

Language Processing Use Cases

Provides the ability to turn text or audio speech into encoded, at times structured or even unstructured (emails, slacks, chat logs), information, based on an appropriate ontology.

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<p>Ford (Natural Language Processing)</p> <p>Ford has partnered with Amazon to integrate the Alexa software into its vehicles. The voice-activated, virtual assistant will be able to check things like tire pressure, remote-start the car, or even recommend local coffee shops to visit.</p>	<p>Ocado (Natural Language Processing)</p> <p>Ocado an online supermarket, uses natural language processing to identify the most urgent feedback in customers' e-mails. This helps deepen understanding of customer needs and efficiently automates a business process.</p>	<p>Apple (Natural Language Processing)</p> <p>A few years ago, the team at Apple, led by Acero, took control of Siri's back-end and revamped the experience. It's now based on deep learning and AI, and has improved vastly as a result. Siri's raw voice recognition rivals all its competitors, correctly identifying 95 percent of users' speech. The AI works in two distinct and critical parts of the system: speech-to-text, in which Siri tries to figure out what you said; and text-to-speech, in which Siri speaks back.</p>	<p>Staples (Natural Language Processing)</p> <p>Staples Inc. has developed a mobile application that enables business customers to order office supplies on the move using their voice. Coupling NLP with machine learning equips Staples to provide customers with real-time recommendations based on their historic voice purchases.</p>	<p>Ross Intelligence (Natural Language Processing)</p> <p>Ross Intelligence uses NLP to identify relevant legal information in unstructured data. Rather than using a keyword-driven approach to find important pieces of information, NLP enables Ross Intelligence to analyze documents in different formats to mine the most relevant information..</p>	<p>IBM (Natural Language Processing)</p> <p>IBM Watson Speech to Text API aids understanding of content by converting voice and audio into written text. Alternatively, the IBM Watson Text to Speech service offers an API that uses speech-synthesis capabilities by IBM to arrange text into synthesized text into natural-sounding speech. It supports an array of dialects, voices and languages.</p>	<p>Microsoft (Natural Language Processing)</p> <p>Azure Speech to Text equipped with tone analyzer transcribes audio to text and converts it back to speech for natural responses</p>
<p>Google (Natural Language Processing)</p> <p>Google's Cloud Speech-to-Text enables easy integration of Google speech recognition technologies into developer applications. Send audio and receive a text transcription from the Speech-to-Text API service.</p>	<p>International Criminal Police Organization (Voice Recognition)</p> <p>During criminal investigations, law enforcement agencies often have limited amounts of information and evidence regarding potential suspects. Sometimes they only have audio recordings. Matching a voice to an actual person isn't easy. Or, at least, it wasn't. That may change soon thanks to a voice skills program that Interpol uses to identify suspects when they only have recordings of their voices.</p>	<p>Zia Voice (Voice Recognition)</p> <p>A voice recognition app is, in many cases, essentially a personal assistant. That's the concept driving Zia Voice, an AI/voice skills product designed specifically for sales teams. The AI component of the product can analyze various types of data to provide insights about sales prospects, email sentiment, and individual customer attitudes. The voice recognition feature allows users to easily access that information.</p>	<p>Advokatfirman Nordia (Voice Recognition)</p> <p>Scandinavian law firm NORDIA speeds up document creation times by using speech recognition by Philips SpeechLive. In combination with PocketMemo voice recorders, this helps NORDIA lawyers optimizing their customer service.</p>	<p>U.S. Bank (Voice Recognition)</p> <p>U.S. Bank uses voice biometrics for customers to access account information. Voice biometric software users log in to an application or website by speaking a word or phrase. That word or phrase is compared to a previous recording the customer has made, to verify it's the same user.</p>	<p>IBM (Natural Language Processing)</p> <p>IBM Watson, the computing system smart enough to provide doctors with recommendations for treating cancer, is now ready to assist financial planners to give advice. Watson is a question answering computer system capable of answering questions posed in natural language. It is the simulation of human thought processes in a computerized model, which involves self-learning systems that use data mining, pattern recognition and natural language processing to mimic the way the human brain works.</p>	<p>Barbie (Natural Language Processing)</p> <p>Hello Barbie responds realistically to a child by using natural language processing, machine learning and advanced analytics to parse what the child says and respond accordingly. The doll has a microphone concealed in her necklace that records what anyone says to her and transmits it to the servers at ToyTalk. There, the recording is parsed, analysed, and the correct response selected and sent back for Barbie to deliver — all in under a second.</p>