

Building Common Machine Learning Solutions



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Overview

Building and evaluating regression models - analytically and using ML

Building and evaluating classification models

Performing clustering using the k-means clustering algorithm

Performing dimensionality reduction on linear data

Using manifold learning to perform dimensionality reduction on non-linear data

Demo

**Exploring the tools and environment
for demos**

Demo

**Performing regression using analytical
and machine learning techniques**

Demo

**Performing classification using
Logistic Regression and Decision Trees**

**Evaluate classification models using
accuracy, precision, recall**

Demo

Performing clustering using K-means

**Evaluate the clustering model using
the silhouette score**

Demo

**Performing dimensionality reduction
on linear data using Principal
Components Analysis**

Demo

**Performing dimensionality reduction
on non-linear data using manifold
learning techniques**

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