

# Agenda

- Introduction
- What is Natural Language Processing
- A Brief History of NLP
- My Project: Reverse Mad Libs Game
- Resources used
- Questions

#### What is Reverse Mad Libs?

- A twist on the popular game
- Player one is asked for a list of arbitrary words
- Player two inserts the words into a story
- Player one typically does not see the story until the words are filled in
- Machine uses NLP Algorithms to predict the missing words

# Project Resources

Python – primary implementation Language

Pytorch - Python package for Data Science

Bert – Python NLP Package developed by Google

Tkinter – PythonPackage for GUI development

# Natural Language Processing

- An attempt to meld human language with computer language.
- Teach a computer how to converse with a human
- Recognize human language
- Computer converse with human



Bert image — sesame street

https://medium.com/@noa.kel/using-bert-with-pytorch-b9624edcda4e

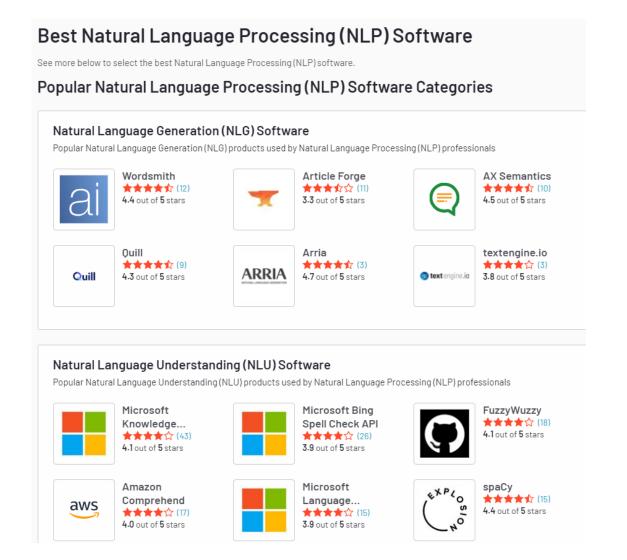
# Not this Bert

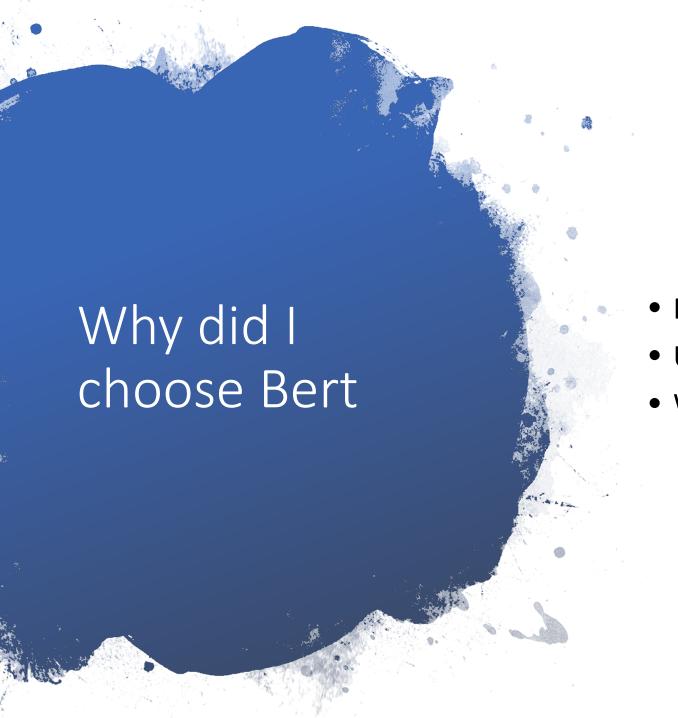
## Bert (Bidirectional Encoder Representations from Transformers)

- Bi-directional processing
- Transformer

## What is BERT?

### Other NLP Resources





- Ease of installation and use
- Unique Parsing Facility
- Works well with Python