



Classification		Regression		Clustering	
Applications	Algorithms	Applications	Algorithms	Applications	Algorithms
● Spam Detection ● Image Recognition	● SVM ● Nearest Neighbors ● Random Forest	● Drug Response ● Stock Prices	● SVR ● Ridge Regression ● Lasso	● Customer segmentation ● Grouping experiment outcomes	● k-Means ● Spectral Clustering ● Mean-Shift

Dimensionality Reduction		Preprocessing		Model Selection	
Applications	Algorithms	Applications	Modules	Applications	Modules
● Visualization ● Increased Efficiency	● PCA ● Feature Selection ● Non-negative Matrix Factorization	● Transforming input data such as text for use with machine learning algorithms	● Preprocessing ● Feature Extraction	● Improved accuracy via parameter tuning	● Grid Search ● Cross Validation ● Metrics

版本比較表

		基本版	專業版	設備管理版本	運行管理版本
機器學習網頁框架		V	V	V	V
智慧編輯器		V	V	V	V
程式碼檢查器		V	V	V	V
版本控制支援		V	V	V	V
科學工具*		V	V	V	V
演算法模型*			V	V	V
智能分析模組	設備壽命分析模組			V	V
	設備故障預警模組			V	V
	零件維修預測模組			V	V
	派遣管制分析模組				V
	妥善率預測管理模組				V
	供應鍊分析模組				V
資料庫與 SQL支援			V	V	V

- 科學工具：scikit-learn, TensorFlow, Caffe, CUDA
- 演算法工具：包含：預處理，分類，回歸，聚類，降維，模型選擇

