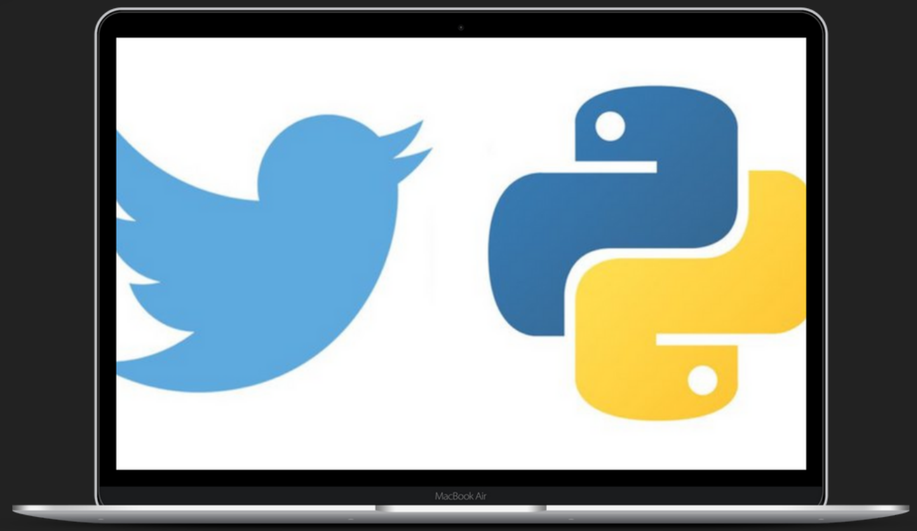
IN NAVY BLUE, WE TRUST

TWEETER INTERIM PROJECT REPORT



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Agenda

1. Goals
2. Pipeline
3. Technical Details and Difficulties
4. Explanation on Tools
5. Demo Time
6. Q&A

GOALS

Use python to scrap tweets with keyword: #ANYWORD

- Collect tweets from ANY time interval
- Make analysis on tweet data

Pipeline

Communicate and consider our users requirement

Scrape tweets base on the time period

Store the tweet data into SQL Database

Make analysis on tweet data

Technical Details and Difficulties

Historical Data
v.s.
Filtered Stream

Selection on
Sentiment
Analysis Tool

Limitation on
Scraping
Million of
data
...
Airflow
(Developing)

Automatic
Time
Selection

Tool for scraping- snscrape

1

3rd Party Scraper

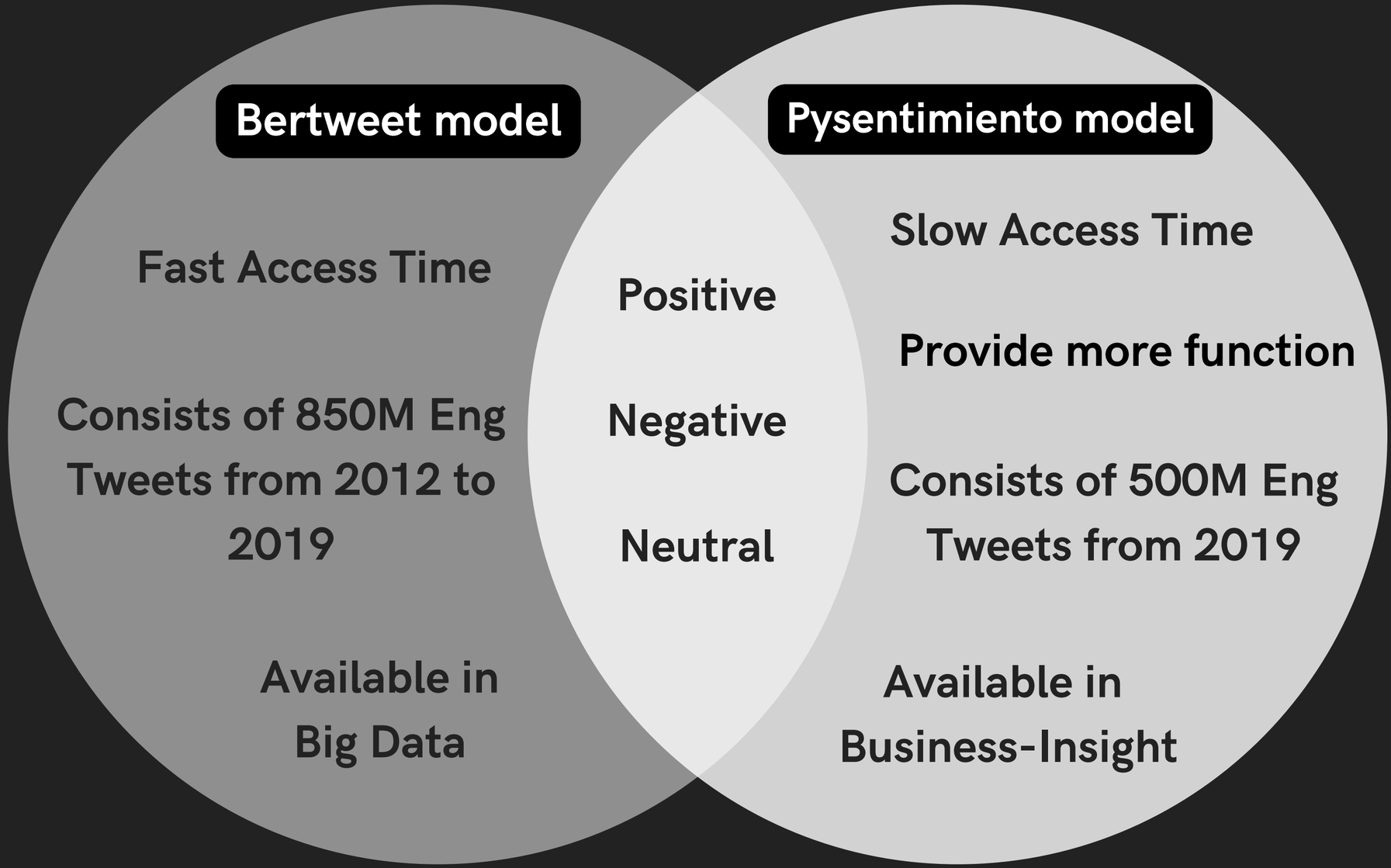
2

Unlimited Volume

3

Self-define Time Interval

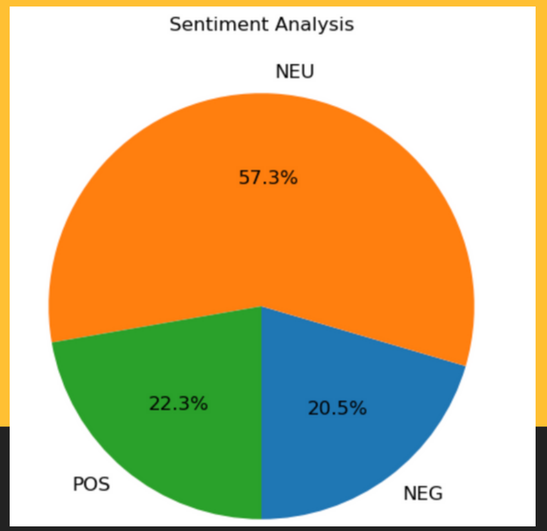
Tool for Sentiment Analysis - Transformer



Tool for plotting graph- matplotlib

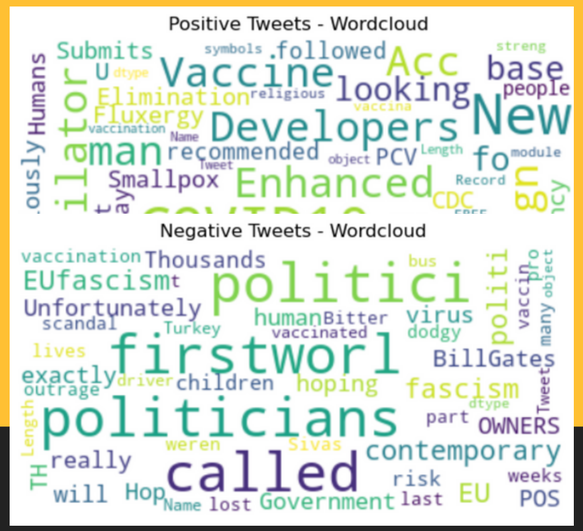
1

Piechart



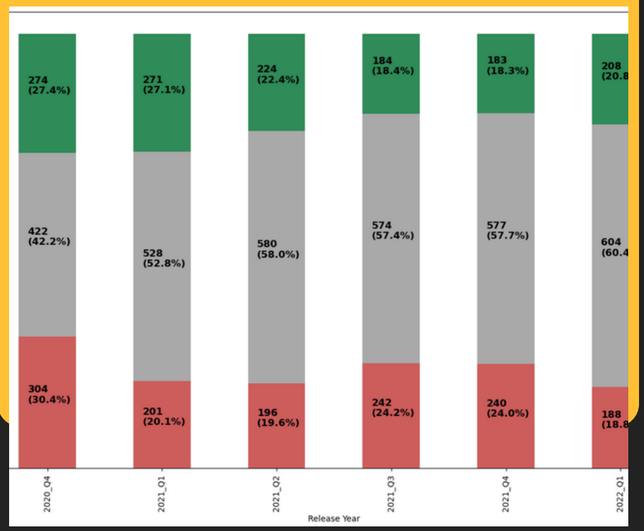
2

WordCloud



3

100% stacked column chart



Demo

Credit to

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SOFTWARE.

- Janny
  - Random day selection
  - Auto-create schema
- Marco
  - SQL Database Engine

@inproceedings{perez2022robertuito,
  author   = {Pérez, Juan Manuel and Furman, Damián Ariel and Alonso Alemany, Laura and Luque, Franco M.},
  title   = {RoBERTuito: a pre-trained language model for social media text in Spanish},
  booktitle = {Proceedings of the Language Resources and Evaluation Conference},
  month   = {June},
  year   = {2022},
  address   = {Marseille, France},
  publisher = {European Language Resources Association},
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  url   = {https://aclanthology.org/2022.lrec-1.785}}

TIME TO
Q&A