

# K-fold cross validation

## K-Fold Cross-Validation

In K-Fold Cross Validation, we split the dataset into “K” number of **folds** (subsets). One chunk of data is used as test data for evaluation & the remaining part of the data is used for training the model. Each time, a different chunk will be used as the test data.

<b>K = 5</b>	<b>Dataset</b>				
Iteration 1	Train	Train	Train	Train	Test
Iteration 2	Train	Train	Train	Test	Train
Iteration 3	Train	Train	Test	Train	Train
Iteration 4	Train	Test	Train	Train	Train
Iteration 5	Test	Train	Train	Train	Train

This is mainly used for model selection.