

# Finding False News on Social Media

Arti J. Desai, Anjali S. Borade, Monali R. Deshmane, Rutuja S. Sonawane

Information Technology Department

Pune Vidyarthi Griha's College of Engineering, Nashik, Maharashtra, India

**Abstract:** *The project also uses NLP (Natural Language Processing) techniques to detect 'false stories', that is, misleading stories from less reputable sources. By creating only a model based on the calculation vectorizer (using word count) or (Term Frequency Inverse Inverse Document Frequency) tfidf matrix, far. But these examples do not take into account important qualities such as word order and context. It is possible that two titles similar to the number of their names are quite different from their meaning. The data science community has responded by taking action against the problem. There is a competition called "Fake News Challenge" and Facebook uses AI to filter fake news in user feeds. Fighting false stories is an old text-breaking project with a straightforward proposal. Is it possible to create a model that can distinguish between "real" and "false" stories? So the proposed task is to combine a database of both false and real stories and use the Naive Bayes section to create a model to distinguish an article based on words or facts. and its phrases..*

**Keywords:** False Stories, Machine Learning, Naive Bayes section, Neural Network, SVM

## REFERENCES

- [1]. M. Granik and V. Mesyura, "The discovery of false news through the absurd Bayes category," 2017 IEEE 1st Ukr. Conf. Electr. Computer. Eng. UKRCON 2017 - Proc., Pp. 900–903, 2017.
- [2]. <https://indianexpress.com/article/technology/social/whatsapp-fight-against-fake-news-top-features-to-curb-spread-of-misinformation-5256782/>
- [3]. A. Martínez-García, S. Morris, M. Tscholl, F. Tracy, and P. Carmichael, "Condition-based learning, pedagogical development, and semantic web technologies," IEEE Trans. Read. Technology., Vol. 5, no. 2, pages 104–116, 2012.
- [4]. P. R. Humanante-Ramos, F. J. Garcia-Penalvo, and M. A. Conde-Gonzalez, "PLEs in Mobile Contexts: New Ways to Customize Your Reading," Iberoam. Tecnol. del Aprendiz., vol. 11, no. 4, pages 220–226, 2016.
- [5]. T. Granskogen and J. A. Gulla, "False news detection: Network data from social media used to predict lies," CEUR Workshop Proc., Vol. 2041, no. 1, pages 59–66, 2017.
- [6]. R. V. L., C. Yimin, and C. N. J., "Fraudulent discovery of news: Three kinds of lies," Proc. Assoc. Inf. Science. Technology., Vol. 52, no. 1, pages 1–4, 2016.
- [7]. V. Rubin, N. Conroy, Y. Chen, and S. Cornwell, "False Stories or the Truth? Using Comics to Find News That May Be Misleading," pp. 7–17, 2016.
- [8]. Z. Jin, J. Cao, Y. Zhang, J. Zhou, and Q. Tian, "Visual Novel Photo Features and Microblogs News Verification Statistics," IEEE Trans. Combined., Vol. 19, no. 3, pages 598–608, 2017.
- [9]. S. Gilda, "Exploring machine learning algorithms for false stories," IEEE Student Conf. Res. Dev. Inspiring Technol. Humanity. SCORED 2017 - Proc., Vol. 2018 – January, pages 110–115, 2018.
- [10]. Y. Seo, D. Seo, and C. S. Jeong, "FaNDeR: Fraudulent Discovering Model Using Media Reliability," IEEE Reg. 10 He. Int. Conf. Proceedings / TENCON, vol. 2018–October, no. October, pages 1834–1838, 2019.
- [11]. S. Das Bhattacharjee, A. Talukder, and B. V. Balantrapu, "Acquisition-based discovery of practical case studies in terms of measurement and shallow integration," Proc. - 2017 IEEE Int. Conf. Big Data, Big Data 2017, vol. 2018 – January, pages 556–565, 2018.
- [12]. S. Helmstetter and H. Paulheim, "Weakly guarded reading for false news on Twitter," Proc. 2018 IEEE / ACM Int. Conf. Adv. Soc. Anal networks. Mine, ASONAM 2018, pp. 274–277, 2018.
- [13]. S. B. Parikh, V. Patil, and P. K. Atrey, "On the Origin, Proliferation and Tone of Fake News," Proc. - 2nd Int. Conf. A lot. Inf. The process. Refunds, MIPR 2019, pages 135–140, 2019.

- [14]. A. Dey, R. Z. Rafi, S. Hasan Parash, S. K. Arko, and A. Chakrabarty, "False news pattern recognition using language analysis," 2018 Jt. 7th Int. Conf. Informatics, electron. Vis. 2nd Int. Conf. Illustration, Vis. Pattern Recognition, ICIEV-IVPR 2018, pages 305–309, 2019.
- [15]. N. Kim, D. Seo, and C. S. Jeong, "FAMOUS: A False Information Discovery Model Based on Comprehensive Keyword Information," Proc. IEEE Int. Conf. Softw. Eng. Service. Science. ICSESS, vol. 2018 – November, pages 617–620, 2019.
- [16]. R. L. Vander Wal, V. Bryg, and M. D. Hays, "X-Ray Photoelectron Spectroscopy (XPS) Applied to Soot & What It Can Do For You," Notes, pp. 1–35, 2006.