

Linear Regression

RapidMiner Studio Educational 10.3.001 © WilliamPC

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Views: Design Results Turbo Prep Auto Model Interactive Analysis

Find data, operators, etc. All Studio

Repository

- Import Data
- Training Resources (connected)
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- Samples
- Local Repository (Local)
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- DB (Legacy)

Operators

- Blending (1)
 - Attributes (1)
 - Names & Roles (1)
 - Set Role

No results were found.

Process

Process

Retrieve USA_Hous... → Select Attributes → Set Role → Linear Regression

Linear Regression

Parameters

- Feature selection: M5 prime
- ☒ eliminate colinear features
- min tolerance: 0.05
- ☒ Use Diags
- ridge: 1.0E-8

[Hide advanced parameters](#)

Help

Linear Regression

RapidMiner Studio Core

Tags: Supervised, Classification, Regression, Model, Least squares, Ordinary, Ridge, OLS, OLS, Generalized, Functions

Synopsis

This operator calculates a linear regression model from the input ExampleSet.

[Jump to Tutorial Process](#)

Description

Regression is a technique used for numerical prediction.

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

Activate Wisdom of Crowds

3:50 AM 6/7/2024

KNN

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Operators

- Blending (1)
 - Attributes (1)
 - Examples (1)
 - Sampling (1)
 - Sample (Kendall-Stone)
- Modeling (1)
 - Predictive (1)
 - Lazy (1)
 - k-NN

No results were found.

Process

Process

Retrieve USA_Hous... → Select Attributes → Set Role → k-NN

k-NN

Parameters

- k: 5
- ☒ weighted vote
- measure types: MixedMeasures
- mixed measure: MixedEuclideanDistance

Help

k-NN

RapidMiner Studio Core

Tags: Supervised, Classification, Regression, Model, Nearest Neighbors, Neighbours, Knn, Instance-based, Instancebased, Similarity, Similarities, Euclidean, Distances, Lazy

Synopsis

This Operator generates a k-Nearest Neighbor model, which is used for classification or regression.

[Jump to Tutorial Process](#)

Description

What is a k-Nearest Neighbor model? It is a type of machine learning model that is used for classification or regression. It is based on the idea that similar data points have similar labels.

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

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K Means Clustering

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Operators

k mean

- Modeling (5)
 - Segmentation (5)
 - k-Means
 - k-Means (K2O)
 - k-Means (K-me)
 - k-Means (k-me)
 - Cluster Model Visualizer

Process

Process

Retrieve USA_Hous... → Select Attributes → Set Role → Clustering

Parameters

Clustering (k-Means)

- ☒ add cluster attribute
- ☐ add as label
- ☐ remove unlabeled
- k: 5
- max runs: 10
- ☒ determine good start values
- measure types: BregmanDivergences
- divergence: SquareEuclideanDistance
- max optimization steps: 100
- ☐ use local random seed
- [Hide advanced parameters](#)
- ☒ Change compatibility (10.3.001)

Help

k-Means

Concurrency

Tags: Unsupervised, Clustering, Segmentation, Grouping, Similarity, Similarities, Euclidean, Distances, Centroids, k-Means, k-means, kmeans

Synopsis

This Operator performs clustering using the k-means algorithm.

[Jump to Tutorial Process](#)

Description

This operator performs clustering using the k-means algorithm.

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

☒ Activate Wisdom of Crowds

We found "MeaningCloud Test Analytics" and "Word2Vec" in the Marketplace. [Show me!](#)

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