

Venezuela

Edition: 001

A failed socialist-state



12/17/2021

>5,900,000

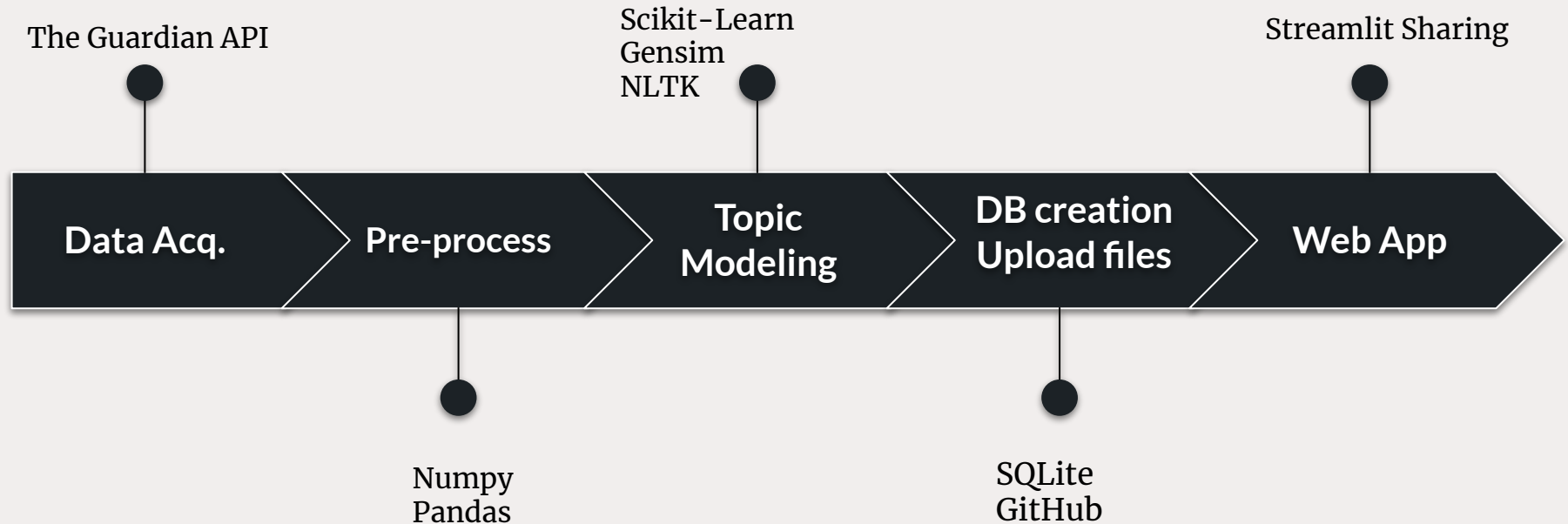
Population: 28M

Intro



- Venezuela went from paradise to hell in two decades.
- We will aim to understand how **it happened** by using NLP techniques.

Pipeline



API Data

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Basic pre-processing



'<p>Venezuela said yesterday that it might ask the US to extradite the tele-evangelist Pat Robertson for suggesting American agents should kill its president, Hugo Chávez.</p> <p>Speaking at a meeting of the Organisation of American States, Mr Chávez said Venezuela would "exercise legal action in the US" against Mr Robertson.</p> <p>The

Cleaning layer

'Venezuela said yesterday that it might ask the US to extradite the tele-evangelist Pat Robertson for suggesting American agents should kill its president, Hugo Chavez. Speaking at a meeting of the Organisation of American States, Mr Chavez said Venezuela would "exercise legal act

Topic Modeling

Topic Period	1	2	3	4	5
1999-2004	general strike, state oil	new constitution, peaceful revolution	fidel castro, anti castro	qualify finals, beat uruguay	pedro carmona, white house
2004-2009	george bush, venezuelan president	land reform, radio television	human right, simon bolivar	public service, limit term	colombia farc, revolutionary arm
2009-2014	henrique capriles, nicolas maduro	socialist revolution, president hugo	unite state, south america	socialist revolution, national guard	national assembly, oil revenues
2014-2017	recall referendum, oil price	human right abuse, latin america	late president, president hugo	price control, black market	leopoldo lopez, opposition leader
2017-2021	donald trump, juan guaido	work class family, sanction maduro	import food medicine, black market	sign morning, brief deliver	supreme court, constituent assembly



“A picture is worth a thousand words”

Result – Web App

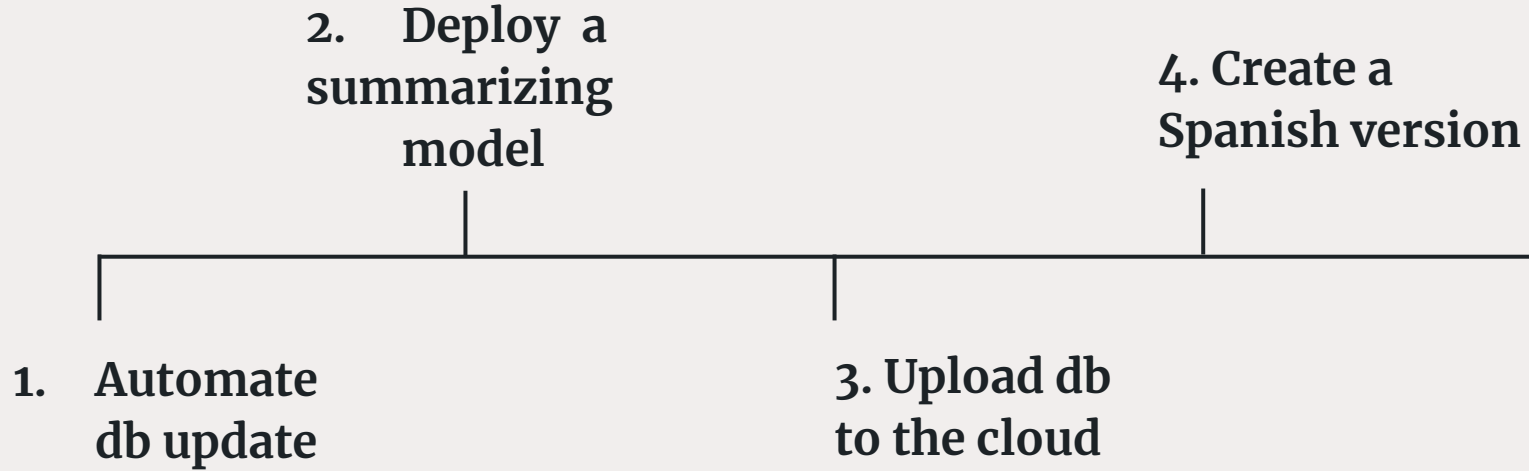
Beta version



Takeaways

- Topic modeling is a powerful analysis tool of vast amounts of text content
 - General strike, new constitution, socialist revolution, etc.
- Domain expertise is required to fine tune.
- Streamlit is convenient and easy, but...

Future Work



Thanks



CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**

Appendix

References

<https://unsplash.com/photos/cgwK0waZ-ss>

<https://open-platform.theguardian.com/documentation/search>

<https://www.unhcr.org/en-us/venezuela-emergency.html>

<https://www.macrotrends.net/1369/crude-oil-price-history-chart>