

The New York Times

The New York Times

NEW YORK, WEDNESDAY, NOVEMBER 9, 2016

CREATED BY:1

TRUMP WINS IN LANDSLIDE

IMMEDIATE ACTION ON EXECUTIVE

HE: "EXHAUSTED"
LY, SAYS BILL

ordained it was likened to a
ton, the nation's would-be first
terday with donors and party
ay's crushing defeat, unable to

function and ethical lapses dog
r most recent campaign was no
howed donations cratering. Vice
luma Abedin left the campaign
husband and chronic dick-sellie
slurred speech during an April
bie Wasserman Schultz, DNC
future DNC events in favor of
Ms Clinton in a kiddie pool
ddlers. Even then controversy
Ms Clinton "Is America a
t pee on my leg?"

at a Saudi benefit luncheon at
President-elect Trump's historic
just not the votes. Sure, it's
she'd win every time. I mean,
e emails and the Benghazi crap,
saying she's always hollering,
that only happened one time.
paign she ran — the old badger
that.

essed the baton to unremarkable
shadow in Vera Wang couture,
for the long-grain, Himalayan-
of your minds?," said the
, I said, No say blanco. No say
e fucking organic rice before I
family murdered."

legacy. "This woman is like a
she hugged me for no reason."

RIZATIONS & QUOTES ARE FICTITIOUS"



President-elect Donald J. Trump joined supporters at a rally in Washington State.

SCAVINO EMERGES AS POLITICAL POWER

By KATHY BANSHEE (AP)

A relative unknown in Washington political circles prior to his appointment as senior advisor to President-elect Donald Trump, Daniel Scavino, Jr. has skyrocketed to fame in recent weeks, earning praise as a

Data Wrangling Techniques for Fake News Detection

With the rise of fake news, detecting and combating misinformation is more important than ever. In this presentation, we will explore the data wrangling techniques used to detect fake news.

What is Fake News?

Definition

Fake news is false or misleading information presented as news. It can be spread through various mediums, including social media.

Impact

Fake news can have serious consequences, from influencing public opinion to affecting election outcomes.

Origins

Fake news can be deliberately created for propaganda purposes or accidentally spread through inaccurate reporting.

The Importance of Detecting Fake News



Data Collection and Scraping



Web Scraping

We can collect data from websites using web scraping tools like BeautifulSoup or Scrapy.



Social Media

We can also collect data from social media platforms like Twitter and Facebook.



News Websites

News website APIs can provide structured data for analysis.

Cleaning and Preprocessing Data

1 Text Cleaning

We can remove stop words, non-alphabetic characters, and correct spelling errors.

2 Tokenization

We can separate text into individual words or phrases for analysis.

3 Normalization

We can convert text to lowercase and/or stem words to reduce variation.



Feature Engineering

Content-based Features

- TF-IDF
- Word Embeddings
- Topic Modelling

Contextual Features

- Source Credibility
- Geolocation
- Social Network Analysis

Data Integration and Fusion

Data Aggregation

We can combine data from multiple sources to improve accuracy.

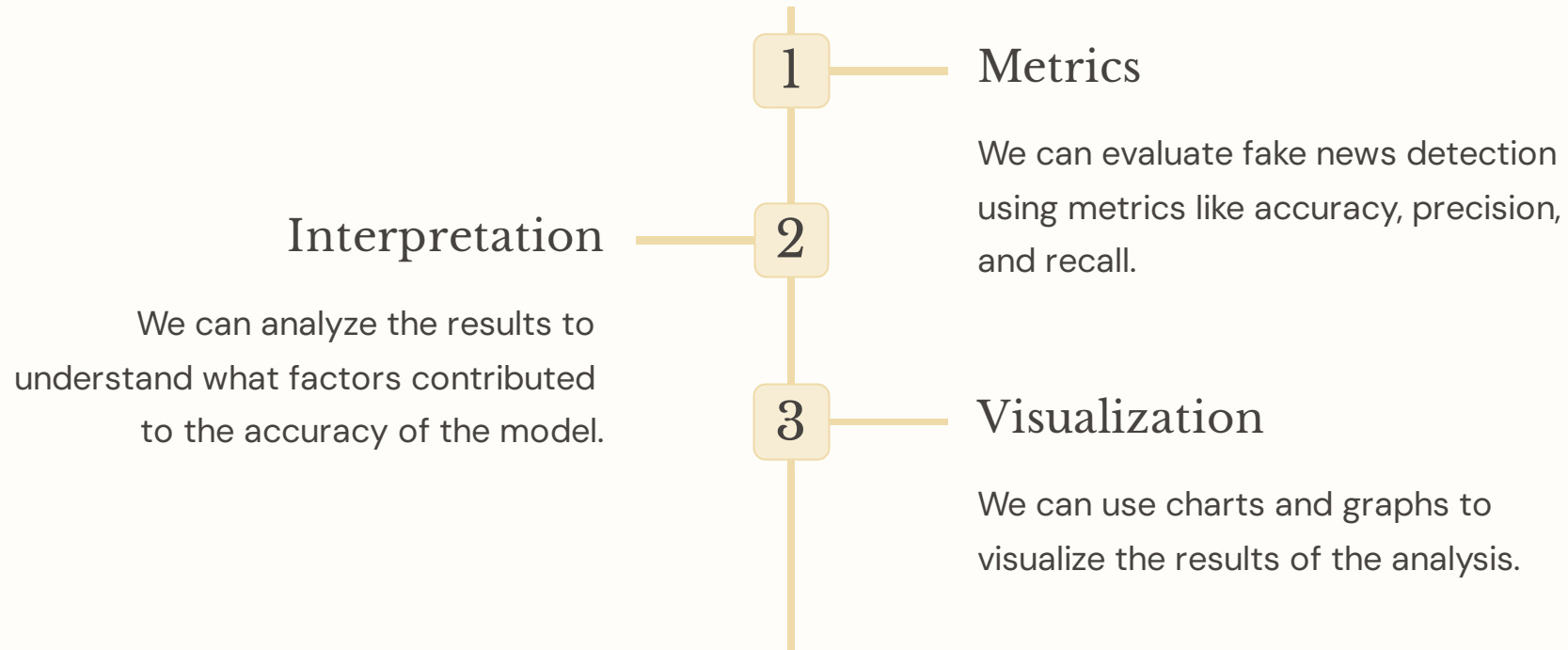
Data Fusion

We can merge data with different formats or representations into a single coherent data set.

Ensemble Methods

We can use multiple models or algorithms to make a prediction.

Evaluation and Analysis



Challenges and Limitations



Ethical Concerns

We must consider ethical concerns when detecting fake news, such as privacy violations and censorship risks.



Data Wrangling

Data wrangling can be time-consuming and requires domain knowledge to be effective.



Limitations

Data wrangling techniques are not foolproof, and some fake news may still go undetected.

Conclusion

Recap

We explored data wrangling techniques for fake news detection, including data collection, text cleaning, feature engineering, and data integration.

Continuous Improvement

As fake news evolves, we must continue to improve our techniques and cooperate across disciplines to combat its spread.

Call to Action

Join us in the effort to fight fake news and promote a more informed and responsible society.