

THE PREDICTIVE TOOLS OF alteryx

found in the alteryx 11.0.6 predictive install

Descriptive Tools

WHAT'S HAPPENED?

Association Analysis	Plot of Means	Append Cluster	MB Inspect
Contingency Table	Scatterplot	Find Nearest Neighbors	MB Rules
Distribution Analysis	Violin Plot	K-Centroids Analysis	Principal Components
Heat Plot		K-Centroids Diagnostics	
Histogram		MB Affinity	

Predictive Tools

WHAT'S GOING TO HAPPEN?

Boosted Model	Lift Chart	Network Analysis	Support Vector Machine	ARIMA	TS Forecast
Count Regression	Linear Regression	Neural Network	Test of Means	ETS	TS Plot
Decision Tree	Logistic Regression	Score		TS Compare	
Forest Model	Naive Bayes Classifier	Spline Model		TS Covariate Forecast	
Gamma Regression	Nested Test	Stepwise		TS Filler	

Prescriptive Tools

WHAT'S THE BEST THING TO DO?

AB Analysis	AB Controls	Optimization	Simulation Sampling
AB Treatments	AB Trend	Simulation Scoring	Simulation Summary

THE PREDICTIVE TOOLS ARE MACROS.
TOOLS DISPLAYING A BLUE BACKGROUND
HAVE AN HTML FRONT END.

PREDICTIVE MODEL CHEAT SHEET

Predictive Modeling coming from statistics

Fast and intuitive but tend to make assumptions about the underlying data, tend to be oriented around hypothesis testing

Machine Learning coming from computer science

Algorithms can be more accurate but tend to take longer to fit and are harder to interpret

Regression

Linear Regression	Gamma Regression	Count Regression
-------------------	------------------	------------------

Regression & Classification

Decision Tree	Spline Model	Boosted Model	Forest Model	Neural Network	Support Vector Machine
---------------	--------------	---------------	--------------	----------------	------------------------

Classification

Logistic Regression	Naive Bayes
---------------------	-------------

Regression = Predict continuous numbers | Classification = Predict categories