

Sentiment Analysis Without Machine Learning

Explore Eliza

Unit Learning Goals

You will be able to:

- Write and run a program in Google Colab Notebook
- Write a program using conditionals
- Write a program that iterates through a list
- Write a program that stores input in a variable to be used later
- Write a program that sends information to the screen
- Write a program that changes numbers stored in variables.
- Debug a program that does all of the above

What is NLP good at?
What isn't it good at?
Why?

Chatbots

- **Chatbots:** Programs that understand what people are saying and respond
- Ida, which we discussed earlier, was a chatbot.
- One of the first notable chatbots to do this was Eliza, which we will play with here.

Eliza

- Created 1964-1966
- One of the first chatbots
- Pattern-matches an answer based on the start of what you said.
- Built to mimic the kind of therapist that just says back to you what you said to them.
- For it's time, it was very impressive

ACTIVITY SLIDE

- Visit <http://psych.fullerton.edu/mbirnbaum/psych101/Eliza.htm>
- Have a conversation with Eliza
 - Try to make her say something that doesn't make sense
 - What sorts of questions trip her up?
 - What sorts of questions is she good at?
 - Would you believe she was a person?

DISCUSSION

- What sort of questions did Eliza answer in a way that made sense?
- What wasn't she able to do?
- Does Eliza seem like AI? Why or why not?