Linear regression

Basics

- Linear
  - Linear Regression
  - Linear Regression for Classification
  - Linear Regression for Time Series
- Non-linear
  - Non-linear Regression
  - Non-linear Regression for Classification
  - Non-linear Regression for Time Series

Linear Function of Linear Regression

Regression for Linear

- Linear Regression
  - Simple Linear Regression
    - Data
      - Training Data
      - Test Data
    - Model
      - Model Assumptions
      - Model Parameters
      - Model Hypothesis
      - Model Cost Function
      - Model Optimization
      - Model Evaluation
    - Model Selection
    - Model Prediction
  - Multiple Linear Regression
    - Data
      - Training Data
      - Test Data
    - Model
      - Model Assumptions
      - Model Parameters
      - Model Hypothesis
      - Model Cost Function
      - Model Optimization
      - Model Evaluation
    - Model Selection
    - Model Prediction
- Logistic Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Poisson Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Gaussian Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Ridge Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Lasso Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Elastic Net Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Bayesian Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Quantile Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Robust Regression
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Non-parametric Kernel SVR
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Non-parametric Tree SVR
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction
- Non-parametric Neural SVR
  - Data
    - Training Data
    - Test Data
  - Model
    - Model Assumptions
    - Model Parameters
    - Model Hypothesis
    - Model Cost Function
    - Model Optimization
    - Model Evaluation
  - Model Selection
  - Model Prediction

Created with XMind