

# **Natural language processing (NLP)**

# smart assistants



Amazon Echo



google home

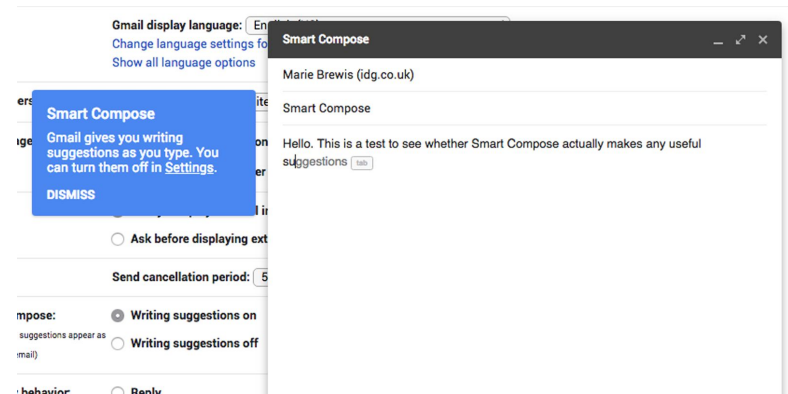
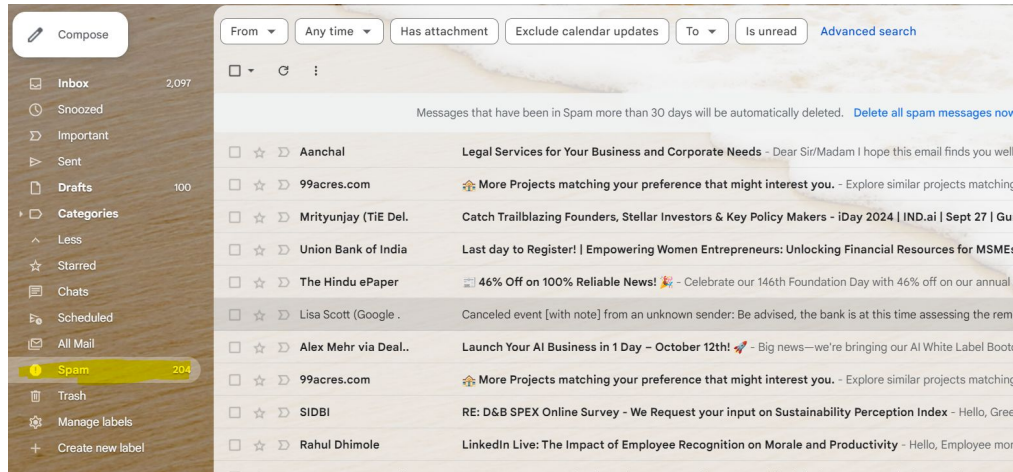


**Natural language processing (NLP)** is a machine learning technology that gives computers the ability to interpret, manipulate, and comprehend human language

# NLP in the Real World

NLP is an important component in a wide range of software applications that we use in our daily lives.

## Core applications:



Email platforms, such as Gmail, Outlook, etc., use NLP extensively to provide a range of product features, such as spam classification, priority inbox, calendar event extraction, auto-complete, etc.

Modern search engines, such as Google and Bing, which are the cornerstone of today's internet, use NLP heavily for various subtasks, such as query understanding, query expansion, question answering, information retrieval, and ranking and grouping of the results,



tonight tonight lyrics smashing pumpkins



#### PEOPLE ALSO ASK

Who sings tonight smashing pumpkins song?

What year was tonight tonight smashing pumpkins released?

Who inspired tonight tonight video?

#### What key was tonight tonight written in?

In the original recording sessions, "Tonight, Tonight" was initially written in C instead of G. However, since Corgan was unable to sing the song in that version during the Mellon Collie recording sessions to suit his range.

Reference: [en.wikipedia.org/wiki/tonight,\\_tonight\\_\(the\\_smashing\\_pumpkins\\_song\)](https://en.wikipedia.org/wiki/Tonight,_Tonight_(the_smashing_pumpkins_song))

[See all results for this question](#)



what is NLP

what is NLP - Google Search

what is nlp in ai

what is nlp training

what is nlp in machine learning

what is nlp therapy

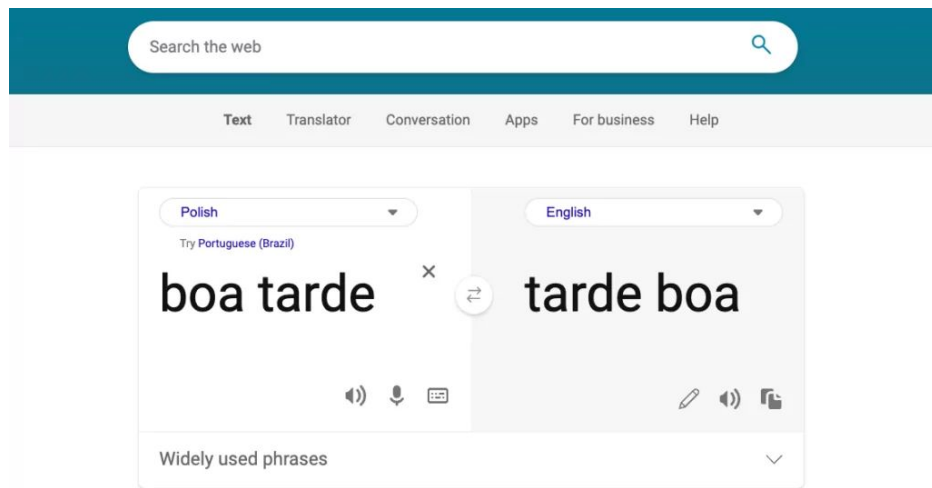
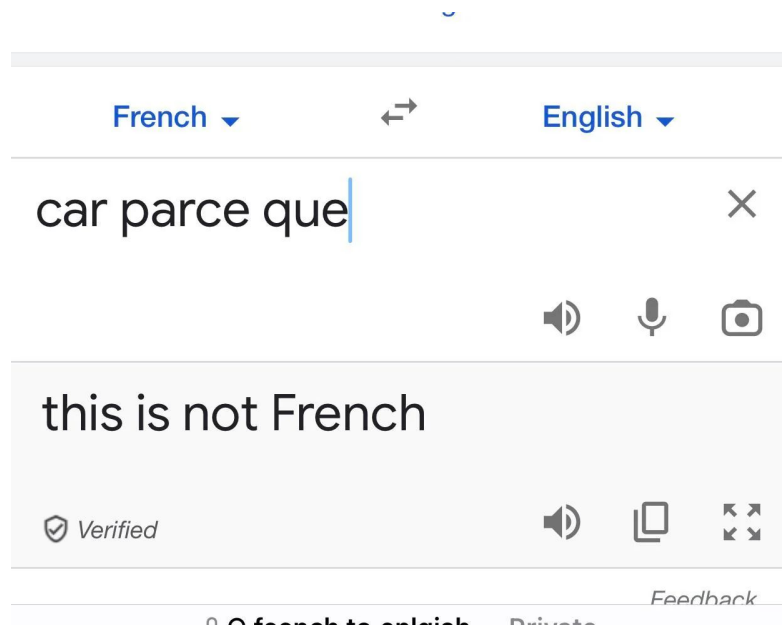
what is nlp coaching

what is nlp in data science

what is nlp used for

what is nlp in python

Machine translation services, such as Google Translate, Bing Microsoft Translator, and Amazon Translate are increasingly used in today's world to solve a wide range of scenarios and business use cases.



- Organizations across verticals analyze their social media feeds to build a better and deeper understanding of the voice of their customers
- NLP is widely used to solve diverse sets of use cases on e-commerce platforms like Amazon. These vary from extracting relevant information from product descriptions to understanding user reviews
- NLP forms the backbone of spelling- and grammar-correction tools, such as Grammarly and spell check in Microsoft Word and Google Docs.
- NLP is used in a range of learning and assessment tools and technologies, such as automated scoring in exams like the Graduate Record Examination (GRE), plagiarism detection (e.g., Turnitin), intelligent tutoring systems, and language learning apps like Duolingo.