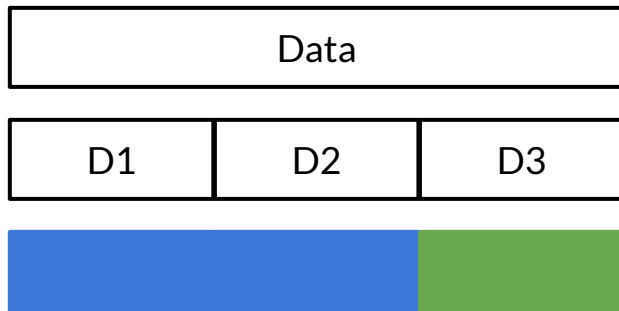
## K-fold-cross validation



3-fold-cv



## K-fold-cross validation



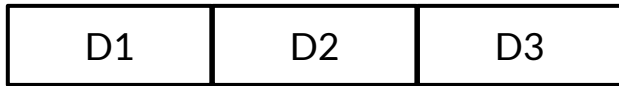
3-fold-cv

Train

Test



## K-fold-cross validation



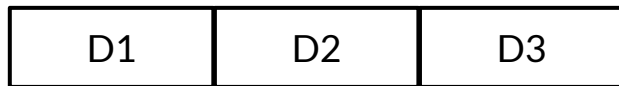
3-fold-cv

Train

Test



## K-fold-cross validation



3-fold-cv



Train



Test



# Data/feature normalization

- Min-max scaler
- Standard scaler



# Notebook presentation

[LR: CV](#)