

COVID-19 RESPONSE

## COVID-19 Demand Impact Analyzer

### Analyze impact and improve demand predictions for faster business response

The COVID-19 pandemic has radically impacted customer behavior and supply chain operations, creating enormous disruption and uncertainty for teams responsible for planning what to do now. Companies have seen demand surge, plummet, or in some cases both. Traditional systems, data and processes don't provide the rigor necessary to plan the best response.

When a highly disruptive event like this occurs, time series forecasting methods, a mainstay of the demand forecaster's toolkit, may no longer provide actionable demand predictions as these methods rely on the assumption that the past is indicative of the future. While it is impossible to have predicted all of the impacts of a crisis like COVID-19, maintaining and adapting operations to fast-changing events is complicated but possible with the right combination of data, technology and human judgment.

### Make Better Short-Term Forecast and Supply Chain Decisions

LLamasoft's COVID-19 Demand Impact Analyzer pairs our demand expertise, data science talent, advanced algorithms and new COVID-19 related external datasets with your data to perform demand discovery analysis and demand sensing for rapid forecasting, resources allocation and capacity planning adjustments using what-if scenarios testing.

Prioritize demand fulfillment given inventory and capacity constraints

Accelerate supply balancing with agile resource allocation and capacity planning

Improve short-term forecasting of critical items to meet customer need

# COVID-19 Demand Impact Analyzer

We've developed this offer exclusively to help you analyze and predict short-term demand in a COVID-19 disrupted world. The insights will inform your immediate response plan.

## Measure Impact with COVID-19 Indicators

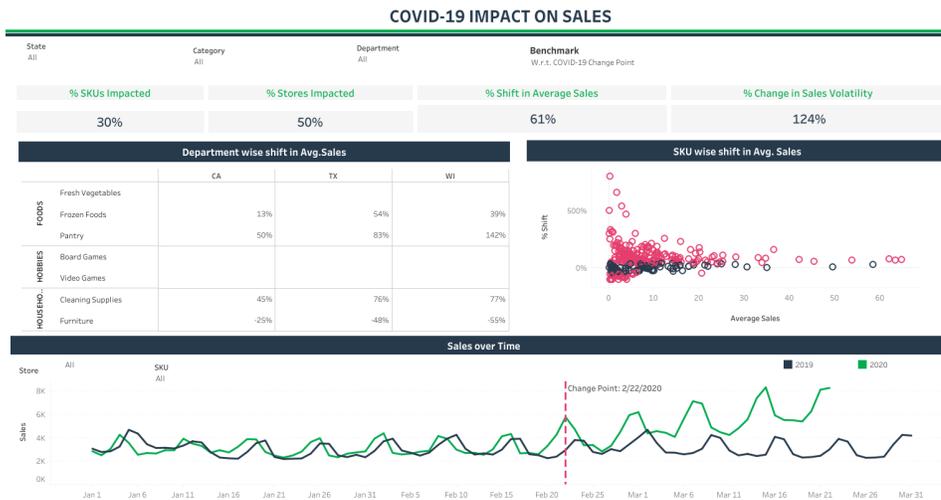
- Get a deeper understanding of demand shifts by measuring specific change points - what changed, when and how much.
- Incorporate your data with COVID-19 virus trajectories and other new datasets for outside-in causal analysis.

## Improve Forecasting Decisions

- For items with high errors or significant demand variations, improve predictions with proprietary algorithms that apply advanced forecasting techniques, COVID-19 drivers, stock-out indicators, substitution analysis and hierarchical learning.
- Make judgment adjustments based on domain knowledge and incorporate information not captured by our models.

## Run What-If Scenarios

- Run multiple scenarios to gauge the impact of COVID-19 on demand predictions and make informed resource allocation and capacity planning adjustments.
- Perform sensitivity analysis with various levels of social restrictions.



In just days, get a demand analysis to prioritize your short-term forecast when our experts map your data with COVID-19 causal datasets, with free access for 2 months.

For more information about any of LLamasoft's COVID-19 Response Center Solutions, contact us at [llamasoft.com/covid-19-response-center](https://llamasoft.com/covid-19-response-center)

## OFFERINGS

### Restore

JD Logistics  
Expedited Shipping

COVID-19 Impact Analysis

COVID-19 Newsfeed

Augmented Analytics Services

**COVID-19 Demand Impact Analyzer**

### Adapt

Risk & Resiliency Program

### Evolve

Dynamic Sourcing

Dynamic Network Design

Dynamic Contingency Planning

Market Sensing

Digital Twin