



# K- Fold Cross Validation

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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.



After getting all the accuracy score, average it and that will be our final accuracy score.

Also we get to train our model with different chunks of data.

## Advantages:

1. Better alternative for train\_test\_split when the dataset is small
2. Better for multiclass classification problem.
3. More reliable
4. Useful for model selection.