**Cross Validation**

* Typically used when the amount of data available is limited to evaluate the performance of a model.
* Available data is typically split into training and testing data. In cross validation, available data is split into “Folds”, for example, 5 folds, each containing a 5th of the available data.
* The model is then trained on the remaining data and tested with the folds, 5 times, until each fold has been tested.

A screenshot of a computer game

Description automatically generated

* The average of all models is then taken to get an overall score of the model.
* Again, this is used to evaluate models that have a small amount of data. It is not really used for building models.