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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Machine Learning Algorithm Jesting Data Set Validation Testing set Training Model eraluati Model perelopment It's necessary if you care about the quality of the model. ML testing has a Couple of Pecularities, It demands that you test the quality of the data, not just the model, and go through a Couple of iteration adjusting the hyperparameters to get the best results. Validation set Having only a training Set and a testing se is not lenough it you do many rounds of hyper-Parameter tuning and can result in overfitting. To avoid that you can select a Small Validation data set to evaluate a model.



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Test set In order to assure that you delect Samples -for testing Set from training set - Enamples That the machine hasn't seen before. It's important to remain unbiased during selection and draw Samples at random. Your test set should be large enough to provide Statistically meaning for results and be representation of the data set a whole. Cross Validation is a model evaluation technique Cross Validation that can be performed even a limited dataset. The training set is divided into Small subsets, and the model is trained and validated on each of these samples. It's a set of rows and coloumns in an organized way Codman 2 Coloumn 3 Table Columni Value 3 Value 2 Rowi Value 1 Value 3 Row2 Value 1 Value 2 Value 3 Value 2 Rows Value 1



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-Nowa days the dataset is highly unstructured Cimages, videos, text, etc.) We must transform them into an organized Way that MC can understand at proposition (allow) the standard and a stand