

# Tangent Works

Tangent Works delivers hyper-automated, augmented machine learning for time series data in Forecasting, Anomaly Detection and Classification.

[www.tangent.works](http://www.tangent.works)

## Tangent Works InstantML and the Gartner Data Science and Machine Learning Hype Cycle

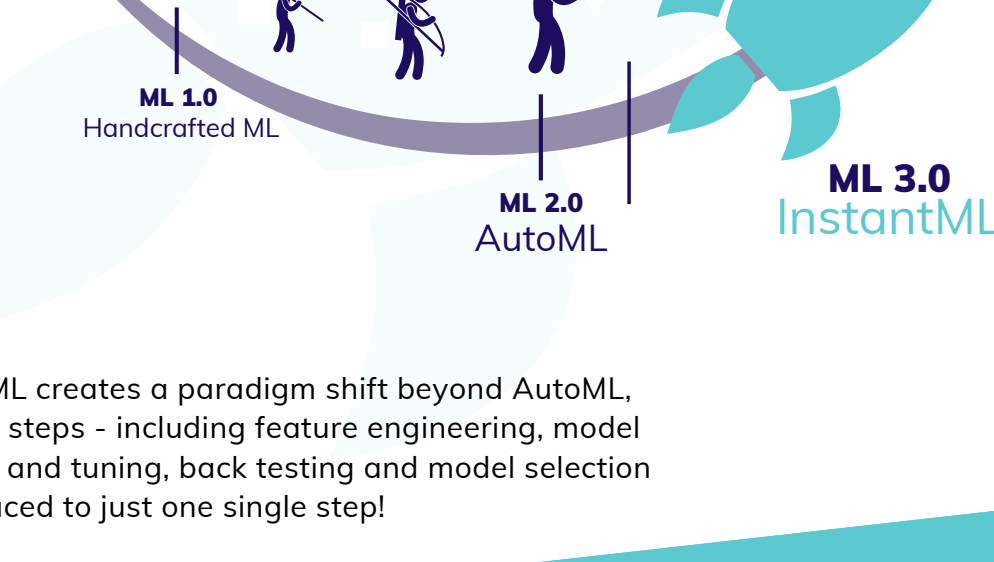
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Are you getting genuine value out of your company's data? Are you stuck looking at past behavior without getting any predictive business value that can help shape your company's strategic plans and increase profit? Check-out market trends according to Gartner and see how Tangent Works InstantML opens a whole new world of possibilities.

### Who we are and what we do

As a predictive modeling game-changer for time series forecasting and anomaly detection, InstantML supports business users with its focus on value creation and ease of use.

With TIM, predictive analytics initiatives go beyond the experimentation stage to production in a fast, accurate, automatic, flexible and explainable way.



InstantML creates a paradigm shift beyond AutoML, since all steps - including feature engineering, model building and tuning, back testing and model selection are reduced to just one single step!

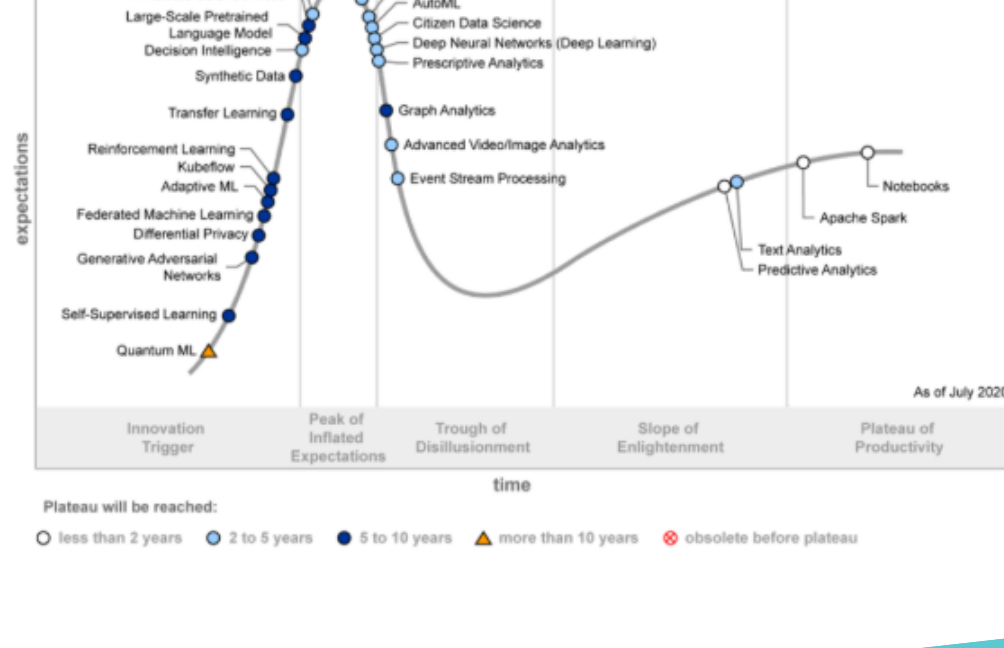
## The Gartner Hype Cycle

“Data science and machine learning (ML) — together, abbreviated DSML — are entering a phase of more democratization and industrialization”

According to Gartner

Read the Hype Cycle for Data Science and Machine Learning, 2020. No need to leave your details, it is a gift.

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## How InstantML fits the Hype Cycle capabilities

### Top 8 capabilities

### Adaptive ML

Adaptive machine learning offers the ability to frequently retrain ML models when in their online runtime environment, rather than only training ML models when offline in their development environment. This is what InstantML does. Tangent Works TIM provides hyper-automation of the ML – DEV – OPS process. Feed InstantML with data and it will do the feature engineering and model building in a controlled MLOPS way in just seconds. With the Structural changes in the business (think about COVID) this becomes a necessity.

[Read more about the impact of COVID on predictive analytics.](#)

[Read more](#)

### Citizen Data Science

InstantML makes Machine Learning easily accessible to business users. The TIM InstantML on Platforms strategy also makes the ML technology easily accessible from known tools such as PowerBI, QLIK, Alteryx, Siemens Mindsphere, Even Excel.

This is achieved without the need for expert data scientists who are an expensive resource and in short supply. InstantML helps you through the end – to – end modelling process.

[Discover the wide variety of platforms on which TIM is available.](#)

[Read more](#)

### Explainable AI

InstantML is not a black box model algorithm approach. InstantML provides full insights so you can understand the Machine Learning model being used. This include insight on dependencies of predictor candidates and targets and much more.

[Learn about InstantML.](#)

[Read more](#)

### Prescriptive & predictive analytics

With InstantML you move beyond looking at past performances and can answer the question “What is likely to happen?” It is well known that for time series, this is not easy. InstantML offers you hyper automated capabilities.

This allows us to set up InstantML in a prescriptive analytics way where it drives the inputs for decision making.

### MLOPS

InstantML hyper automated solution to cover ML – DEV – OPS streamlines the model generation and operationalization, execution to Time series data ML, predictive analytics. In contrast to Time series solutions, this also includes the development and training of ML models. These two aspects are fully automated.

### AutoML

What is now called AutoML is the ability of automating the process of building, deploying and/or managing machine learning models. Tangent Works see this as ML 2.0 It uses brute force computing to come up with the best ML model.

InstantML is an ML 3.0 solution. Which automates the data analysis processes and makes predictive analytics easy. We believe the ability to generate customized and adaptive models quickly will be a key determinant of success: It's a different world from the relatively stable data and analytics world of the past.

Traditional AutoML does not deliver the answer.

### Augmented DSML

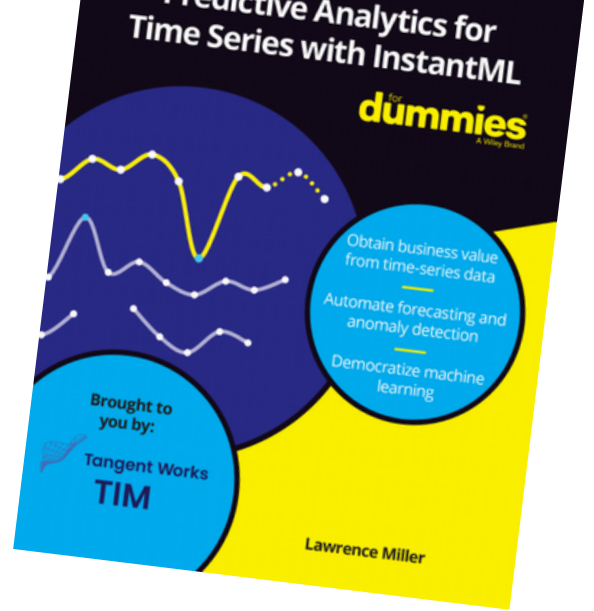
InstantML reduces the need for specialized skills to generate, operationalize and manage advanced analytics content. It opens up data science to non ML experienced people in the organisation. Which allows highly skilled data scientists to increase their business productivity by automating time-consuming steps and ensure ML makes it to production. It is currently estimated the 30% of the models it created never make it to production.

### Notebooks

The rich InstantML functionality is available from Notebooks for data scientists who want to use this to create, annotate, collaborate and share their work. TIM InstantML can be consumed in many other ways such as existing data handling platforms like Azure Data Factory, Amazon Glue, Snowflake, Denodo, Trifacta, or Analytics and BI tools such as QLIK, PowerBI, Tableau.

InstantML is easy to use and easy to consume from your preferred environment.

## Predictive Analytics for Time Series with InstantML For Dummies



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