Election Campaign Dynamics

Updates, Website

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January 14, 2022

OUTLINE

1. Updates

2. Website

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\n👉 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\n👉 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\n👉 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\n👉 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

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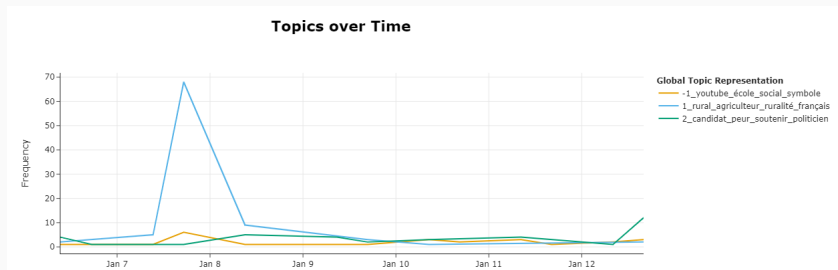
TOPIC MODELING

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:

| Jean-Luc Melenchon ⌄ |

From
06.01.2022

To
13.01.2022

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@ Youtube Video Url

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UPDATES

- Updates for the website

...ction Corpus:

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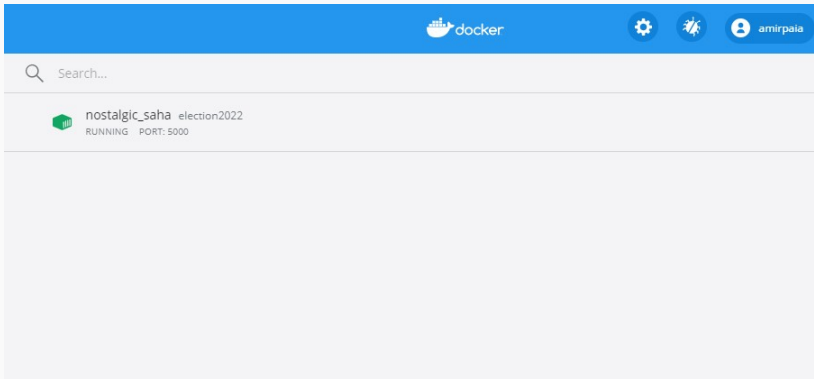HélèneThouy

@ Youtube Video Url

Download

DOCKER IMAGE AND DEPLOY

- Creating the dockerfile
- Building the docker image
- Tagging the docker image on ACR (Azure Container Registry)
- Pushing the tagged docker image to be deployed

DOCKER IMAGE HAS ALREADY BEEN BUILT

A docker image has been successfully built

Election2022

DEPLOYMENT ON AZURE

Docker image can be easily pushed and deployed into Azure

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

TIMELINE

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
Presentation Days	Sep 28		Oct 12			Nov 04			Nov 22		Dec 10					Jan 14			Feb 03		Feb 15
	Sep 27 - Oct 03	Oct 04 - Oct 10	Oct 11 - Oct 17	Oct 18 - Oct 24	Oct 25 - Oct 31	Nov 01 - Nov 07	Nov 08 - Nov 14	Nov 15 - Nov 21	Nov 22 - Nov 28	Nov 29 - Dec 05	Dec 06 - Dec 12	Dec 13 - Dec 19	Dec 20 - Dec 26	Dec 27 - Jan 02	Jan 03 - Jan 09	Jan 10 - Jan 16	Jan 17 - Jan 23	Jan 24 - Jan 30	Jan 31 - Feb 06	Feb 07 - Feb 13	Feb 14 - Feb 20
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
R&D																					
Data Gathering																					
Pre-processing																					
Topic Modeling (BERTopic & Top2Vec & Doc2Vec)																					
Campaign Correlation																					
Development & implementation some features in wevsite																					
Production(DevOps)																					
Visualisation																					
Report																					

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Thank you!