




Data Pipeline To Track the Sentiment of the Twitter Conversation Surrounding the Covid-19 Vaccine in the United States

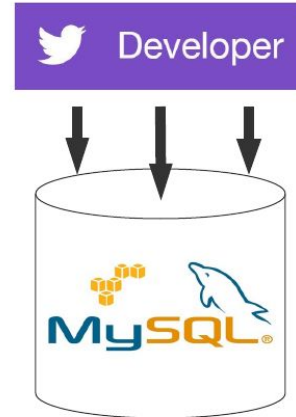
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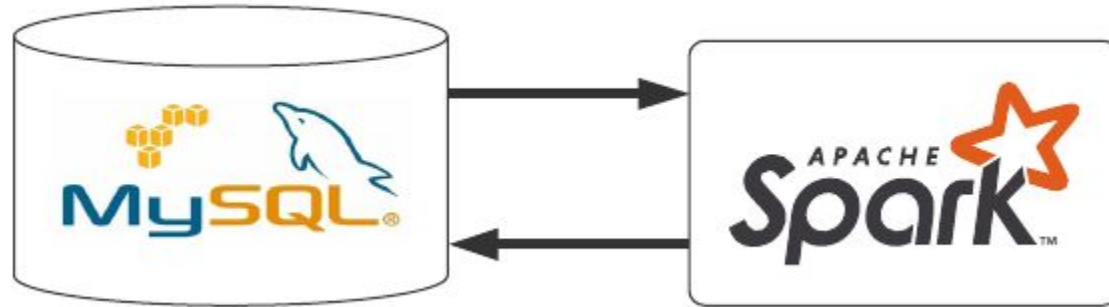
Data Pipeline is created with Apache Airflow that automates programs written in Jupyter Notebook.


Relevant tweets are streamed from Twitter's API into an AWS MySQL database.

“Covid-19 Vaccine”



The data gets cleaned with Apache Spark,
then returned to the MySQL database

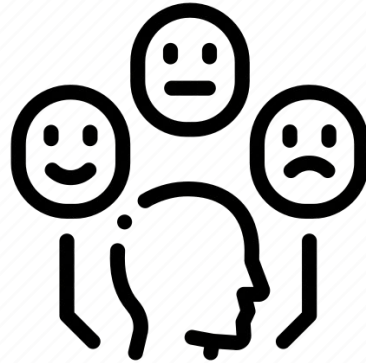




Natural Language Analysis in Python NLTK
scans the words in each tweet, deciding
whether it is positive, negative or neutral.



Natural Language Analysis
with Python NLTK



Sentiment information is added to the dataset, then the dataset is divided four ways based on region to generate data visualizations with Matplotlib and Word Cloud and [Tableau](#).

