

Fake News Detection Using Machine Learning

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Introduction

1. Expliquer l'impact des fake news sur les élections
2. La suite définit ce que sont les fake news

2016 US presidential elections (Allcott et al.)[1]

- 62% of US citizens get their news from social media[2]
- Fake news had more share on Facebook than mainstream news[3].

Definition

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Fake news is a news article that is intentionally and verifiable false[4]

1. Dire que l'on peut caractériser les fake news de plusieurs faon:
le contenu et le context

News content features:

- **Source:** Where does the news come from, who wrote it, is this source reliable or not.
- **Headline:** Short summary of the news content that try to attract the reader.
- **Body Text:** The actual text content of the news.
- **Image/Video:** Usualy, textual information is agremented with visual information such as images, videos or audio.

Social context features:

- **Expert-oriented:** relies on experts, such as journalists or scientists, to assess the news content.
- **Crowdsourcing-oriented:** relies on the wisdom of crowd that says that if a sufficiently large number of persons say that something is false or true then it should be.
- **Computational-oriented:** relies on automatic fact checking, that could be based on external resources such as DBpedia.



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