

Supplementary S1: List of Machine Learning models covered in this study

Models	Number of repetitions	Number of Articles	Class	Type
Adaboost	10	6	Supervised	Classification
Adaptive Neuro Fuzzy Inference	28	28	Supervised	Regression
Agglomerative Clustering	1	1	Unsupervised	Clustering
Artificial Neural Network	137	126	Supervised	Regression/Classification
Autoencoders	1	1	Unsupervised	Dimensionality reduction
Bagging	5	5	Supervised	Regression/Classification
Bayesian Additive Regression Tree	1	1	Supervised	Regression
Boltzmann Machine	1	1	Unsupervised	Dimensionality reduction
C4 5	1	1	Supervised	Classification
Catboost	10	3	Supervised	Regression/Classification
Convolutional Neural Network	5	5	Supervised	Classification
Cubist	5	2	Supervised	Regression
Decision Tree	35	30	Supervised	Regression/Classification
Decision Tree Regression	1	1	Supervised	Regression
Deep Belief Network	2	1	Supervised	Regression/Classification
Deep Neural Network	9	9	Supervised	Regression/Classification
Echo State Network	1	1	Supervised	Regression
Ensemble Learning	2	2	Supervised	Regression/Classification
Expectation Maximization Clustering	1	1	Unsupervised	Clustering
Extreme Learning Machine	11	8	Supervised	Regression/Classification
Factor Analysis	3	3	Unsupervised	Dimensionality reduction
Feed Forward Neural Network	11	10	Supervised	Classification
Fuzzy C Means	3	3	Unsupervised	Clustering
Fuzzy Logic	42	23	Supervised	Regression/Classification
Gated Recurrent Unit	1	1	Supervised	Regression
Gaussian Mixture Model	2	2	Unsupervised	Clustering
Gaussian Process	13	11	Supervised	Regression
Gaussian Process Regression	11	9	Supervised	Regression
Gradient Boosting	29	25	Supervised	Regression/Classification
Graph Convolutional Network	1	1	Supervised	Classification
Hidden Markov Model	1	1	Supervised	Classification
Hierarchical Clustering	1	1	Unsupervised	Clustering
K Means Clustering	3	3	Unsupervised	Clustering
K Nearest Neighbor	13	12	Supervised	Classification
Lasso Regression	4	4	Supervised	Regression
Light Gradient Boosting Machine	2	2	Supervised	Regression/Classification
Lightgbm	7	4	Supervised	Regression/Classification
Linear Discriminant Analysis	1	1	Supervised	Classification
Linear Regression	47	35	Supervised	Regression

Logistic Regression	12	11	Supervised	Classification
Long Short Term Memory	16	16	Supervised	Regression
Mean Shift Clustering	1	1	Unsupervised	Clustering
Moving Average	5	5	Unsupervised	Dimensionality reduction
Multi Layer Perceptron	3	3	Supervised	Classification
Multivariate Adaptive Regression Splines	2	2	Supervised	Regression
Naive Bayes	2	2	Supervised	Classification
Partial Least Squares	5	5	Supervised	Regression
Partial Least Squares Regression	1	1	Supervised	Regression
Partitioning Around Medoids	1	1	Unsupervised	Clustering
Polynomial Regression	3	3	Supervised	Regression
Principal Component Analysis	14	14	Unsupervised	Dimensionality reduction
Quantile Regression Neural Network	1	1	Supervised	Regression
Radial Basis Function Neural Network	6	6	Supervised	Regression/Classification
Random Forest	90	77	Supervised	Regression/Classification
Random Forest Regression	5	4	Supervised	Regression
Recurrent Neural Network	12	11	Supervised	Regression
Regression Tree	10	7	Supervised	Regression
Restricted Boltzmann Machine	1	1	Unsupervised	Dimensionality reduction
Ridge Regression	5	4	Supervised	Regression
Seasonal Autoregressive Integrated Moving Average	1	1	Supervised	Regression
Self Organizing Map	4	4	Unsupervised	Clustering
Spectral Clustering	1	1	Unsupervised	Clustering
Stacking	4	3	Supervised	Regression/Classification
Stepwise Regression	2	2	Supervised	Regression
Stochastic Gradient Descent	1	1	Supervised	Regression/Classification
Support Vector Machine	60	52	Supervised	Regression/Classification
Xgboost	20	9	Supervised	Regression/Classification

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