SUPPLY CHAIN MANAGEMENT

Optimize Supply Chain with Computer Vision, NLP and AI

Computer Vision, NLP and Artificial Intelligence, when applied with flexible supply chain planning, are enhancing efficiency, data understanding and driving faster actions. These proactive systems are raising the quality of service, exceeding customer expectations for on-time and undamaged deliveries. The result is lower costs and fewer problems across the logistics network.

COMPUTER VISION

Realize the potential of your unstructured image and video data

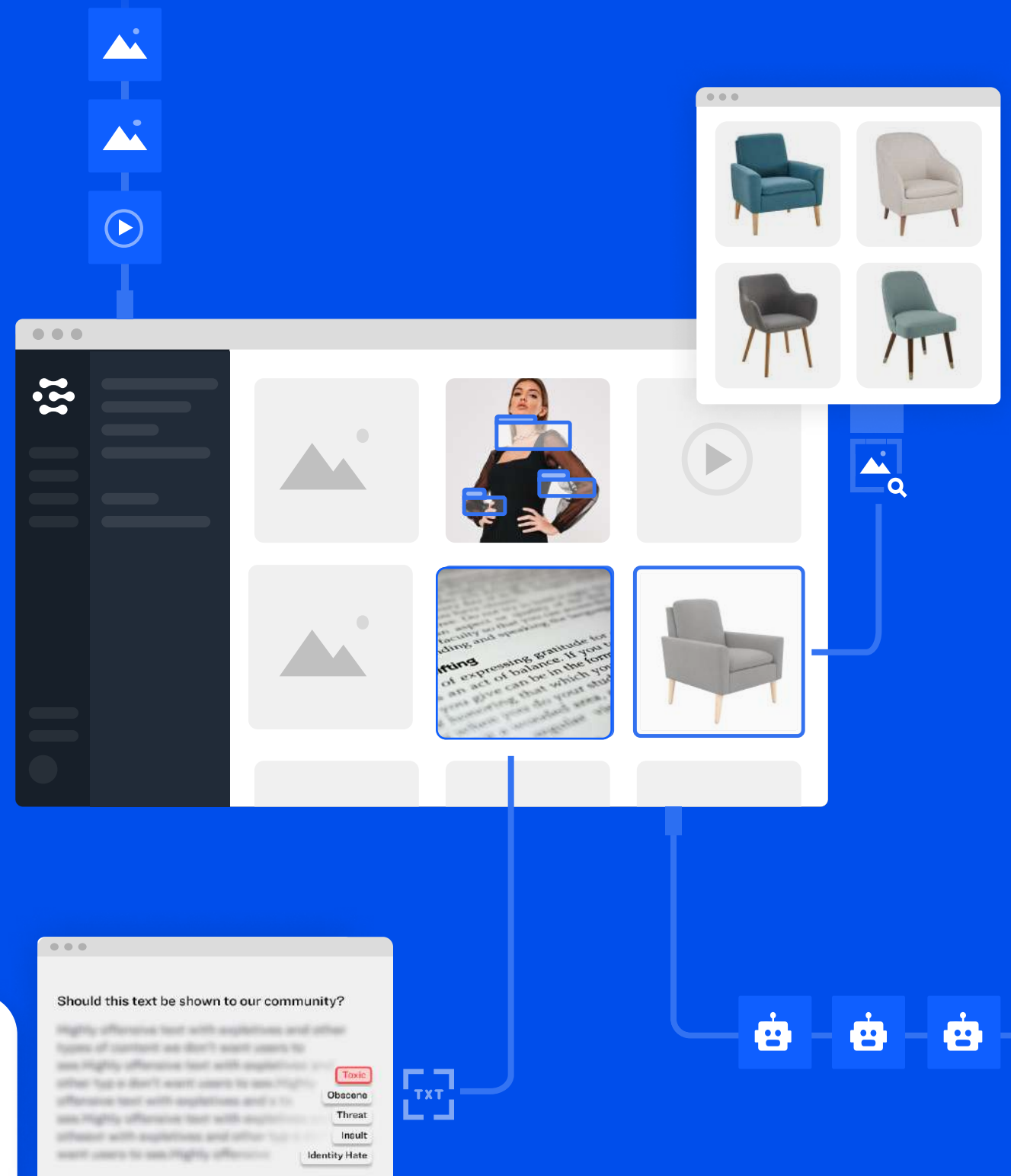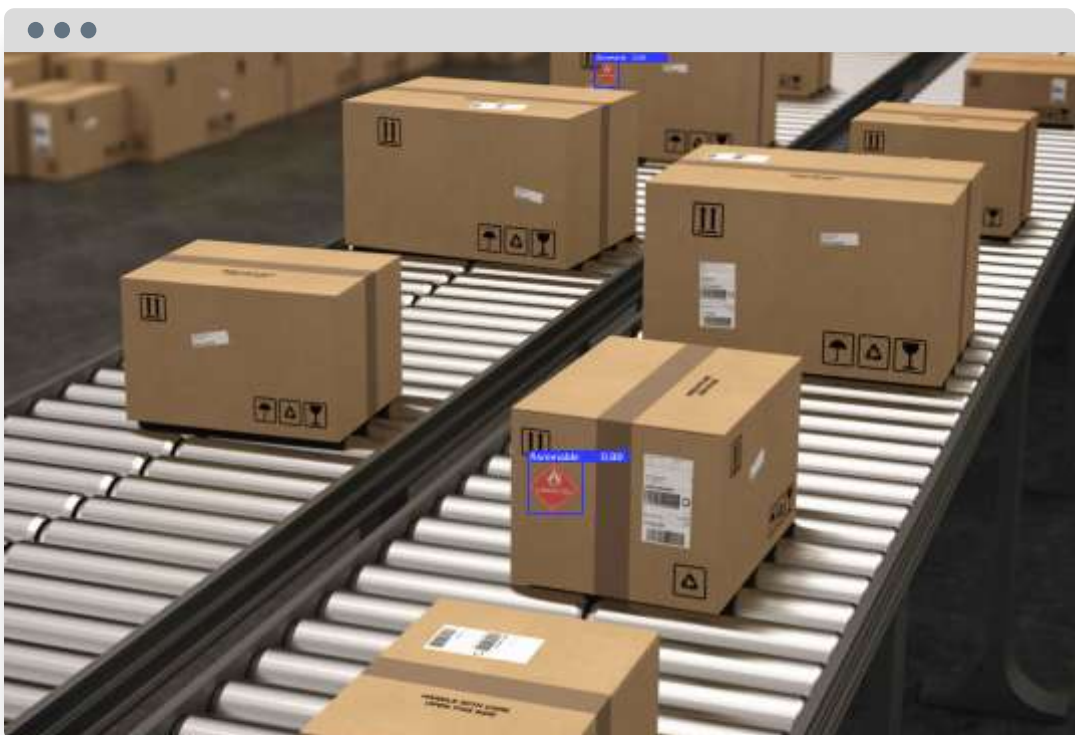### Proactively predict maintenance and repair cycles

Inspect and detect when maintenance is needed for repairs or defective part replacements. Spot issues pointing at possible malfunction and replace parts proactively and extend the life of your assets.

Monitor inventory management

Gain real-time visibility into warehouse and in-store inventory. Enable faster identification of missing stock on shelves or incorrectly merchandised stock using computer vision.

Ensure employee safety and guideline adherence

Detect whether employees are following PPE protocols for goggles, face masks and uniform detection. Ensure safety and health guidelines are being met to avoid supply chain disruption. Recognize safety hazards such as spills, blocked fire exits and unattended security posts.

Improve supply chain efficiency with computer vision, NLP, and artificial intelligence

The Clarifai platform manages the entire AI lifecycle is easily deployable, it's built with easy-to-use tools designed for both technical and non-technical users.

Integrate machine learning into your enterprise to help automate tasks and allow you to focus on more strategic and impactful business activities.

- Filter and classify text datesets to provide "best supplier scenarios".

- Automate quality inspections to reduce delivering defective or faulty goods to customers.

- Identify consumer trends that'll change demand for specific products.

> " A pioneer in deep learning-based computer vision, Clarifai can tackle near real-time visual search, facial recognition use cases, and deployment in the most secure, air-gapped environments that nearly all other vendors can't match."

FORRESTER®

Analyze your unstructured text data and gain insights to create actionable business intelligence

Clarifai delivers a single, automated, and scalable end-to-end AI lifecycle platform to support organization-wide transparency and collaboration.

Create more efficient and smarter chatbots

Automate responses to routine, low-level operations questions to increase response times and reduce human involvement. Gather information from customers and suppliers chatbot interactions to identify delays, damaged products or other issues.

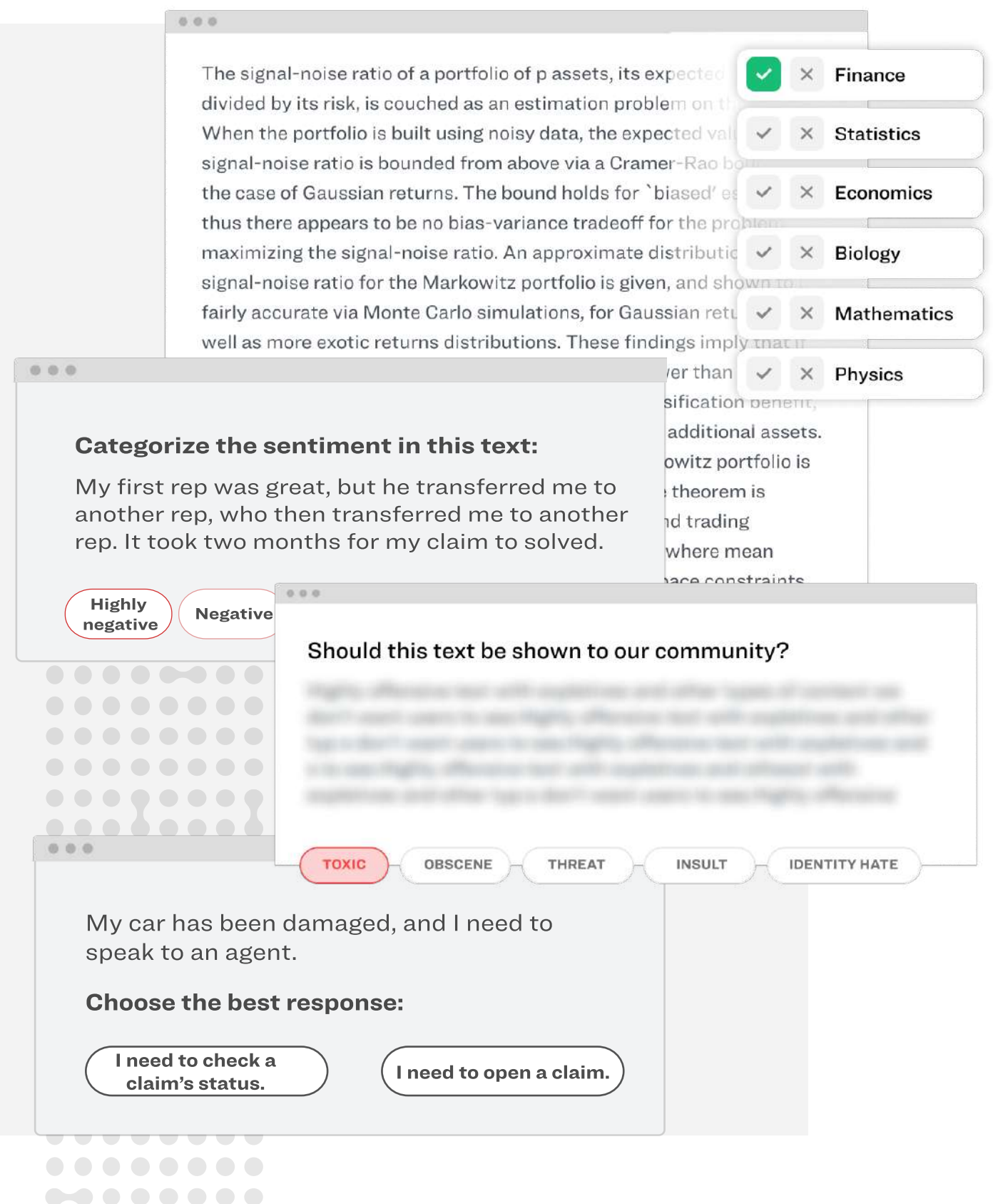## Identify potential risks during the supplier selection process

Filter and classify text datasets such as supplier assessments, audits, credit scoring to provide "best supplier scenarios." Analyze diverse data sources for tell-tale indicators of potential supplier problems.

Extract data and classify documents to identify supply themes and issues

Identify documents and categorize them faster with minimum human dependencies. Scan contracts, purchase orders, chat logs and other documents to identify common themes or issues that could affect supply.

Forecast product demand using social listening

Tap into social media channels to monitor and track spikes in conversation regarding products, trends and environmental changes. Determine "sentiment" and quickly predict impacts on short and longer-term demand to ensure stores are properly stocked.

The signal-noise ratio of a portfolio of p assets, its expected divided by its risk, is couched as an estimation problem on t When the portfolio is built using noisy data, the expected va signal-noise ratio is bounded from above via a Cramer-Rao bo the case of Gaussian returns. The bound holds for `biased' e thus there appears to be no bias-variance tradeoff for the probl maximizing the signal-noise ratio. An approximate distributio signal-noise ratio for the Markowitz portfolio is given, and shown fairly accurate via Monte Carlo simulations, for Gaussian retu well as more exotic returns distributions. These findings imply that

- [x] Finance
- [x] Statistics
- [x] Economics
- [x] Biology
- [x] Mathematics
- [x] Physics

Categorize the sentiment in this text:

My first rep was great, but he transferred me to another rep, who then transferred me to another rep. It took two months for my claim to solved.

(Highly negative) (Negative)

Should this text be shown to our community?

(TOXIC) (OBSCENE) (THREAT) (INSULT) (IDENTITY HATE)

My car has been damaged, and I need to speak to an agent.

Choose the best response:

(I need to check a claim's status.) (I need to open a claim.)

Why Clarifai

Clarifai is the leading, independent, enterprise platform for computer vision, natural language processing, and artificial intelligence that uses sophisticated machine learning to model unstructured data. We help organizations and enterprises gain value from their unstructured image, video, and text data to solve the most challenging use cases.

The platform comes with the broadest repository of pre-trained, out-of-the-box, AI models built with millions of inputs and context. They detect explicit content, faces with bounding boxes, embedded images as well as predict various attributes such as food items, textures, colors, people, and more within image, video, and text data. Our models give you a head start; extending your own custom models. Our platform enables enterprises and organizations to gain insight into customer engagement, trending content, and competitor performance via visual data analysis. For more information visit _____.

Contact us to learn more.

Whether you are a start-up or a Fortune 500, we can help you advance your AI projects. **Contact us** to learn about our platform.

‹›‹ clarifai