

Concept Introduction:

In our day to day life we are more influenced with social media platforms. We are using them for personal use and as well as for knowledge gain. But sometimes the knowledge or the information we are getting might not be genuine. It's because of the fake news or misinformation comes in articles.

"Fake news" is a term that has come to mean different things to different people. At its core, we are defining "fake news" as those news stories that are false: the story itself is fabricated, with no verifiable facts, sources or quotes.

Sometimes these stories may be propaganda that is intentionally designed to mislead the reader, or may be designed as "clickbait" written for economic incentives (the writer profits on the number of people who click on the story). In recent years, fake news stories have proliferated via social media, in part because they are so easily and quickly shared online.

Misinformation is false or inaccurate information that is mistakenly created or spread; the intent is not to deceive. Disinformation is false information that is deliberately created and spread "in order to influence public opinion or obscure the truth".



Project Introduction:

Sometimes it's hard to find the fake news or misinformation as the publishers of fake news are adapting to the new technologies with the change of patterns. It is becoming regular to resolve the fake news problems for some certain search engines like Google. With the advancement in Artificial Intelligence these kinds of problems also can be analyzed.



In our project we are going to analyze & identify this fake news with the help of Artificial Intelligence Module which is **Natural Language Processing**. This Module is specialized in handling of the text data from the articles. The module is developed in Python programming language which is easy to understand & work upon our analysis.

By using this module we will be handling a **News dataset**, in which we will follow certain **text preprocessing/cleaning** steps and then we will apply that text to **Machine Learning** models which is also another module of AI for Predictive analysis, will predict the news either **real** or **fake**.

Dataset Information:

The sample snippet of the data we are going to analyze for this project

Title Of The News	News Text	Prediction
You Can Smell Hillary™'s Fear	Daniel Greenfield, a Shillman Journalism Fellow at the Freedom	FAKE
Watch The Exact Moment Paul Ryan Committed Political Suicide	Google Pinterest Digg LinkedIn Reddit Stumbleupon Print Delicious	FAKE
Kerry to go to Paris in gesture of sympathy	U.S. Secretary of State John F. Kerry said Monday that he will stop in	REAL
Bernie supporters on Twitter erupt in anger against the DNC: "â€" Kaydee King (@KaydeeKing) November 9, 2016 The lesson from	It's primary day in New York and front-runners Hillary Clinton and	FAKE
The Battle of New York: Why This Primary Matters	Tehran, USA	REAL
Girl Horrified At What She Watches Boyfriend Do After He Left	Share This Baylee Luciani (left), Screenshot of what Baylee caught on	FAKE
â€" Britainâ€"s Schindlerâ€" Dies at 106	A Czech stockbroker who saved more than 650 Jewish children from Nazis	REAL
Fact check: Trump and Clinton at the 'commander-in-chief' for	Hillary Clinton and Donald Trump made some inaccurate claims during	REAL

This dataset is gathered from Open Source with the reference of data-flair.training site.

Dimensions: 7796*4 (7796 rows & 4 Columns)

Main features of Data We are going to analyze:

- Title of the News
- News Text
- Prediction

Project Particulars:

Text Analysis Processes:	Text Analysis Tools:
Natural Language Processing(NLP) Machine Learning (ML)	Python