

What do you want to do with your data?

Algorithm Cheat Sheet

Additional requirements

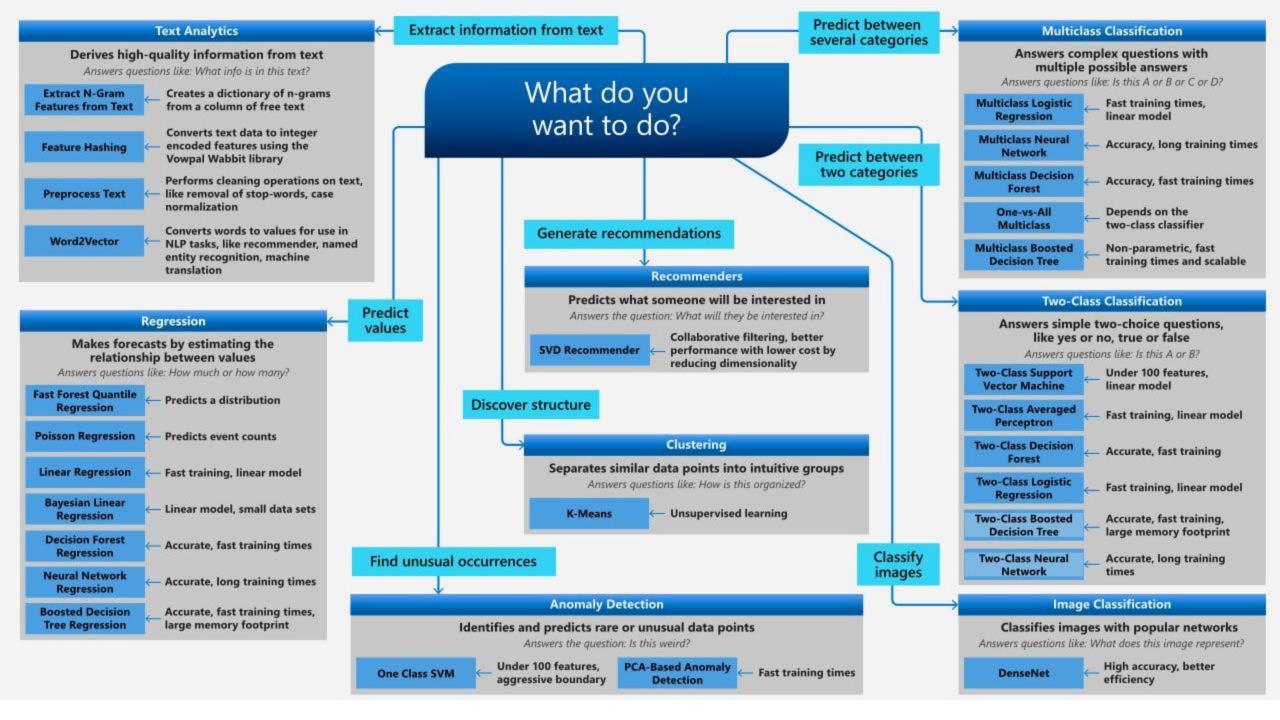
Accuracy

Training time

Linearity

Number of parameters

Number of features



Algorithm	Accuracy	Training time	Linearity	Parameters
LR	Good	Fast	Yes	4
Random Forest	Excellent	Moderate	No	5
Decision Tree	Excellent	Moderate	No	6
Neural Network	Good	Moderate	No	8
Support Vector Machine	Good	Fast	Yes	5
K Nearest Neighbours	Fair	Slow	No	2
Gaussian NB	Fair	Fast	Yes	2

Algorithm	General Use Case	Example	
Logistic Regression	Classifying labeled data	Children are male/female	
Decision Tree	Classifying points with a defined process	People hired from an interview	
	Unstructured learning on large-scale		
Neural Network	image or video datasets	Classifying image is of cat/dog	
	Classification/regression with high-		
Support Vector Machine	featured data	Classifying image, categorizing text	
K Nearest Neighbours	Simple classification/regression tasks	Classifying types of flowers	
Gaussian NB	Supervised text classification	Review is positive/negative	