

AutoML Natural Language uses machine learning to analyze the structure and meaning of documents. You train a custom machine learning model to classify documents, extract information, or understand the sentiment of authors.

- A **classification** model analyzes a document and returns a list of content categories that apply to the text found in the document.
- An **entity extraction** model inspects a document for known entities referenced in the document and labels those entities in the text.
- A **sentiment analysis** model inspects a document and identifies the prevailing emotional opinion within it, especially to determine a writer's attitude as positive, negative, or neutral.

Basic classification, entity extraction, and sentiment analysis are available through the [Cloud Natural Language API \(/natural-language/docs/\)](#). AutoML Natural Language enables you to define custom classification categories, entities, and sentiment scores that are relevant to your application.