

Election Campaign Dynamics

Project presentation, existing approaches, tasks and challenges

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OUTLINE

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Motivation

ELECTION 2022

Political campaigns are important moments for political personalities, political parties, and their campaigners as well. During this period, arguments, ideas and topics flow between the candidates, and one can wonder how the discourse of a campaign is constructed. This way, one can understand the main campaign focus points, its key topics, their life-cycle and how they evolve during campaigns. Political speeches, during campaign season are known for being formulaic and repetitive. What could we learn by looking for patterns in the way the speeches change over the course of the campaign? For this project, we are preparing to look at the campaign evolution of the 2022 France Presidential election candidates.

COMPARING CAMPAIGNS

Example: Primary elections of the Green Party (source: Le Monde)

Les grands thèmes de campagne :

Lutte contre le changement climatique Décroissance Nucléaire
 Transformer l'économie Alimentation Protection des animaux Transports
 Fiscalité Pouvoir d'achat Travail Ecole Institutions Laïcité Immigration
 Légalisation du cannabis Vaccination contre le Covid Positionnement politique

Nucléaire

C'est une question sur laquelle les écologistes n'ont pas toujours été du même avis. Pour la primaire de 2021 en revanche, ils sont tous d'accord sur la nécessité de cesser d'utiliser cette source d'énergie.



Delphine Batho

Prône une sortie du nucléaire « à terme, mais aujourd'hui, ce n'est pas possible ».

Source : bfmvtv.com



Jean-Marc Gatornatori

Envisage une sortie du nucléaire « quand on pourra, ça peut être dix ans, ça peut être trente ans ».

Source : reporterre.net



Yannick Jadot

QUALIFIÉ 2nd TOUR

Souhaite une sortie du nucléaire « de manière responsable, c'est-à-dire sur quinze ou vingt ans ».

Source : francetvinfo.fr



Eric Piolle

Souhaite une sortie du nucléaire : « En 2050, le nucléaire ne doit plus faire partie de la photo. »

Source : leparisien.fr



Sandrine Rousseau

QUALIFIÉE 2nd TOUR

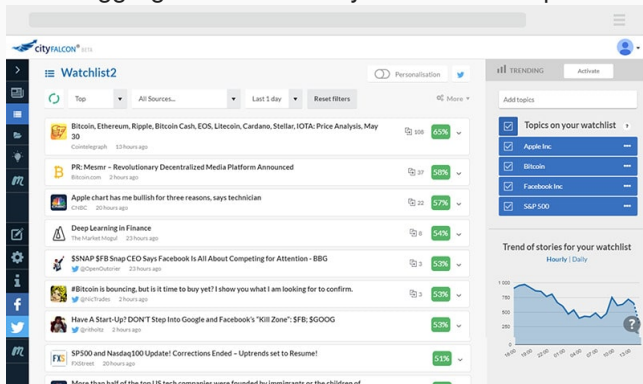
Souhaite sortir du nucléaire « le plus rapidement possible ».

Source : @sandrousseau

Related Works

COMMERCIAL EXAMPLES

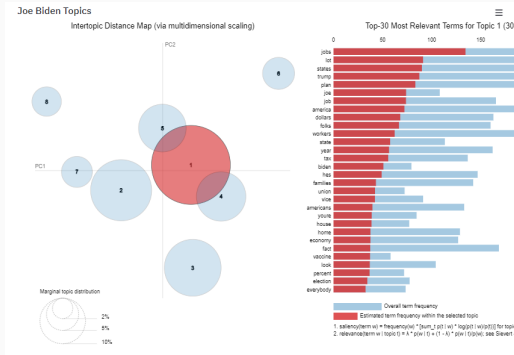
- ◇ Associated Press (AP) story summaries, Automated Stories, Real-time transcription)
- ◇ News Aggregator such as CityFalcon and SwipeNews



- ◇ Samdesk (Real-time crisis alerts)

RESEARCHES

- ◇ Finding the narrative by social media corpora on US Presidential Election 2016
- ◇ The 2020 US Presidential Election Campaign Speeches



- ◇ Argument Mining: Extracting Arguments from Online Dialogue

Ideas to approach this Subject

OVERALL TASKS

- ◇ Real time data gathering
- ◇ Data analysis and campaign main topic extraction
- ◇ Temporal trends and inter-campaign correlation identification
- ◇ Summarizing and visualization

NLP TASKS

- ◇ Text preprocessing & cleaning
- ◇ Context Analysis
- ◇ Argument Mining
- ◇ Temporal distribution of the topics

CHALLENGES

Data

- ◇ Collecting data from scratch
- ◇ Twitter API, YouTube API ...
- ◇ Legal issues
- ◇ Inter-campaign correlation identification

GITHUB REPO

The screenshot shows a GitHub repository page for 'election-campaign-dynamics' by user 'amirpaia'. The repository is public. The main branch is 'main', with 1 branch and 0 tags. The repository has 3 commits, the latest being 'Update README.md' 3 hours ago. The commit history shows three entries: 'LICENSE' (Initial commit, 3 hours ago), 'README.md' (Update README.md, 3 hours ago), and 'Update README.md' (3 hours ago). The README file is selected, showing the title 'election-campaign-dynamics' and a paragraph of text. The right sidebar contains sections for 'About' (No description, website, or topics provided), 'Releases' (No releases published), and 'Packages' (No packages published). The 'About' section also shows the license as 'CC0-1.0 License'. The 'Releases' section has a link to 'Create a new release'. The 'Packages' section has a link to 'Publish your first package'.

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main 1 branch 0 tags Go to file Add file Code

Commit	Message	Author	Time	Commits
35f7de1	Update README.md	amirpaia	3 hours ago	3 commits
	LICENSE	Initial commit	3 hours ago	
	README.md	Update README.md	3 hours ago	

README.md

election-campaign-dynamics

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Thank you!