Sentiment Analysis Using Hybrid Approach

Mayank jain

[1]Associate Engineer
[1]HCL tech, New Delhi, India
[1] mayank.k12@gmail.com*
* corresponding author

ARTICLE INFO

Article History:
Received January 1, 2019
Revised January 31, 2019
Accepted December 12, 2019

Keywords:
Artificial Intelligence, Sentiment Analysis; Opinion Mining; Machine Learning; Natural Language Processing; Sentiment Classification; Emotion Detection; CNN; LSTM

Correspondence:
E-mail: mayank.k12@gmail.com

ABSTRACT

Sentiment Analysis, also known as opinion mining, focuses on the use of techniques that can automatically recognise various forms of emotions conveyed in a text, such as sentiments, attitudes, and views. Sentiment Analysis is a field of text mining that is still being researched. This review study provides insights into numerous suggested Sentiment Analysis algorithms as well as a quick overview of the most recent developments in this subject. This study also covers data science-related topics such as emotion recognition and building resources. This paper primarily offers sophisticated classification of various papers as well as a quick introduction to the recent trend of research in this subject.

.

Contact Editor for Full paper Contact @ijsdcs.com

References

[1] S. A. Bini, "Artificial Intelligence, Machine Learning, Deep Learning, and Cognitive Computing: What Do These Terms Mean and How Will They Impact Health Care?" J. Arthroplasty, vol. 33, no. 8, pp. 2358–2361, 2018, doi: 10.1016/j.arth.2018.02.067.

[2] A. S. Sultan, M. A. Elgharib, T. Tavares, M. Jessri, and J. R. Basile, "The use of artificial intelligence, machine learning and deep learning in oncologic histopathology," J. Oral Pathol. Med., vol. 49, no. 9, pp. 849–856, 2020, doi: 10.1111/jop.13042.

[3] P. P. Shinde and S. Shah, "A Review of Machine Learning and Deep Learning Applications," Proc. - 2018 4th Int. Conf. Comput. Commun. Control Autom. ICCUBEA 2018, pp. 1–6, 2018, doi: 10.1109/IC- CUBEA.2018.8697857.

[4] Q. Bi, K. E. Goodman, J. Kaminsky, and J. Lessler, "What is machine learning? A primer for the epidemiologist," Am. J. Epidemiol., vol. 188, no. 12, pp. 2222–2239, 2019, doi: 10.1093/aje/kwz189.

[5] J. Yu et al., "Noninvasive IDH1 mutation estimation based on a quantitative radiomics approach for grade II glioma," Eur. Radiol., vol. 27, no. 8, pp. 3509–

3522, 2017, doi: 10.1007/s00330-016-4653-3.

[6] R. Chen and M. Snyder, "Promise of personalized omics to precision medicine," Wiley Interdiscip. Rev. Syst. Biol. Med., vol. 5, no. 1, pp. 73–82, 2013, doi: 10.1002/wsbm.1198.

[7] Rui Ha, Pengyu Liu and Kebin Jia, "An Improved Adaptive Median Filter Algorithm and Its Application", International conference in Advances in Intelligent Information Hiding and Multimedia Signal Processing, 2016.

[8] Madhu S. Nair , P. M. Ameera Mol, "An Efficient Adaptive Weighted Switching Median Filter for Removing High Density Impulse Noise", Springer ,J. Inst. Eng. India, 95(3):255–278, 2014.

[9] Duan F, Zhang Y-J,"A Highly effective impulse noise detection algorithm for switching median filters", IEEE Signal Process. Lett., 17(7), pp. 647–650, 2010.

[10] L. E. Rossovskii, "Image Filtering with the Use of anisotropic diffusion",ISSN 0965-5425, Computational Mathematics and Mathematical Physics,Vol. 57, No. 3, pp. 401–408, 2017.

[11] Resmi R. Nair, Ebenezer David and Sivakumar Raja gopal, "A robust anisotropic diffusion filter with low arithmetic complexity for images", EURASIP Journal on Image and Video Processing, vol-48, 2019.

[12] M. Hanmandlu, D.V. Ramona Murthy Vamsi Krishna Madasu, "Fuzzy Model based recognition of handwritten Hindi characters", International Conference on Computer and Information Science (ICIS 2007) 0-7695-2841-4,IEEE 2007.

[13] Akanksha Gaur, Sunita Yadav, "Handwritten Hindi character recognition using K Means clustering and SVM", International Symposium on Emerging Trends and Technologies in Libraries and Information Services, pp. 65-70,IEEE 2015.

[14] Nikita Singh, "An Efficient Approach for handwritten devanagari character recognition based on Artificial Neural Network", IEEE 2018.

[15] Whig, P., & Ahmad, S. (2019). Methodology for Calibrating Photocatalytic Sensor Output. *International Journal of Sustainable Development in Computing Science, 1*(1), 1-10. Retrieved from https://ijsdcs.com/index.php/ijsdcs/article/view/4

[16] Pawan Whig and S. N Ahmad, "CMOS Integrated VDBA-ISFET Device for Water Quality Monitoring, International journal of intelligent engineering and systems, accepted for publication 2014,Vol.7, No.1,2014. (Scopus) ISSN: 2185-3118

[17] Pawan Whig and Vaibhav Bhatia," Performance Analysis of Multi-Functional Bot System Design Using Microcontroller" International Journal of Intelligent Systems and Applications,2014 ,02 pp 69-75.ISSN No: 2074-9058

[18] Pawan Whig and S. N. Ahmad, "Development of Low Power Dynamic Threshold PCS System", Journal of Electrical and Electronic Systems,2014, Vol. 3, Issue3, pp. 1-6. ISSN No:2332-0796

[19] Pawan Whig and S. N. Ahmad, "Novel FGMOS Based PCS Device for Low Power Applications ",Photonic Sensor(Springer), 2015,Vol.5,Issue 2, pp 1-5.(SCI, ISI Index) ISSN No: 1674-9251

[20] Pawan Whig and S. N. Ahmad,"Impact of Parameters on characteristic of Novel PCS" ,Canadian journal of Basic and applied Science, 2015 , Vol.3, Issue2,pp 45-52. ISSN No: 2292-3381

[21] Ruchin, Chandan Mahto and Pawan Whig," Design and Simulation of Dynamic UART Using Scan Path Technique (USPT)", International Journal of Electrical, Electronics & Computer Science Engineering" 2015,Vol 1, pp 6-11. ISSN No: 2348-2273

[22] Aastha Sharma, Abhishek Kumar, Pawan Whig," On the performance of CDTA based novel analog inverse low pass filter using 0.35µm CMOS parameter", International Journal of Science, Technology & Management, 2015, Vol 4, Issue 1, pp. 594-601. ISSN No: 1460-6720

[23] Pawan Whig and S. N Ahmad," Simulation and Performance Analysis of Low Power Quasi Floating Gate PCS Model ", International Journal of Intelligent Engineering and Systems, 2016, Vol 9, Issue 2, pp. 8-13(Scopus). ISSN: 2185-3118

[24] Pawan Whig and S. N Ahmad ," Ultraviolet Photo Catalytic Oxidation (UVPCO) Sensor for Air and Surface Sanitizers Using CS amplifier", global Journal of researches in engineering: F 2016, Vol. 16, Issue 6, pp.1-13. ISSN Numbers: Online: 2249-4596 Print: 0975-5861 DOI: 10.17406/GJRE

[25] Arrese A and Albarran AB (2003) Time and media markets: Summary and research agenda. In: Albarran AB and Arrese A (eds) Time and Media Markets. London: Lawrence Erlbaum Associates Publishers, pp. 161–171.