



FAKE NEWS DETECTOR

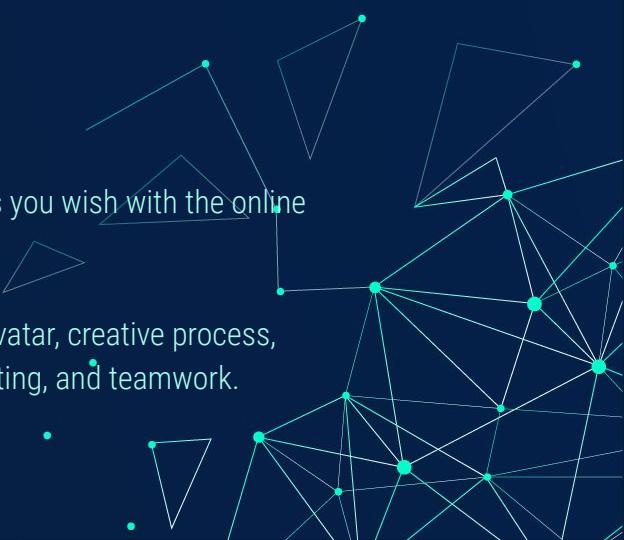
Rüdiger Hass

CONTENTS OF THIS TEMPLATE

Here's what you'll find in this Slidesgo template:

1. A slide structure based on a newsletter, which you can easily adapt to your needs. For more info on how to edit the template, please visit **Slidesgo School** or read our **FAQs**.
2. A **thanks** slide, which you must keep so that proper credits for our design are given.
3. A **resources** slide, where you'll find links to all the elements used in the template.
4. **Instructions for use**.
5. Final slides with:
 - The **fonts and colors** used in the template.
 - A selection of **illustrations**. You can also customize and animate them as you wish with the online editor. Visit Stories by Freepik to find more.
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 - Sets of **customizable icons** of the following themes: general, business, avatar, creative process, education, help & support, medical, nature, performing arts, SEO & marketing, and teamwork.

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INTRODUCTION

What is Fake News?

DATA

Where does data come from?

EXPLORATORY DATA ANALYSIS

Cool graphics

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MODEL

Explaining underlying models

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How does the model work?

OUTLOOK

Future Work



01

INTRODUCTION

What is Fake News





What is Fake News?

...



2nd ANNOUNCEMENT

MARS

Despite being red,
Mars is a cold place,
not hot

NEPTUNE

Neptune is the farthest planet from the Sun, the fourth-largest in our Solar System

JUPITER

It's a gas giant and the biggest planet in our Solar System

SATURN

Saturn is a gas giant, composed of hydrogen and helium



A complex network graph is displayed against a dark blue background. The graph consists of numerous cyan-colored circular nodes of varying sizes and several thin white lines representing connections between them. Some nodes are part of large, dense clusters, while others are isolated or connected to small groups. The overall effect is one of a complex, interconnected system.

02

DATA

Where does data come from?

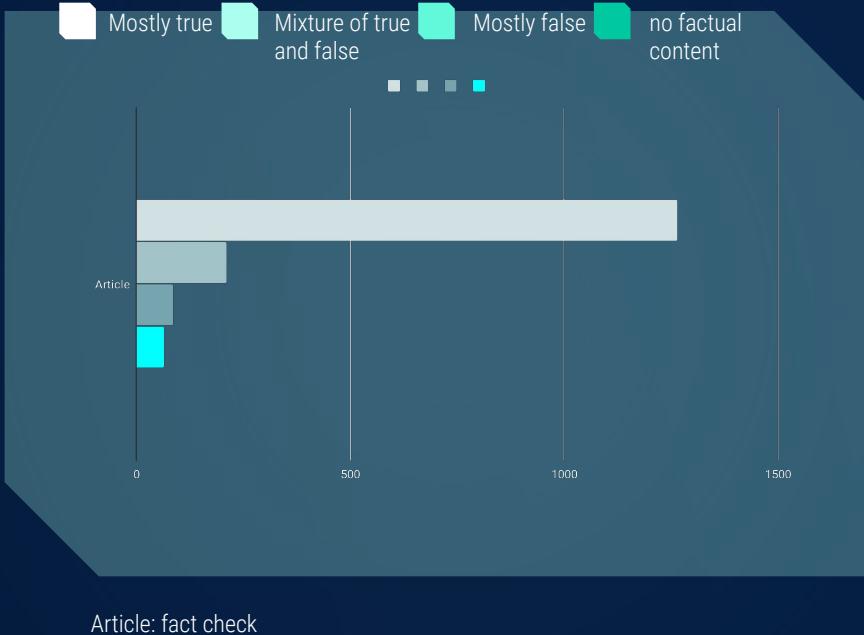
IN DEPTH

MERCURY

Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than our Moon. The planet's name has nothing to do with the liquid metal, since it was named after the Roman messenger god, Mercury



DATA



Buzzfeed article

The corpus comprises the output of 9 publishers in a week close to the US elections. All publishers earned Facebook's blue checkmark, indicating authenticity and an elevated status within the network. For seven weekdays (September 19 to 23 and September 26 and 27), every post and linked news article of the 9 publishers was fact-checked by professional journalists at BuzzFeed



OUR NUMBERS

500

new clients last semester

100

ongoing projects

40

new employees last semester



SECTOR NEWS



VENUS

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot, even hotter than Mercury

Despite being red, Mars is a cold place, not hot. It's full of iron oxide dust, which gives the planet its reddish cast

MARS



SATURN

Yes, this is the ringed one. It's a gas giant, composed mostly of hydrogen and helium. It's named after the Roman god of wealth and agriculture

03

EXPLORATORY DATA ANALYSIS

Cool graphics



NEWS



NEPTUNE

Neptune is the farthest planet from the Sun and the fourth-largest in our Solar System



MARS

Despite being red, Mars is a cold place, not hot. It's full of iron oxide dust, which gives the planet its reddish cast



MERCURY

Mercury is the closest planet to the Sun and also the smallest one in our Solar System



JUPITER

Jupiter is the biggest planet in our Solar System and also the fourth-brightest object in the sky



VENUS

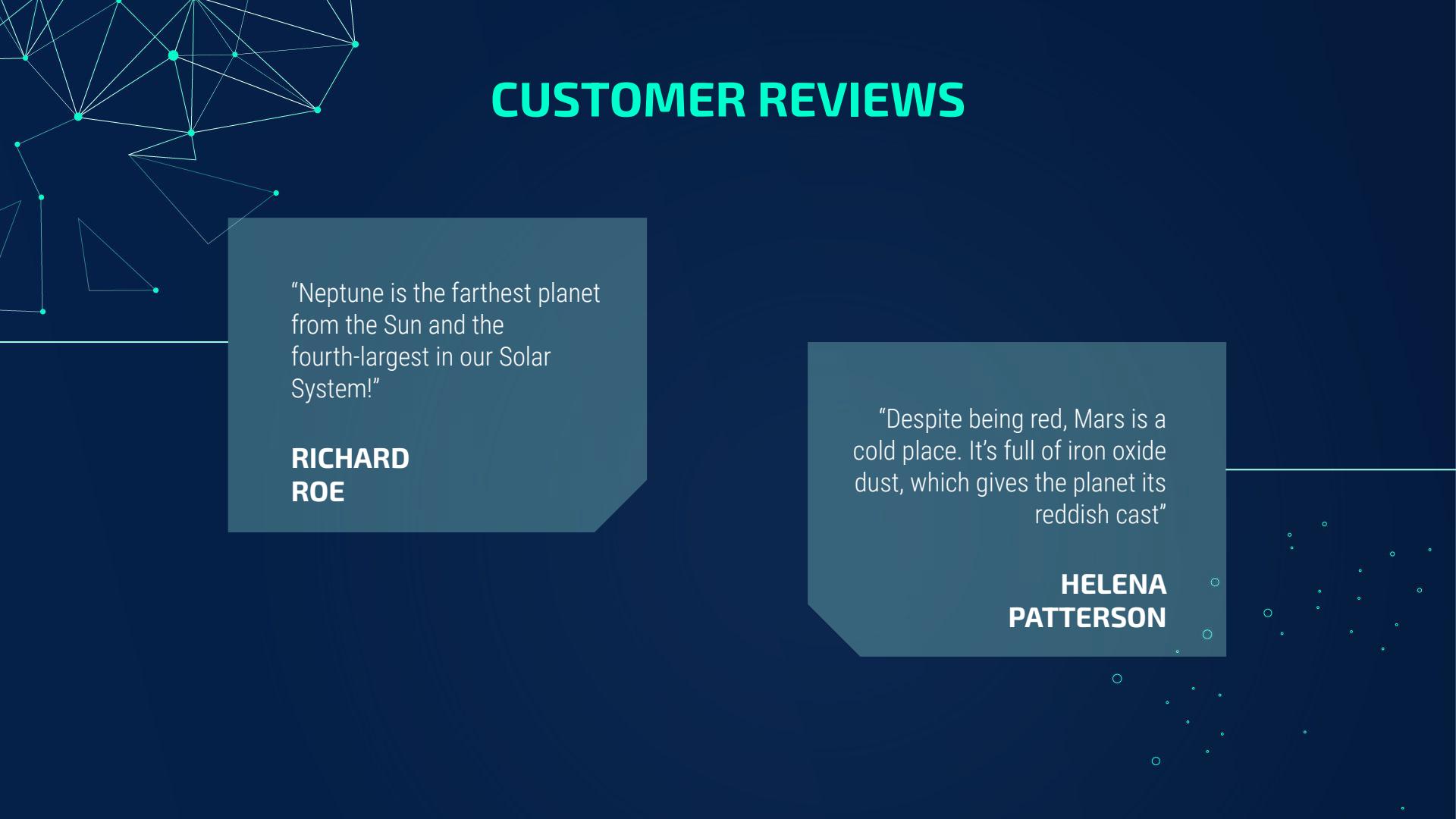
Venus has a beautiful name and is the second planet from the Sun. It's terribly hot, even hotter than Mercury



SATURN

Saturn is the ringed planet. It's a gas giant, composed mostly of hydrogen and helium





CUSTOMER REVIEWS

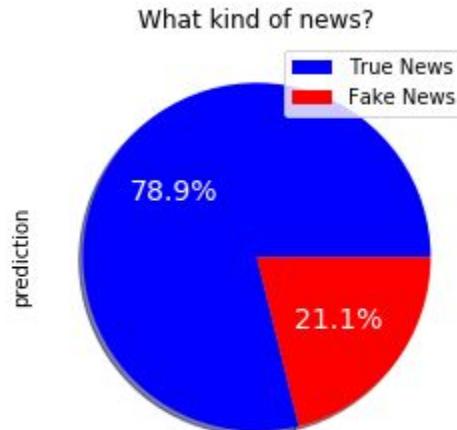
"Neptune is the farthest planet from the Sun and the fourth-largest in our Solar System!"

**RICHARD
ROE**

"Despite being red, Mars is a cold place. It's full of iron oxide dust, which gives the planet its reddish cast"

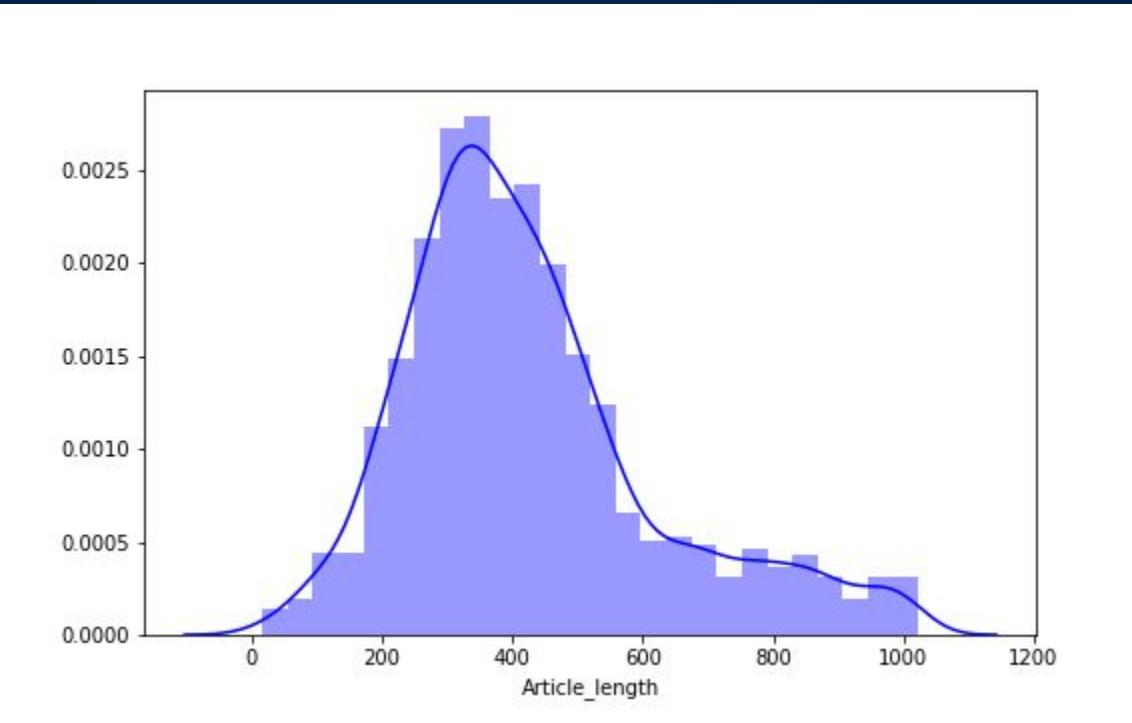
**HELENA
PATTERSON**

TABLE

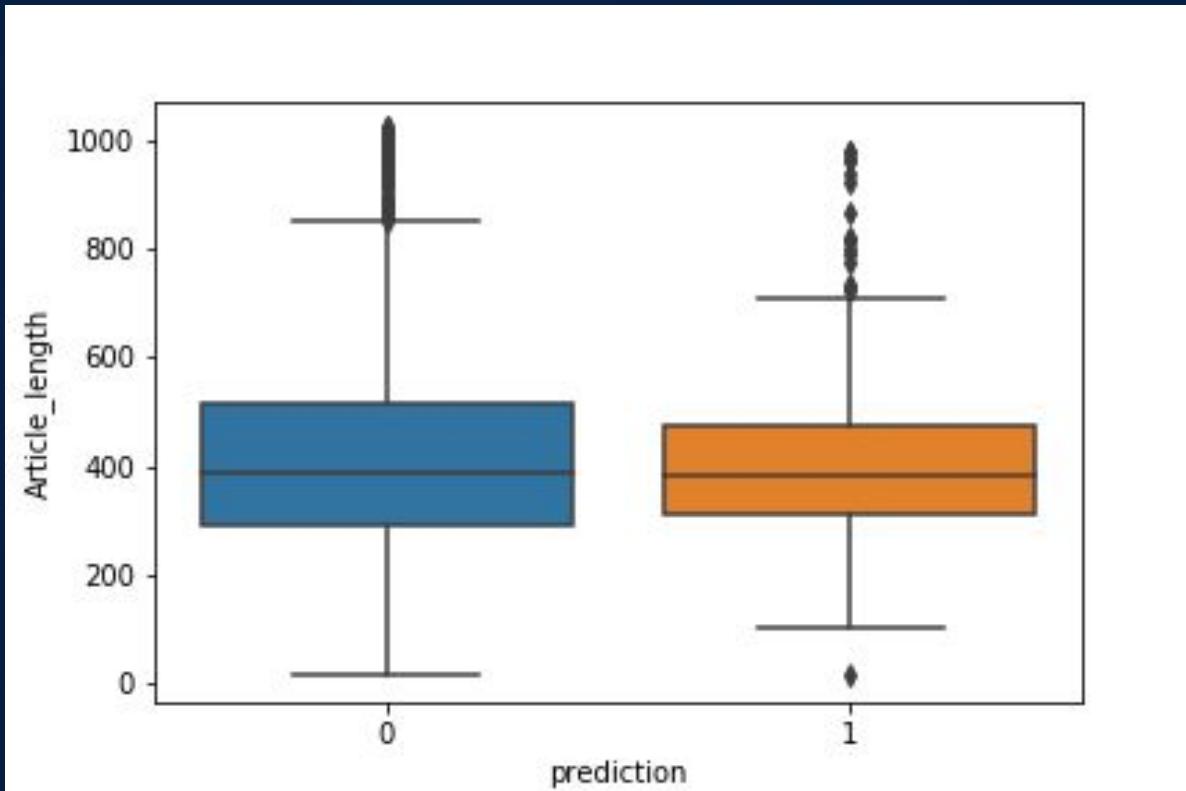


prediction

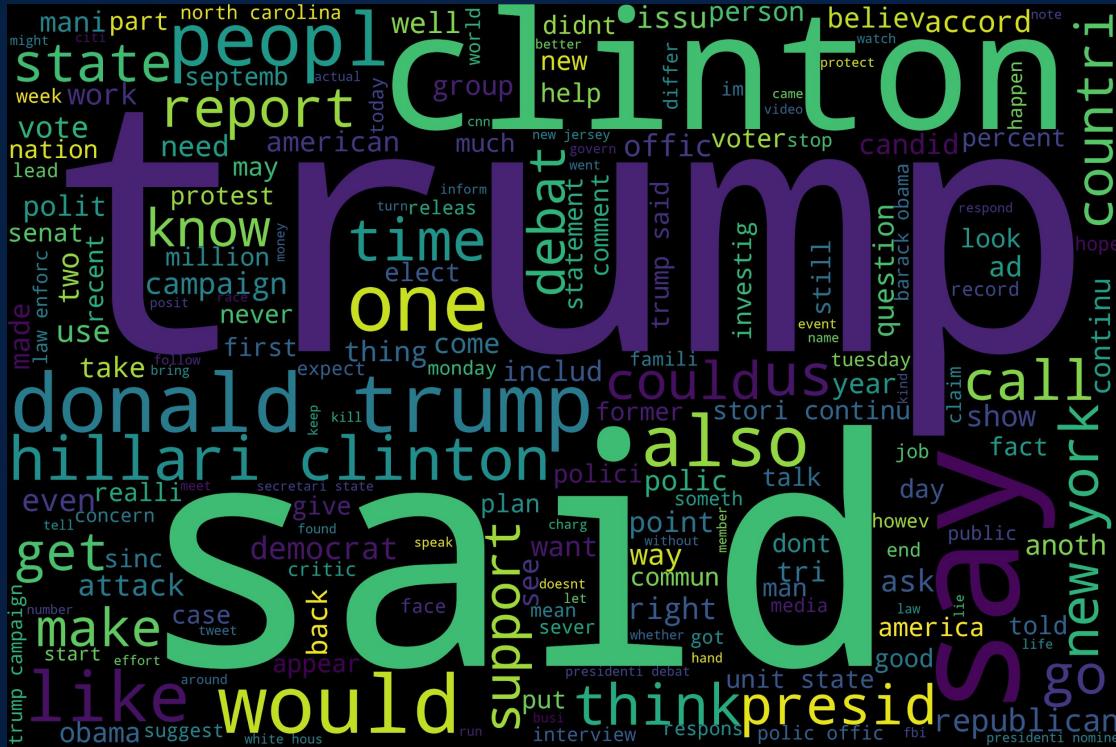
Distribution of words in article



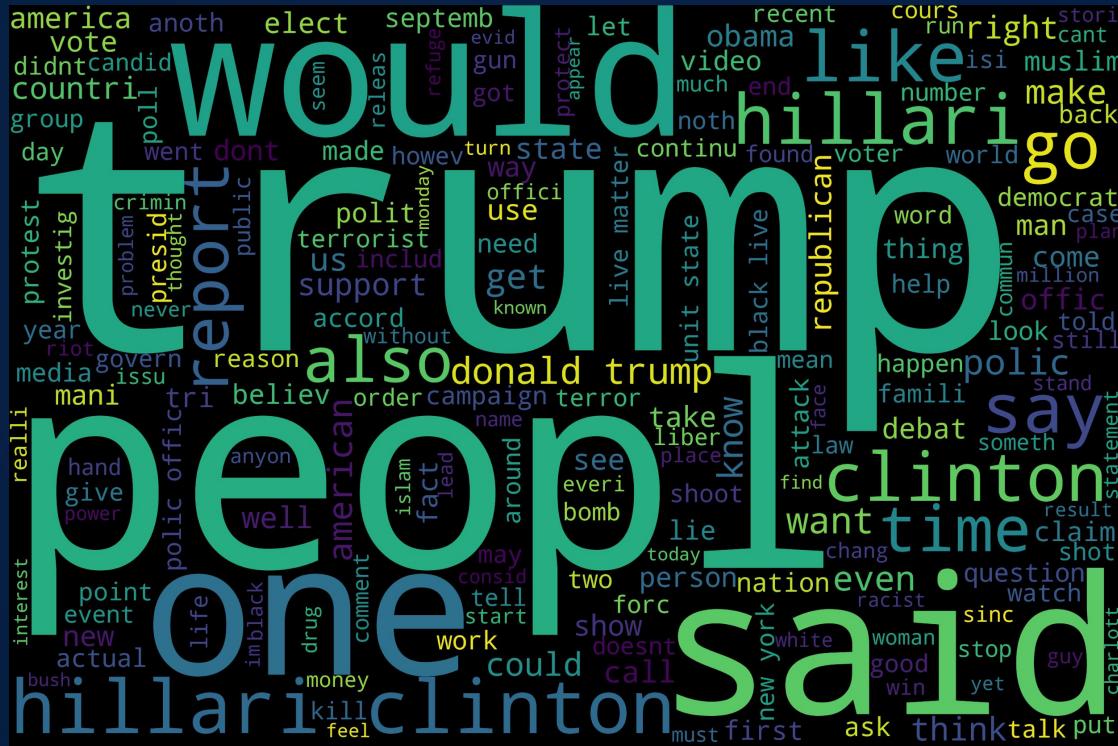
Boxplot for article length



Word cloud for true article



Word cloud for fake article



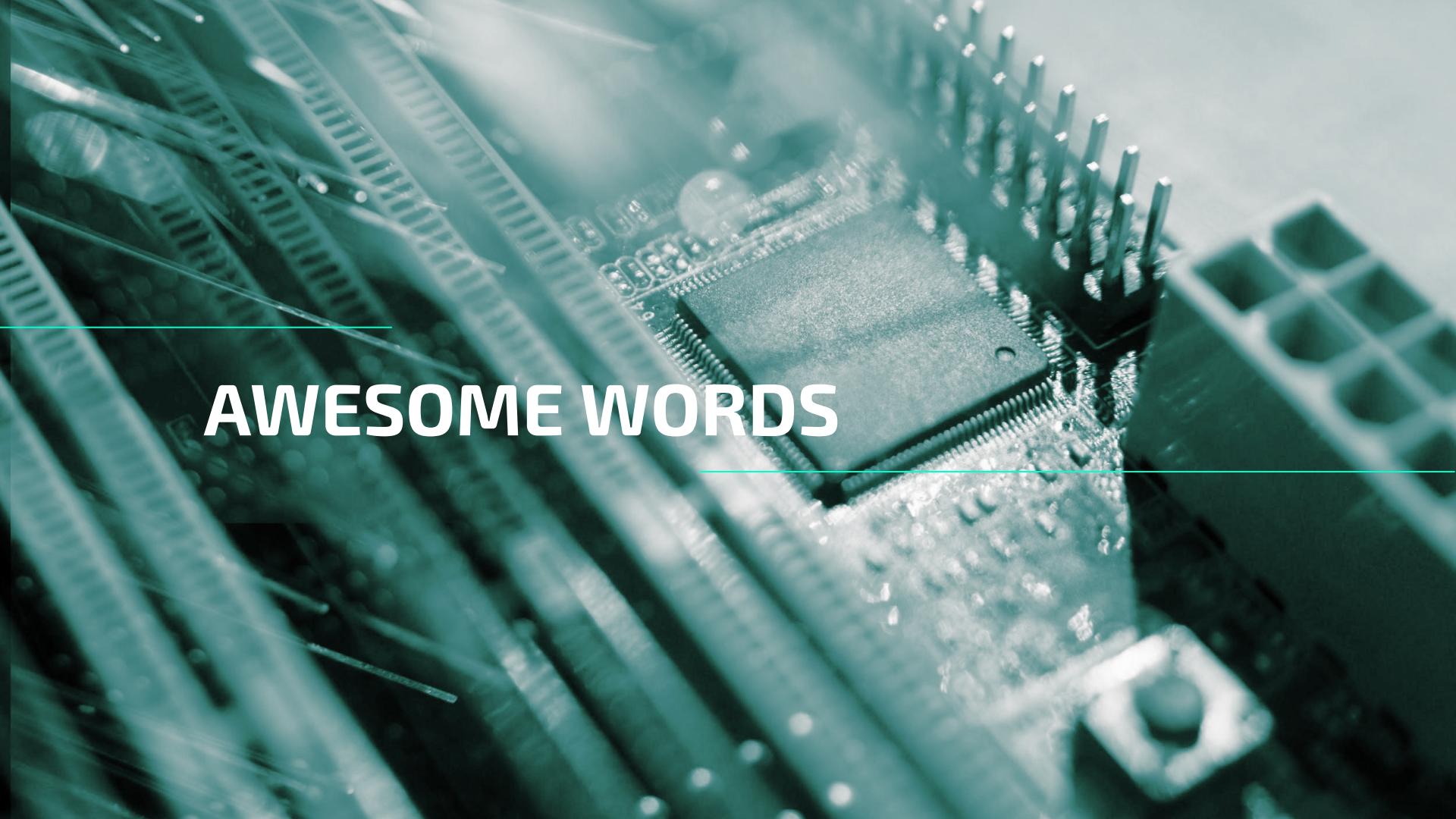
04

MODEL

Explaining underlying models



- 
- 1) Bag-of-Words (Tf-Idf)
 - 2) Word Embedding (Word2Vec)
 - 3) Language Model (BERT)



AWESOME WORDS

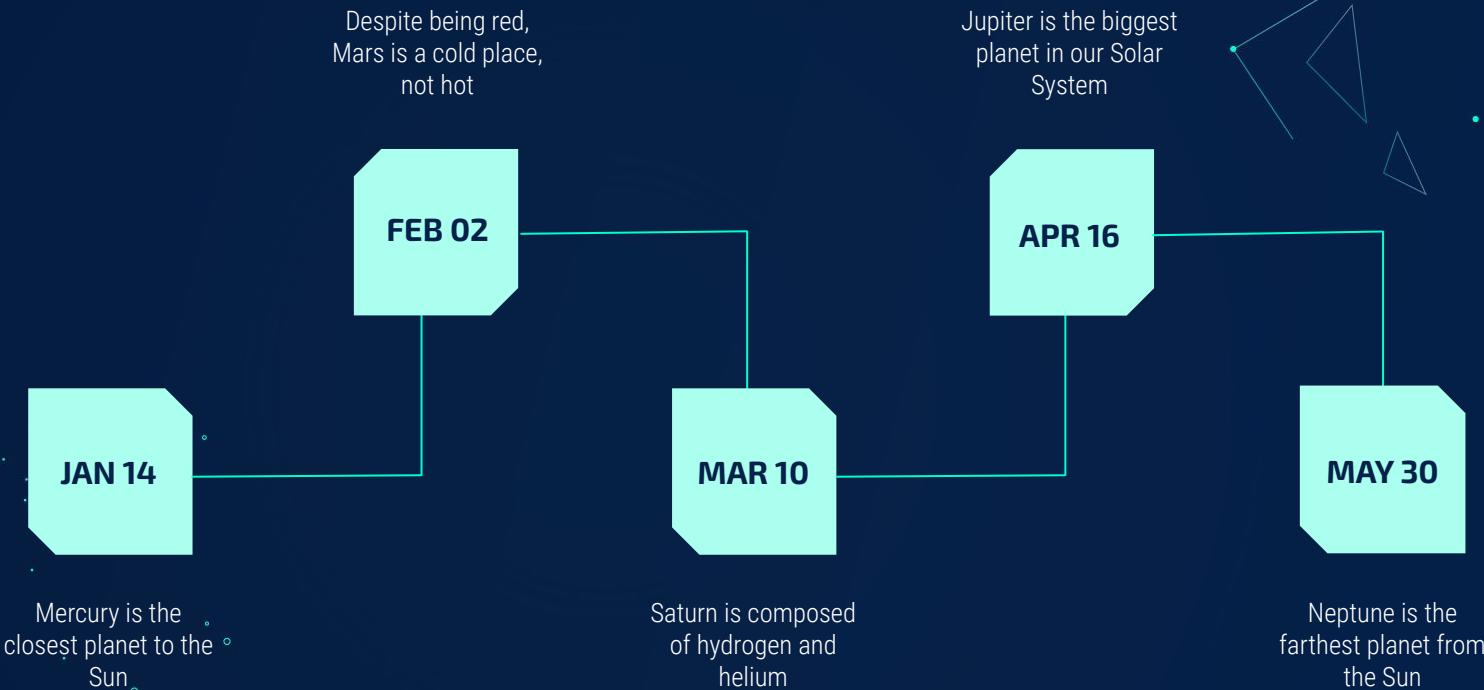
05

CONCLUSION

How does the model work



REVIEW OF PAST EVENTS



UPCOMING EVENTS

SEP 08

Mercury is the closest planet to the Sun



OCT 16

Despite being red, Mars is a cold place, not hot



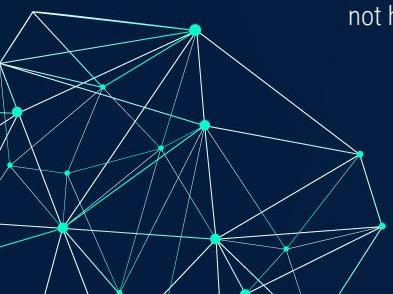
NOV 29

Saturn is composed of hydrogen and helium



DEC 10

Jupiter is the biggest planet in our Solar System



06

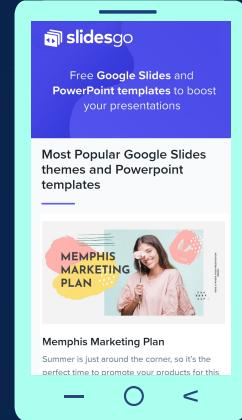
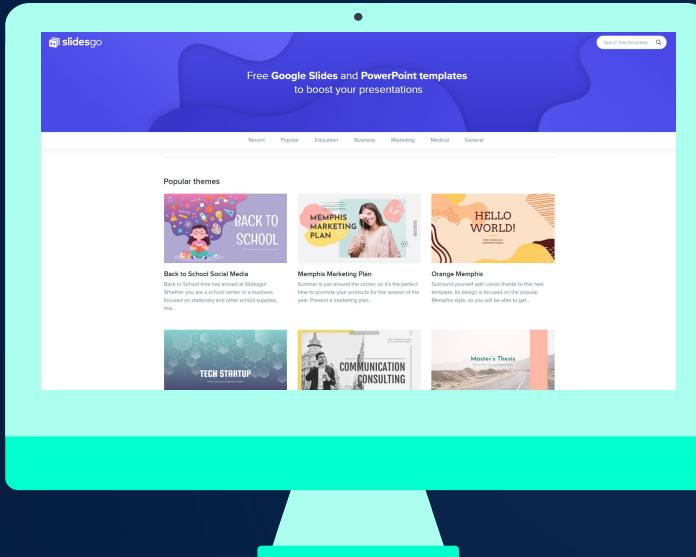
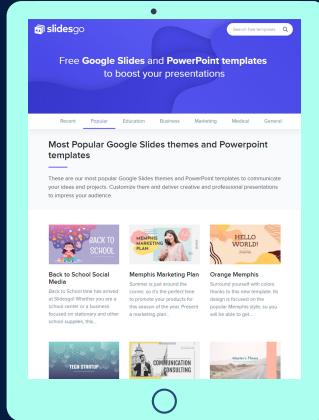
OUTLOOK

Future work



- Slang
- Grammar
. Sentimental score

SNEAK PEEK



Neptune is the farthest planet from the Sun and the fourth-largest in our Solar System



THANKS

Does anyone have any questions?

addyouremail@freepik.com
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PHOTOS

- Woman using smartphone with hologram
- Happy businesswoman looking at camera with holding pencil and diary
- Portrait of smiling man holding digital tablet looking at camera
- Smiling bearded man holding disposable coffee cup while opening door
- Portrait of pretty woman holding laptop looking at camera
- Motherboard with optical fiber



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#00ffcd

#ffffff

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Pana



Amico



Bro



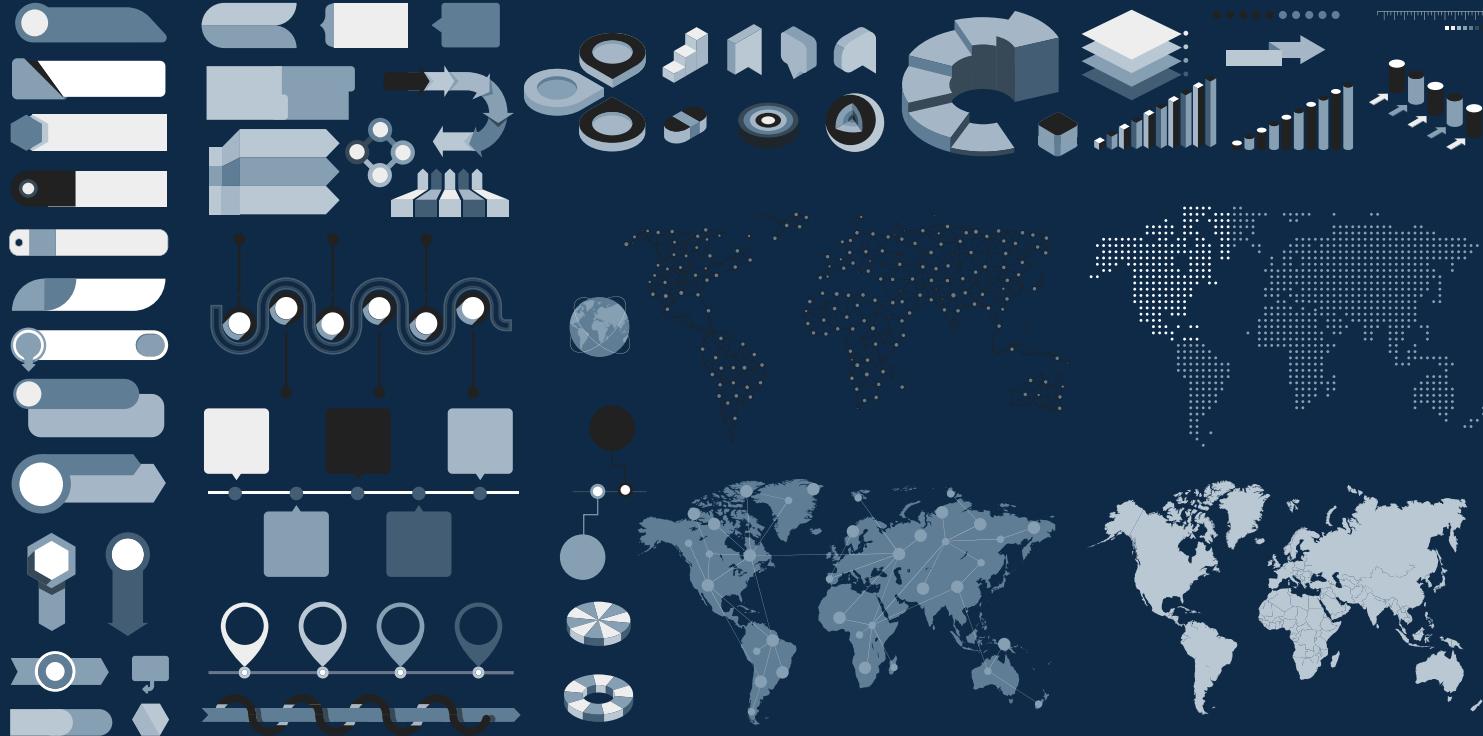
Rafiki

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