Prime Forecasts

A FORECASTING ENGINE USED FOR HIERARCHICAL TIME SERIES.

Prime Forecasts is a forecasting engine used in hierarchical (or otherwise several linked) time series cases. Prime Forecasts can also use external influencing factors in a better way than traditional standard solutions.

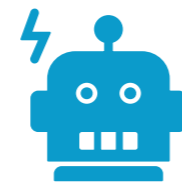TENFIFTY
TAILORED AI SOLUTIONS

Tenfifty is an **industry and solution agnostic AI company** that deploys concrete, custom built services for companies who want to optimize, automate, forecast and predict on **all kinds of data**.

50+ projects
Large number of successful and implemented AI projects.

AI first
We are AI artists and experts in our field.

15+ years
Unique and extensive experience.

Customers
Customers in Sweden, Norway, Denmark, Finland, Netherlands, Germany, England, etc.

AI understanding and skills within Tenfifty, and **needed** in **advanced** data science projects

Traditionally, forecasting use one time series at a time, but situations where data is too noisy or have too few data points to give deep results are common. By adding prior knowledge to your models, you get less dependent on just data.

CHALLENGES

Businesses often need forecasting for areas like sales, bookings, inventory and production.

Situations with time series that are too noisy or have too few data points to give deep results are common.

IDEAL SOLUTION

Ideally you want to extract maximum information from your data through knowledge of how data fits together structurally, for example in hierarchical product trees.

DESIRED OUTCOMES

By adding prior knowledge to your forecasting models, they can be made to perform better and be more robust with less data.

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Prime Forecasts

Better forecasts through combining data and structure.

1 ACCURATE
In a noisy world, Prime Forecasts extracts the real signals from your data.

2 SAMPLE EFFICIENT
Using your existing domain knowledge, Prime Forecasts can do more with less data.

3 AZURE READY
Prime Forecasts is designed to run on and connect to your existing Azure infrastructure.

Tenfifty Prime Forecasts & Microsoft Azure

Microsoft Azure is the ideal platform for running **Tenfifty Prime Forecasts models**, both in production use as well as for training workloads. The broad range of services available in Azure provides the computing power needed to fully enjoy the benefits of the Prime Forecasts service. Prime Forecasts is also engineered to take advantage of the advanced features of Azure.

Prime Forecasts & Databases in Azure

Prime Forecasts can use data directly from data sources in Azure, such as managed SQL databases or Azure Cosmos DB. For every Prime Forecast application there is a fitting database solution in Azure.

Prime Forecasts & Azure ML

Using Prime Forecasts in Azure ML, providing the unique prediction capabilities of Prime Forecasts to ML pipelines, is the quickest way to enjoy the possibilities of Prime Forecasts.

Prime Forecast & Azure DevOps

Developed from the get go for containerization, Prime Forecasts can be deployed to local machines, servers in public or private clouds as well as clusters.

Customer success: A world- leading aerospace supplier improved its inventory forecasting accuracy via Prime Forecasts.

Purpose

A world leading aerospace supplier has vast resources tied up in inventory and want to improve inventory forecasting.

Technologies

Hierarchical neural networks, bayesian neural networks, gradient boosted trees.

Data sources

Historical data of inventory levels, Program and production data and quality data. Customer forecasts.

Outcome

Via Tenfifty and Prime Forecasts engine, the customer can produce qualitative forecasts faster with less effort. Since the machine learning models beat customer's human forecasts, the customer is also not as dependent on having its most qualified analysis staff available daily.

The result and its deliverables will be performance scores for forecasts over different time horizons.

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Let's talk

Whether you want to get a project started, ask a question, or just say hello, we'd love to hear from you.

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Email: info@tenfifty.io

Learn more: https://tenfifty.io

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Microsoft
Partner

Gold Application Development
Gold Application Integration
Gold Application Lifecycle Management
Silver Data Analytics
Silver Data Platform

Microsoft