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Fraud Feedback Detection using Machine Learning Technique

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Abstract: In the era of e-commerce, people often purchase the most of product from online shopping websites, customers rely on the number of reviews and stars of product to choose the right product for them. Fraud companies also pay to fraudsters to increase the rating of product, this tends to mislead the people and people end up with the product that they are not satisfied with. This can be stopped in some extent with the help of machine learning algorithms. The purposed method uses Machine Learning Algorithm like Random Forest, ANN, Support Vector Machine which helps the people to differentiate between fraud feedbacks and original reviews.

Keywords: Electronic Dataset, Random Forest, Support Vector Machine, Artificial Neural Net- work, Fraud feedbacks Detection, Supervised Machine Learning.

REFERENCES

- [1]. https://theprint.in/opinion/almost-4-of-all-online-reviews-are-fake-their-impact-is-costing-us-152-billion/715689/
- [2]. Martinez-Torres, M., Toral, S.: "A machine learning approach for the identification of the deceptive reviews in the hospitality sector using unique attributes and sentiment orienta- tion," Tourism Manage., vol. 75, pp. 393–403, Dec.2019.
- [3]. Cardoso, E., Silva, R., Almeida, T., "Towards automatic filtering of fake reviews," Neurocomputing, vol. 309, pp. 106–116, Oct.2018.
- [4]. Ott, M., Cardie, C., Hancock, J., "Negative deceptive opinion spam," in Proc. Conf. North Amer. Chapter Assoc. Compute. Linguistics, Hum. Lang. Technologies (HLT- NAACL), Atlanta, GA, USA, Jun. 2013, pp.497–501.
- [5]. Barbado, Rodrigo, Araque, O., Iglesias, C.: "A framework for fake review detection in online consumer electronics retailers." Information Processing & Management 56.4 (2019):1234-1244.
- [6]. Hassan, Rakibul, Islam, Mr.: "A Supervised Machine Learning Approach to Detect Fake Online Reviews." 2020 23rd International Conference on Computer and Information Technology (ICCIT). IEEE,(2020).
- [7]. Elmogy, Ahmed M., et al. "Fake Reviews Detection using Supervised Machine Learning." Int. J. Adv. Comput. Sci. Appl 12(2021).
- [8]. Hegde, S., Rai, R., Hiremath S., Gangisetty, S.: "Fake Review Detection Using Hybrid
- [9]. Ensemble Learning". In: Advances in Computing and Network Communications, Springer (2021).
- [10]. Sharma, V., Rai, S., Dev, A.: "A comprehensive study of artificial neural networks" (2012). (ISSN: 2277128X).