

# The Demand Signal AI Predictive Pilot

## Executive Summary

We take shipments, orders, demand, and various internal forecasts as inputs and combine them with Noodle.ai external data cartridges to generate deep analytics on the demand patterns unique to you. We validate the lift vs. your current approaches, and generate a live AI-driven demand signal for operational planning—weekly customer order forecast: 0-13 weeks, and monthly shipments forecast: 0-24 months.

You get a forecast demand output that can be fed directly into your ERP as well as dashboards that provide visibility into exactly which inputs are driving the recommended consensus demand signal.

## Three Requirements

### 01 // Data

We have standard extract requests for aggregated customer orders, shipment history, demand plans, pricing, and a few parts of item and node master data. We have extracted this data many times and there are typically super-user planning team members who can readily provide the data.

### 02 // Team Commitment

We need one person from your team to help manage data extracts—typically one day per week. We also schedule insight reviews with planning managers to review and validate the insights we are finding in your data. This is typically 1-2 hours per week for several people, and typically folks want to spend even more time digging deeper into the insights.

### 03 // Customer Obligation

We work with you to establish a small steering committee that meets 3 times over the 3-month period. We provide weekly updates via email and ask the steering committee to review content and outcomes from the models.

## Three Months

The pilot takes just 3 months:



### INPUTS AND ANALYTICS

The first month is focused on extracting and validating data, developing AI-driven segmentation for your business, and refining a year-over-year Covid assessment (when 3 years of history is provided).



### PROJECTIONS AND LIFT

The second month is focused on forecasting model configuration and assessment of performance lifts. At this stage, full forecasts are generated and assessed.



### PLANNER DEEP DIVES AND BUSINESS CASE

In the third month, planning super users leverage Noodle dashboards to dive deep and validate results.

## Continuing After the Pilot?

### YES ✓

At the end of the pilot, the demand signal is fully configured and ready to go live. You can enter into a one or two year subscription for weekly forecast publishing. In many cases, customers will execute extracts and loads manually for a few weeks while they configure automated jobs to do this. All of the automation on our side is fully complete including the AI forecast support center who monitors results and ensures models continue to operate at a world class level.

### NO ✕

If you choose to not go forward, you will be able to utilize our sku/dc segmentation overview and database to guide forecasting processes and analysis, and leverage our Covid assessment to plan for the year ahead in 2021. We have also developed powerful ways to measure forecast quality that your team will learn from.

## Pricing

### The Pilot

This includes configuration, live dashboards, and our advanced analytics. We also provide segmentation results in a file to leverage in other tools you currently have.

**Estimated Cost**

**\$150,000**

### The Ongoing Subscription

Fees are based on the scale of your business, and include routine model retraining and support.

## General Access & Rollout

A full demand signal is generated and optimized throughout the pilot. At the end of month 2, validation is completed and you may begin using the baseline demand signal for all or part of your baseline. Super-users will begin using analytical interfaces in month 3 and should be fully capable by the end of that month.

## Support & Ongoing AI Model Training

The Demand Signal product is delivered AlaaS. Models continue to learn and become more capable over time. These are always monitored by the AI Forecast Quality team to ensure ongoing performance and to initiate routine retraining. Our technical support desk is available for any emergent integration issues.

Noodle.ai is on a mission to create a world without waste. As the leading source of Enterprise AI®, our Vulcan and Athena product suites push the limits of data science to give business leaders a view into the future, enabling them to achieve radical efficiency within their manufacturing and supply chain operations.