



Introduction to Machine Learning

What is Machine Learning? (...the short version)

Machine learning is about using some properties of a dataset to make assumptions and then testing those assumptions against another data set to see if they are true and/or how well they work.



MATH Gang

Types of Machine Learning

- Supervised learning, in which the data comes with additional attributes that we want to predict This problem can be either:
 - Classification: samples belong to two or more classes and we want to learn from already labeled data how to predict the class of unlabeled data.
 - Regression, the desired output consists of one or more continuous variables, then the task is called regression.
- **Unsupervised learning**, the training data consists of a set of input vectors x without any corresponding target values. The goal in such problems may be to discover groups of similar examples.



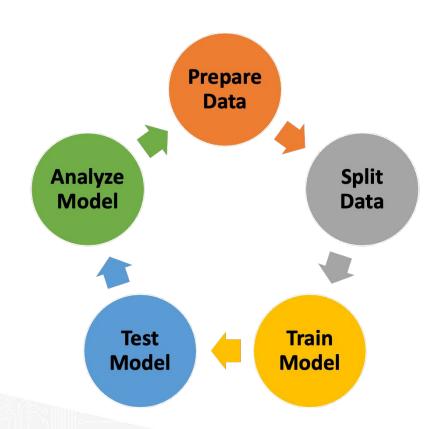
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Ref: https://scikit-learn.org/stable/tutorial/basic/tutorial.html

How does it work?





Demo Time!



