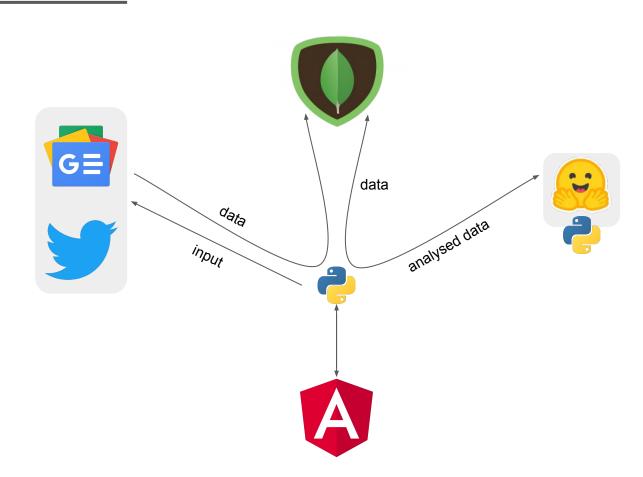


# **TweetSense**

**Sentiment Analysis** 

Data Engineering: Marjory QUENE, Rania RAKEZ, Data Science: Tristan PREVOT, Hugo PREVOTEAU, Web Development: Zinedine NAIT HAMMOU, Florent POUX

# Workflow

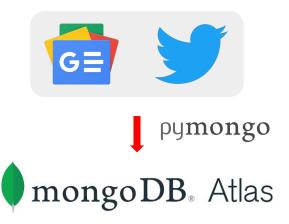


# Scrapping



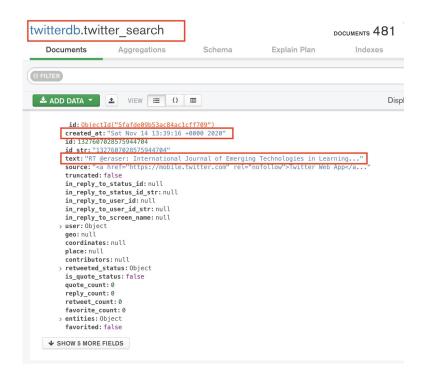


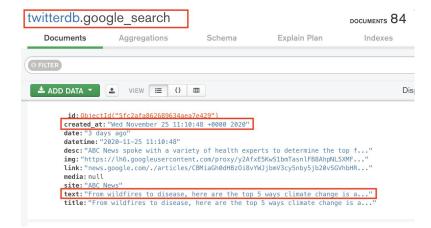
# MongoDB Atlas



- 500MB
- scalable cluster sizes

## MongoDB Atlas



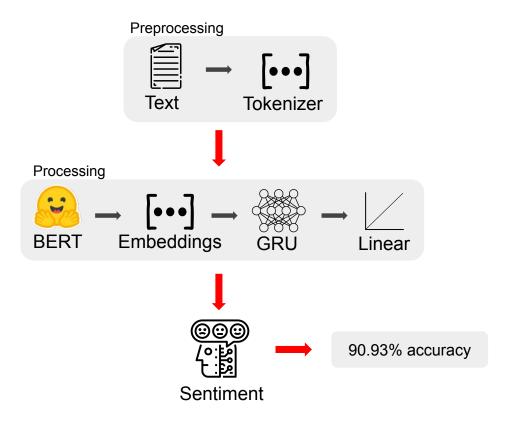


# Code

scrappingTweetsAndGoogleNewsWithConfig.py

Config.json

# **BERT:** fine tuning



# CODE

# **Angular 10**



Open-source



Maintained



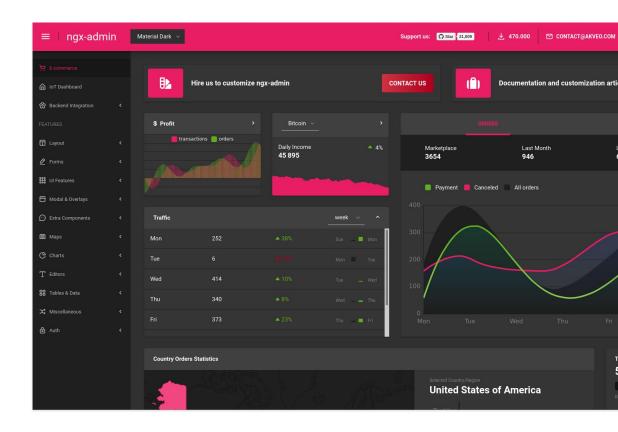
Stable



**Efficient** 



Documented



## **Production**



#### SSL Report: tweetsense.flowp.eu (134.209.236.0)

Assessed on: Fri, 04 Dec 2020 16:03:18 UTC | Hide | Clear cache

Scan Another >>



#### Found 2 open ports (1 host)

<u> </u>			
> tweetsense,flowp.6	eu		
Port Number	State	Service Name	
● 80	open	http	
• 443	open	https	

# Demonstration

## State of the Art: databases







Enqing Tang et al.: Performance Comparison between Five NoSQL Databases (2016)

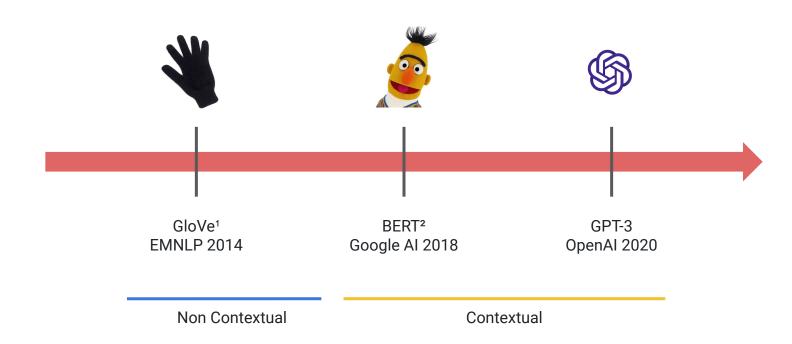
# MongoDB Atlas: pricing







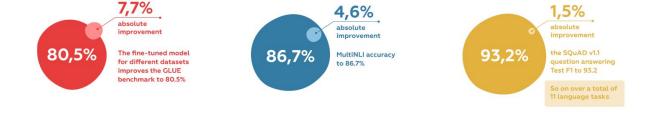
## State of the Art: NLP

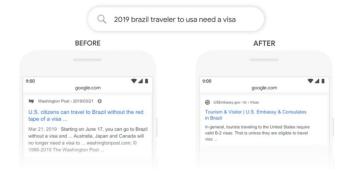


<sup>&</sup>lt;sup>1</sup> Jeffrey Pennington et al.: "GloVe: Global Vectors for Word Representation"

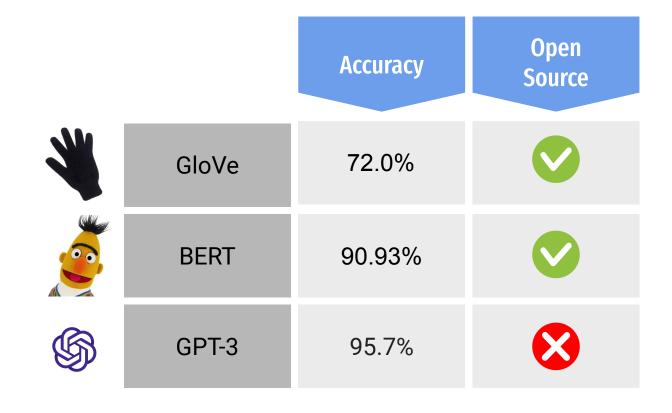
<sup>&</sup>lt;sup>2</sup> Jacob Devlin et al.: BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding

# **BERT:** pros





## **IMDB Benchmark**



Explore	Create	Build	Scale
Free	\$100/mo	\$400/mo	Contact Us
100K tokens Or 3-month trial Whichever comes first	2M tokens/mo 8 cents per additional 1k tokens	10M tokens/mo 6 cents per additional 1k tokens	Connect with our team for access to pricing that fits your needs: support@openai.com
<ul><li>API Playground</li><li>Developer Slack</li></ul>	<ul><li>API Playground</li><li>Developer Slack</li><li>Priority Support</li></ul>	<ul><li>API Playground</li><li>Developer Slack</li><li>Priority Support</li></ul>	



# Thank you for your attention

Questions?

# Architecture

