

# Alteryx Intelligence Suite

Automated machine learning and text mining made simple



Data science and machine learning can create a sustainable, competitive advantage for your business. However, there is a growing shortage of data scientists; meaning, it can be quite expensive to find, retain, and hire these experts. Alteryx Intelligence Suite closes this gap. With machine learning automation for beginners or expert mode for those who demand more flexibility, Intelligence Suite allows citizen and expert data scientists alike to create models in minutes. Whether you're creating data science and machine learning (ML) models or unlocking the insights buried in text and documents, Intelligence Suite allows you to solve your business' most vexing problems.

WITH INTELLIGENCE SUITE,  
YOU CAN:

### Build models in minutes

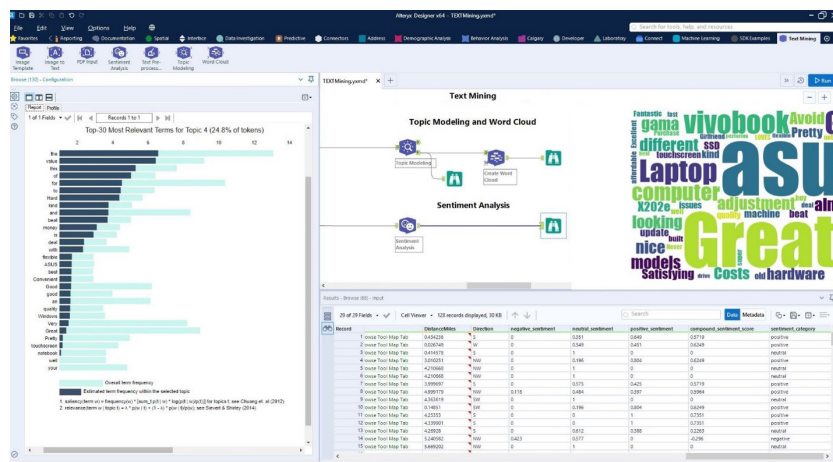
Quickly create trustworthy data science and machine learning models to solve your business' toughest problems.

### Automate machine learning

Accelerate productivity and innovation by using built-in best practices in fully-guided or expert mode.

### Unlock the power of text analytics

Unlock hidden insights by extracting data from text and PDF documents to discover topics and sentiment.



Easily extract insight from text and documents with text analytics.

Whether you're creating data science and machine learning (ML) models or unlocking the insights buried in text and documents,

Intelligence Suite

allows you to solve your

business' most vexing

problems.

## Put Data Science at Your Fingertips with Automated Machine Learning

Intuitively create sophisticated ML pipelines in fully-automated, assisted, or expert mode. Whether you're a beginner or expert, you can use innovative methods like XGBoost, Elastic Net, Random Forest, and others, which compete to provide the best solution to drive your business forward. Leverage automated data health checks to better understand and cleanse your data before creating robust, optimized models. For more sophisticated users, use one-hot encoding, optimized imputation methods, and automated hyperparameter tuning. Built-in best practices automatically randomize and fold holdout data to prevent common pitfalls like overfitting and target leakage.

## Easily Extract Structured and Unstructured Text

Speed text mining and analytics with drag-and-drop automation building blocks. Extract text from PDFs and images with Google Tesseract's powerful optical character recognition (OCR) capabilities. Understand and extract concepts in your data with topic modeling. Gain insight into the emotion behind your data with sentiment analysis and share insights with others by creating word clouds.

## Leverage Sophisticated, Built-In, Automated Feature Engineering

Leverage Deep Feature Synthesis to automatically generate features across multiple relational datasets. More than 70 pre-engineered features are ready to add predictive power to your models, built with Alteryx *Featuretools* and *EvaML* open-source libraries, which have been downloaded over a million times. Optionally, augment your models with *ready-to-go data packages* (Experian, TomTom, Dun & Bradstreet, U.S. Census, and more).

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### ABOUT ALTERYX

As a global leader in analytic process automation (APA), Alteryx unifies analytics, data science and business process automation in one, end-to-end platform to accelerate digital transformation. Organizations of all sizes, all over the world, rely on the Alteryx Analytic Process Automation Platform to deliver high-impact business outcomes and the rapid upskilling of their modern workforce.

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