IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 5, May 2023

Fake News Detection using Data Science Approach

Prof. Mrs. Rupali Shinganjude, Ayush Khadgi, Harsh Watkar, Harshad Bagde, Brajesh Dayare, Dipak Choudhary

Department of Information Technology Priyadarshini Bhagwati College of Engineering Nagpur, India

Abstract: Information plays an vital role in an every aspects. Thus the misleading in information is known as fake news. This news create the controversy among the people and tragic events may take place. Fake news has been problem ever since the internet boomed. The very network that allows us to know what is happening globally is perfect breeding ground for malicious and fake news. Combatting this fake news is important because the world's view is shaped by information. This research paper proposed a reliable system which is able to classify the fake news using the NumPy, pandas Sklearn, Vectorization in python, random forest classifier, decision tree classifier logistic regression classifier, gradient boosting classifier, regular expression library in python String library in python, seaborn package.

Keywords: Fake News

REFERENCES

- [1]. Jiawei Zhang, Bowen Dong, Philip S. Yu IFM Lab, Department of Computer Science, Florida State University, FL, USArXiv:1805.08751v2 [cs.SI] 10 Aug 2019
- [2]. Syed Manzoor, Dr. Jimmy Singla, Nikita Proceedings of the Third International Conference on trends in electronic and Informatics (ICOEI 2019)
- [3]. Z Khanam , B N Alwasel , H Sirafi and M Rashid IOP Conference Series: Materials Science and Engineering Z Khanam et al 2021 IOP Conf. Ser.: Mater. Sci. Eng.1099 012040
- [4]. Akshay Jain, Amey Kasbe. 2018 IEEE International Students' Conference on Electrical, Electronics and Computer Sciences.
- [5] Vidhi Singrodia, Anirban Mitra 2019 International Conference on Computer Communication and Informatics (ICCCI -2019), Jan. 23 25, 2019, Coimbatore, INDIA
- [6]. Daryna dementieva, alexander panchenko. Fake news detection on multilingual .2020 IEEE DOI june 22,2021
- [7]. Fuad mire Hassan, mark lee political fake news detection via multistage feature-assisted neural modeling. Dec 21,2020.
- [8]. Shikun lyu,dan chia-tien lo.Fake news detection by decision tree.2020 IEEE. June 02,2021.
- [9]. Nihel Fatima baarir, abdelhammid djeffal,fake news detection using machine learning approaches,978-1-6654-4084-4/21,2020 IEEE, may 24,2021.
- [10]. Krishna A N,member IEEE,identification of fake news using machine learning,978-1-7281-6828-9,sep 17,2020.
- [11].Randomforestclassifierhttps://www.analyticsvidhya.com/blog/2021/06/understanding-random-forest
- [12]. Random forest https://scikit-learn.org/stable/modules/generated/sklearn.ensemble.RandomForestClassifier.html.
- [13]. Decision tree classifier https://en.wikipedia.org/wiki/Decision tree learning.
- [14]. Logistic regression https://www.ibm.com/in-en/topics/logistic-regression#:~:text=Resources-,What%20is%20logistic%20regression%3F,given%20dataset%20of%20independent%20variables.
- [15]. Logisitic regression mathematical statement https://www.analyticsvidhya.com/blog/2015/11/beginners-guide-on-logistic-regression-in-r/

DOI: 10.48175/IJARSCT-10073

