

Election Campaign Dynamics

Updates, Website, Future additions

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OUTLINE

1. Updates

2. Website

3. Future additions

Updates

UPDATES

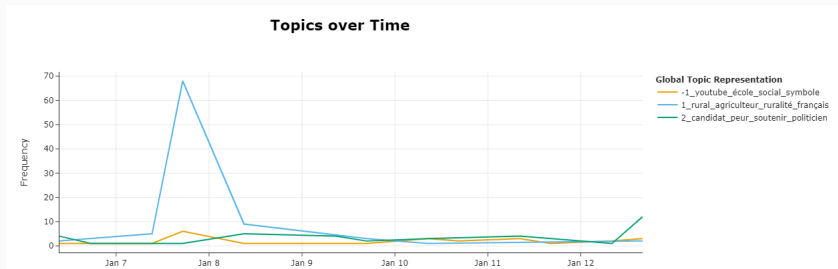
- Updates for the YouTube Dataset
 - youtube corpus creation available for the website
 - regrouped 1-minute speech split into each minute

video_title	video_id	video_description	upload_date	duration	time_caption	transcript
Discours de Marine Le Pen à Fréjus	KbvDa-sHATk	http://www.adhesions-rn.fr http://www.m...	2021-09-13 08:33:58	39:56	0 days 00:35:04	contemporains nous devons notre liberté à des ...
Discours de Marine Le Pen à Fréjus	KbvDa-sHATk	http://www.adhesions-rn.fr http://www.m...	2021-09-13 08:33:58	39:56	0 days 00:36:04	les défenseurs d'une france libre et du monde ...
Discours de Marine Le Pen à Fréjus	KbvDa-sHATk	http://www.adhesions-rn.fr http://www.m...	2021-09-13 08:33:58	39:56	0 days 00:37:04	beaucoup progressé et nous sommes devenus un p...
Discours de Marine Le Pen à Fréjus	KbvDa-sHATk	http://www.adhesions-rn.fr http://www.m...	2021-09-13 08:33:58	39:56	0 days 00:38:04	direction du rassemblement national j'y vois l...

TOPIC MODELING

Twitter Data

- Pipeline is finalized
- Extracted topics for each candidate over time are mostly relevant
- The idea of combining keyword/phrase extraction helped with both time and quality of the topics (KeyBert implementation & BERTopic customization)
- Visualizations are not accessible on the website yet



TOPIC MODELING

YouTube Data

- Data is collected for single points in time
- Topics are not developed in the same way
- One set of topics are extracted for each video
- Further homogenization is necessary

0	(liberté, 0.09850522571392928)
1	(français, 0.09086080184389049)
2	(française, 0.05144703652826476)
3	(france, 0.04636301538928017)
4	(libertés, 0.03554059112444311)
5	(référendum, 0.02971860287831074)
6	(souveraineté, 0.023532534604490035)
7	(européenne, 0.023532534604490035)
8	(nationale, 0.023532534604490035)
9	(talibans, 0.01685684374624455)

Website

UPDATES

- Updates for the website

Create Election Corpus:

<input type="text" value="Jean-Luc Melenchon"/>		<input type="text" value="@ Youtube Video Url"/>	
From <input type="text" value="06.01.2022"/>	To <input type="text" value="13.01.2022"/>	<input type="button" value="Download"/>	
<input type="button" value="Download"/>	<input type="button" value="Show"/>		

UPDATES

- Updates for the website



Nicolas Dupont-Aignan
Anne Hidalgo
Yannick Jadot
Jean Lassalle
Marine Le Pen
✓ Jean-Luc Melenchon
Philippe Poutou
Christiane Taubira
Anasse Kazib
Fabrice Grimal
Pierre Larrouturnou
Antoine Waechter
Emmanuel Macron
Valérie Pécresse
Antoine Martinez
Florian Philippot
Eric Zemmour
Marie Cau
Clara Egger
Alexandre Langlois
HélèneThouy

ction Corpus:



Youtube Video Url

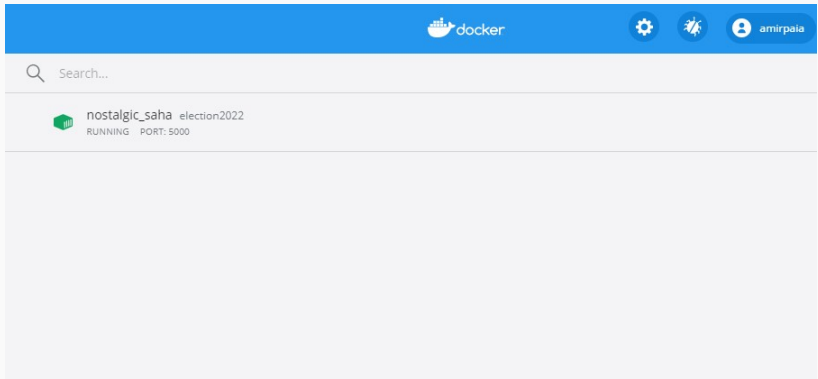
Download

WEBSITE WITH FLASK

- Previous Plan: Using two services in C# and Python, which talk together (It has unnecessary complexity)
- Now: we developed the same website with Python Flask

BUILDING DOCKER IMAGE

A docker image has been built locally



Election2022

DEPLOYMENT ON AZURE

Docker image can be easily pushed and deployed into Azure

The screenshot displays the Microsoft Azure portal interface for an App Service named 'france2022'. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and a user profile icon. The main content area is divided into a left sidebar and a central pane. The sidebar lists various management options under the 'Overview' section, including 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Security', 'Events (preview)', 'Deployment', 'Quickstart', 'Deployment credentials', and 'Deployment slots'. The central pane shows the 'Essentials' tab, which provides a summary of the App Service's configuration. This includes the Resource group (amirpaia_rg_Linux_southcentr...), Status (Running), Location (West Europe), Subscription (Azure subscription 1), Subscription ID (2f82af9b-1904-49d8-9b97-39...), URL (https://france2022.azurewebs...), App Service Plan (ASP-amirpaiargLinuxsouthce...), FTP/deployment username (No FTP/deployment user set), FTP hostname (ftp://waws-prod-am2-497.ftp...), and FTPS hostname (ftps://waws-prod-am2-497.ft...). A 'JSON View' link is also present in the top right of the Essentials section.

Essentials	
Resource group (Move)	: amirpaia_rg_Linux_southcentr...
Status	: Running
Location	: West Europe
Subscription (Move)	: Azure subscription 1
Subscription ID	: 2f82af9b-1904-49d8-9b97-39...
URL	: https://france2022.azurewebs...
App Service Plan	: ASP-amirpaiargLinuxsouthce...
FTP/deployment username	: No FTP/deployment user set
FTP hostname	: ftp://waws-prod-am2-497.ftp...
FTPS hostname	: ftps://waws-prod-am2-497.ft...
Tags (Edit)	: Click here to add tags

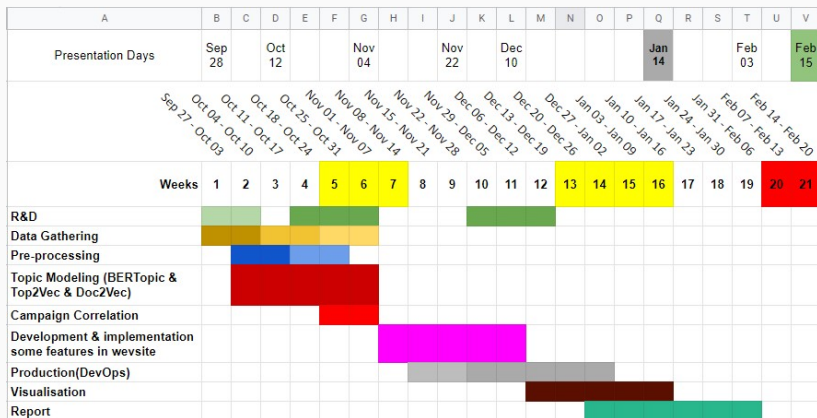
VISUALIZASION

Bringing the abilities of Matplotlib and Plotly into the browser by creating an HTML file ([Click Here](#))

In the next presentation, we will connect this possibility to the candidate names

Future additions

TIMELINE



Thank you!