

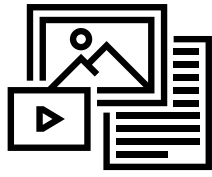


NLP Fact Sheet

NLP offers significant competitive advantage, operational efficiency, and growth for adopters.

80%

of all corporate data is estimated to be unstructured, text files; extracting insights from this information has traditionally been difficult, but NLP is changing this fast.



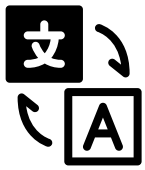
\$27.6 B

forecasted market size of the 2026 NLP market - if you aren't deploying this technology, your competition is



500 mil

the amount of times Google Translate is used every day to understand more than 100 world languages



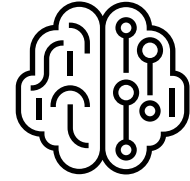
1 exabyte

the amount of data created in the internet daily, expected to rise significantly with more IoT applications



85%

the percentage of customer interactions, predicted by Gartner, to be managed without humans



Sample Set of Mosaic's Aviation Natural Language Processing Capabilities



Document Anomaly Detection

Document Classification

Any aviation company deals with a significant amount of paperwork, from purchase orders, to service level agreements, and NLP provides decision makers with a quick way to scan all of this information and produce insights that matter.



Aircraft Maintenance

Information Extraction & Classification

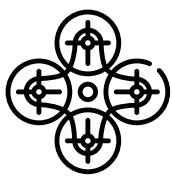
Mosaic can build a capability to identify potential recurring defects on an aircraft that can greatly contribute to increasing the overall fleet availability of any aircraft operator.



Contextual Search for Geological Data

Text Processing

Mosaic built text processing capabilities into a reverse image search application for a large multinational firm to pull all relevant information to geographical locations around the globe, allowing business users to access this information in seconds rather than weeks.



Drone Aircraft Control System

Speech Recognition

Mosaic developed an autonomous planning system using speech recognition and Air Traffic Controller domain supervisory control of an unmanned aircraft in a high-fidelity simulation.



Aviation Safety Report Analysis

Information Extraction

NLP can be used for the analysis of aviation safety reports. Automatic document classification can be deployed with probabilistic modeling to provide an interactive search tool that relies on document similarity, helping users identify hidden trends.



Quantifying Customer Interactions

Sentiment Analysis

Mosaic can help any airline to understand the sentiment of customer service interactions through their call center, social media properties, surveys, and other unstructured text sources. Once the sentiment is identified, Mosaic can quantify how much the negative interaction had on their customer, tying in Lifetime Value metrics to understand just how much a negative experience costs.

Artificial Intelligence Adoption Numbers

47%

of business executives say their companies have embedded at least one AI capability in their business, 21% say they have embedded AI in several business units, and 30% say they are piloting AI, with 20% planning to deploy across in their business in 2019.

70%

of the companies using AI, will obtain capabilities through the cloud, these cloud applications will make it easier for companies to benefit from AI, accelerating adoption and disbursing benefits.

42%

of business leaders point to lack of AI talent & 43% cites lack of clear AI strategy among top challenges in AI adoption.