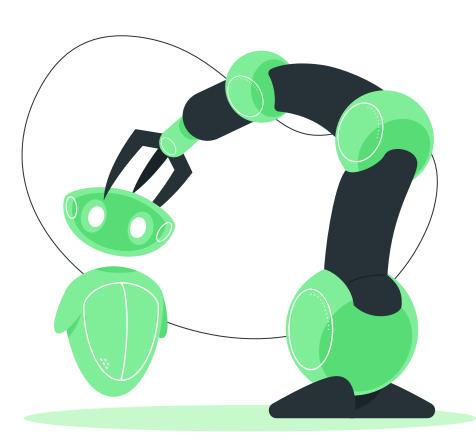
NLP Chatbots

Sebastián García Martínez Junior Data Scientist at BeCode Ghent



Overview



What are chatbots?

And why are they useful?



Why using NLP?

How does it help to improve chatbots?



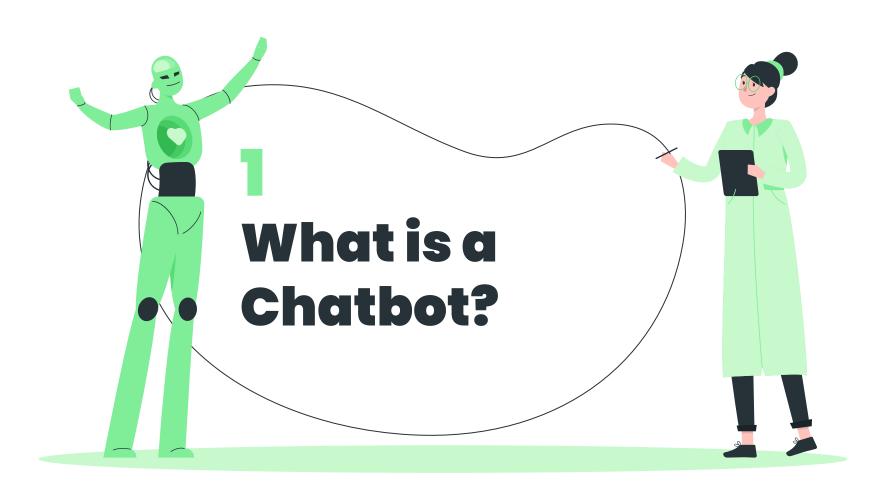
Types of chatbots

Chatbot with AI and without it



Example and demo

Development of an NLP chatbot



Chatbot

- Simulates human conversations
- Interaction human-machine
- Through messages or voice

Outcome



Increased sales and productivity



Time savings and efficiency

Why are chatbots useful?



Handle repetitive questions



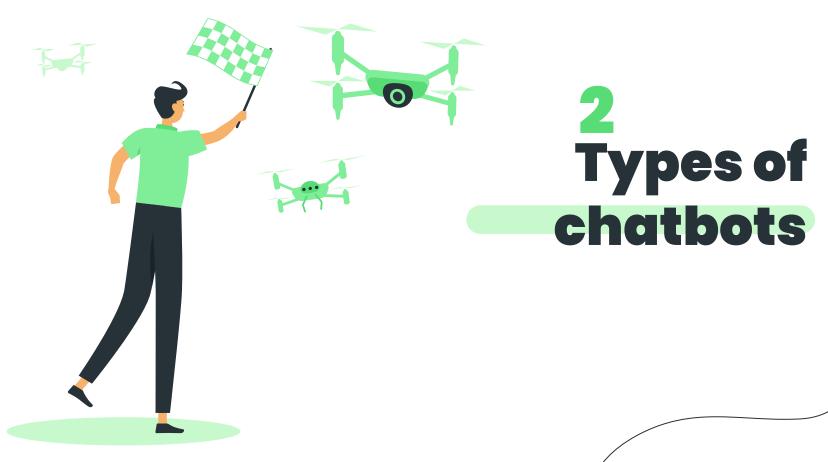
Provide additional information to customers



Virtual assistance

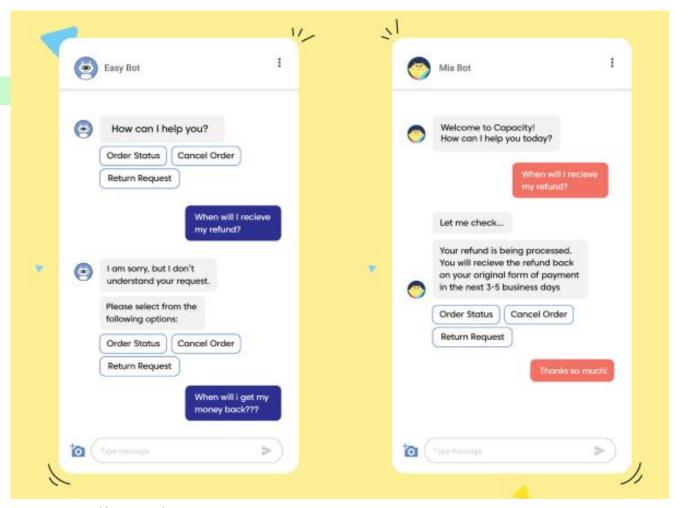
Where are they used:

- Retail
- E-commerce
- Healthcare
- Banking & Insurance



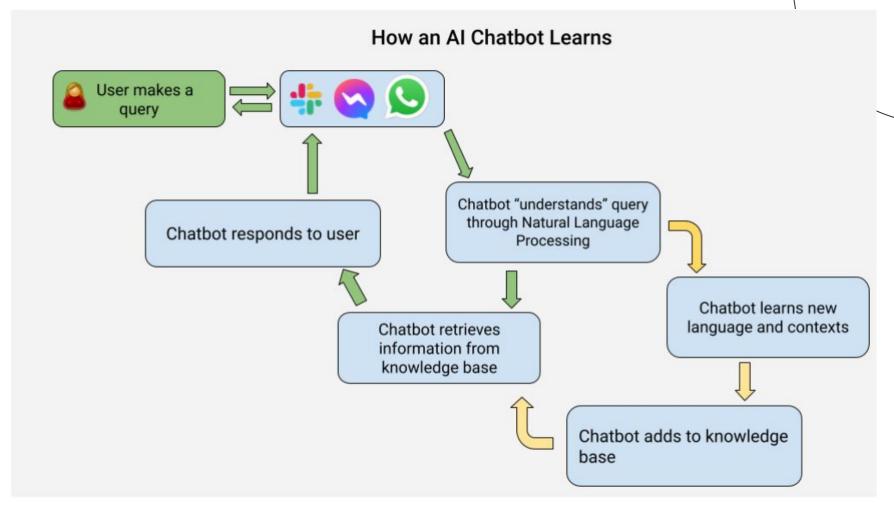
Rule-based

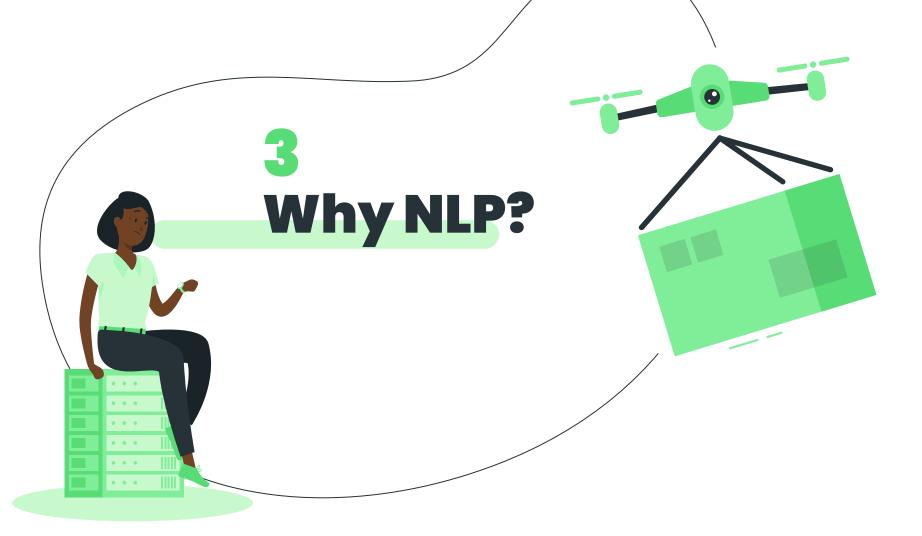
- Follows a diagram of mapped out conversations to resolve problems.
- Can replace FAQs
- Cheaper and faster to build.
- Cannot answer questions that are outside the decision tree.



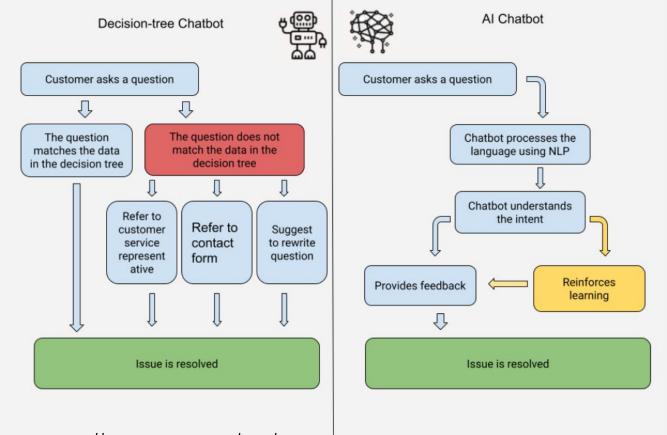
Al chatbots

- Uses natural language processing (NLP) to understand the various ways that a person might ask the same question.
- Can identify user intent, not restricted by what is contained in a decision tree.
- Deliver better end-user experience
- Need to be trained

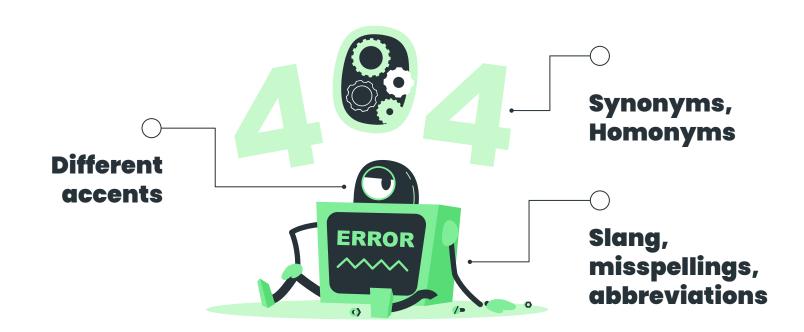


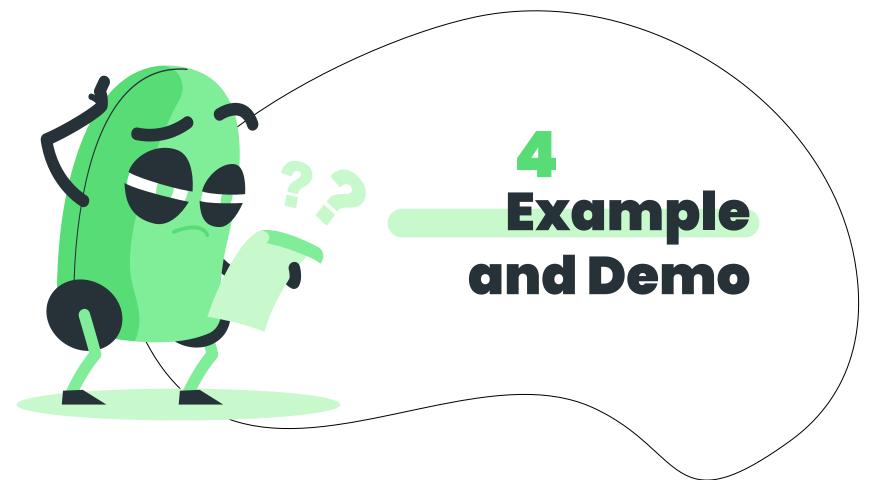


How a Chatbot Makes Decisions



Challenges using chatbots





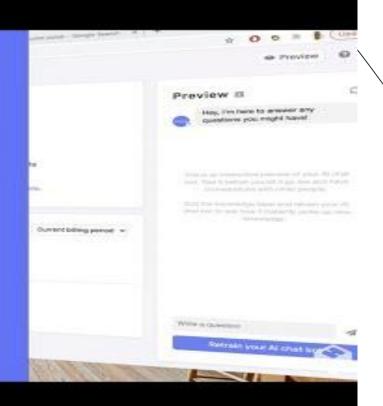
Quickchat

- GPT-3 chatbot
- Multilingual
- Customer support
- No code, only custom knowledge base



How to build an Al Assistant in 10 minutes

by Quickchat



Demo-Alchatbot





Al Chatbot: Barrilete

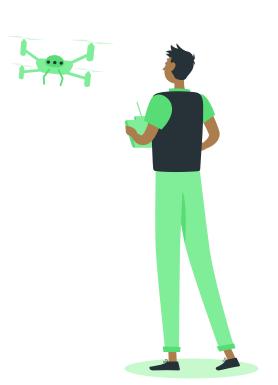
The chatbot that tells you all the interesting facts about Colombia

Thanks for your attention!

Do you have any questions?



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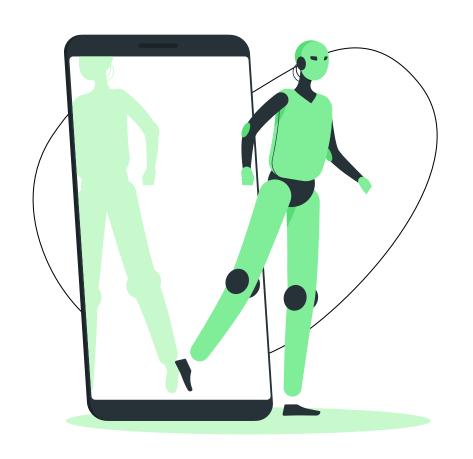


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Thanks!

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