

Observation

They Form the base for that Training, Testing, evaluating Machine learning models

- **Supervised Learning** Each observation is $(X, Y) = \{(x_1, y_1), (x_2, y_2) \dots (x_n, y_n)\}$ --> Feature + Label([Response](#))
 - **Unsupervised Learning** Observation is just a Feature X no Label
 - **Types of Observations**
 - Test sets
 - Validation sets
 - Training data
 - Unlabeled data (Unsupervised Learning)
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tags : [#machine-learning](#) [#stats](#)