

# Sentiment Analysis With Machine Learning

Review

Credit to this [article](#) for activity idea

# Unit Learning Goals

You will be able to:

- Use TextBlob (a Python library for NLP) to find the sentiment of an article online
- Explain what bias machine learning sentiment analyzers might have.
- Describe the advantages and disadvantages of machine learning over AI that is not using machine learning

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

# ACTIVITY SLIDE

- Remember how to install newspaper3k? Look at your previous notebook!
  - Open a new Python3 notebook
  - Install newspaper3k
  - Load the newspaper3k library
  - Load nltk and textblob as well

# ACTIVITY SLIDE

Remember the article object!

- Create an object of type article with the article you want to use
- Download the article
- Parse it
- Get ready to do Natural Language Processing things to it.
- Save the summary of it in a variable
- Print the summary.

# ACTIVITY SLIDE

TextBlobs are like strings that you can do Natural Language Processing with.

- TextBlob is the name of a class.
- You start it with the string you want to create the Textblob from.
- How can we create a text blob object called “obj” from the summary of the article?