- Linear Models
- > Ordinary Least Squares
- > Ridge regression and classification
- > Lasso
- ➤ Multi-task Lasso
- **Elastic-Net**
- ➤ Multi-task Elastic-Net
- **➤** Least Angle Regression
- > LARS Lasso
- > Orthogonal Matching Pursuit (OMP)
- > Bayesian Regression
- > Logistic regression
- Generalized Linear Regression
- > Stochastic Gradient Descent SGD
- > Perceptron
- > Passive Aggressive Algorithms
- > Robustness regression: outliers and modeling errors
- > Polynomial regression: extending linear models with basis functions
- > Stochastic Gradient Descent
- > Classification
- > Regression
- Stochastic Gradient Descent for sparse data
- > Complexity
- > Stopping criterion
- > Tips on Practical Use
- > Mathematical formulation
- > Implementation details