

Supervised Learning

Supervised Learning Types

- Regression
- Classification

Regression

- Problem examples:
 - House price
 - Salary
- Algorithms examples:
 - Simple Linear Regression
 - Multiple Linear Regression
 - Polynomial Linear Regression
 - Support Vector Regression (SVR)
 - Decision Tree Regression
 - Random Forest Regression

Classification

- Problem examples:
 - Titanic
 - Email
- Algorithms examples:
 - Logistic Regression
 - k-NN
 - Support Vector Machine (SVM)
 - Kernel SVM
 - Naïve Bayes
 - Decision Tree Classification
 - Random Forest Classification

Supervised Learning pipeline

- Data Acquisition
 - Data Cleaning
 - Test Data
 - Model Training & Building
 - Model Testing
 - Model Deployment