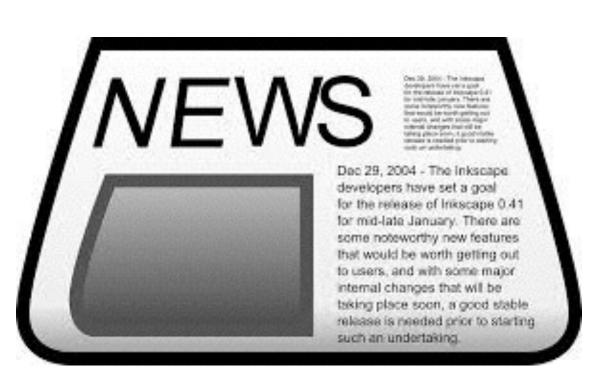
## Applied Text Mining in Python

Introduction to Text Mining



Text is Everywhere!

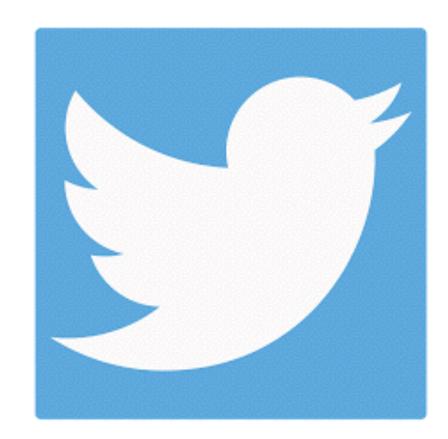












## Text data is growing fast!

- Data continues to grow exponentially
  - Estimated to be 2.5 Exabytes (2.5 million TB) a day
  - Grow to 40 Zettabytes (40 billion TB) by 2020 (50-times that of 2010)
- Approximately 80% of all data is estimated to be unstructured, text-rich data
  - >40 million articles (5 million in English) in Wikipedia
  - >4.5 billion Web pages
  - >500 million tweets a day, 200 billion a year
  - >1.5 trillion queries / searches on Google a year



Author

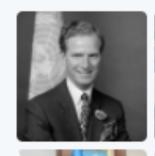
Description

Location





3,008 Photos and videos















"Ethics are built right into the ideals and objectives of the United Nations" #UNSG @ NY Society for Ethical Culture bit.ly/2guVelr



UN Spokesperson @UN\_Spokesperson · 23h

Ban on Amb.Joseph V. Reed: The UN family is fortunate to have had such a wonderful supporter, wonderful leader. bit.ly/2gFU1yp

## Tweet

- Topic
- Sentiment

Time

Popularity

## So, what can be done with text?

- Parse text
- Find / Identify / Extract relevant information from text
- Classify text documents
- Search for relevant text documents
- Sentiment analysis
- Topic modeling
- •