

CPG

Unlocking futuristic insights using Industrial Level Forecasting for a leading F500 Brewer

Attained 99% forecasting model accuracy.



Industry

Manufacturing



Function

Demand Planning



Data Used

- 1. Weather trend
- 2. International HIS market data
- 3. International monetary fund



Tech Stack

- 1. R
- 2. Shiny
- 3. Excel

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Who Is The Client?

The client is one of the prominent F500 brewers based in the US and has a diverse array of customers across the globe. Selling its diverse portfolio strategically, the company has a strong presence and brand momentum in the world's largest markets.



Business Quandary

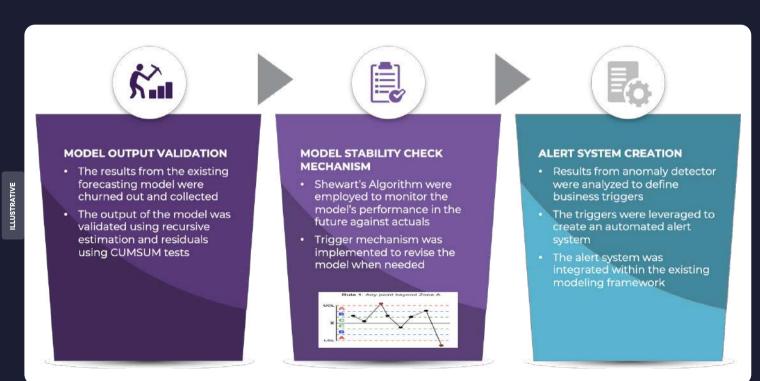
The statistical effect on client's sales was estimated by the variability in market trends that collapsed in identifying the key drivers across the regions. To bring out the outstanding results in sales and business decisions, global estimation of beverage consumption was needed to boost operational efficiency to fulfil the demand and strategize the capital investments across different markets.



How Did We Solve The Problem?

Affine provided a model to analyze the trending key drivers in each sub-segment of the global brewer market, along with forecasts at the regional level from different year breaks. Our team of Analytical Engineering and AI experts leveraged advanced algorithms like Linear Regression, Lasso Ridge Regression and Support vector Regression to develop a forecasting framework based on Macroeconomic, Micro(strategic) and weather data. This interactive model enabled the client to make confident business decisions based on predicted data.











The Pay Off

Affine created an interactive web tool that will simulate scenario-based forecasts, efficacious insights, and reports to seize calculated outcomes in the business. With the help of this tool, the client will receive comprehensive reports and the analysis of the brewer sales and provide infallible production data for the upcoming years for futuristic production.

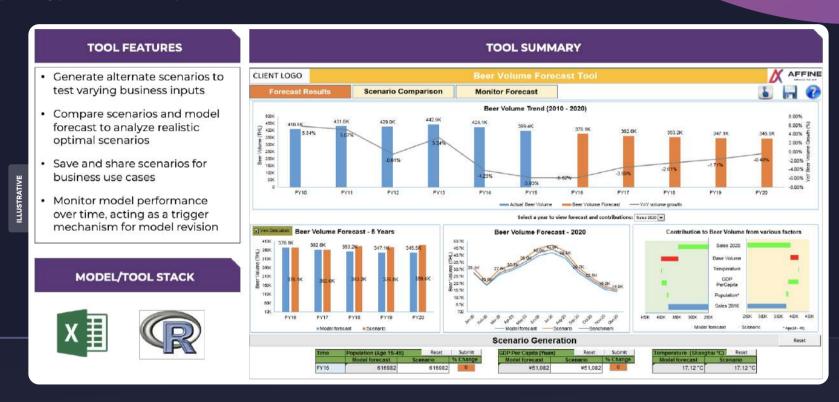
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Business Benefits

Model Accuracy

Strategic Planning Efficiency



Understanding Sales Drivers













