

→ sentences = nltk.sent\_tokenize(paragraph)

(2)

## Stemming & Lemmatization

### Stemming

History → Histori  
Historical → historical  
words to their  
word stem

Process of  
Producing infected  
history → history .  
historical → historical  
word stem

Lemmatization (meaning full word)

finally → fina  
final → final  
finalized → finalized

going → go

goes → go

gone

### Sentiment Analysis

### chatbots

response:

→ because it gives meaningful