СПИСОК ВИКОРИСТАНОЇ ЛІТЕРАТУРИ

1. Chetviorkin I. Extraction of Russian Sentiment Lexicon for Product Meta-Domain/ Chetviorkin I., Loukachevitch N. // COLING — 2012.

2. Пазельская А. Метод определения эмоций в текстах на русском языке / Пазельская А., Соловьев А. // The international conference on computational linguistics and intellectual technologies "Dialogue 2011" — Москва, 2011. — С. 510 – 522

3. Zainuddin N. Sentiment Analysis Using Support Vector Machine/ N. Zainuddin, A. Selamat // Computer, Communications, and Control Technology (I4CT), 2014 International Conference on – 2014 – P. 333 – 337

4. Liu B. A survey of opinion mining and sentiment analysis. / B. Liu, L. Zhang // Mining Text Data. Springer US – 2013. – P. 415– 463

5. Zhang H. Machine Learning and Lexicon based Methods for Sentiment Classification / H. Zhang, W. Gan, B. Jiang // WISA '14 Proceedings of the 2014 11th Web Information System and Application Conference – 2014 – P. 262-265

6. Chen T. Using a Sequence Model for Sentiment Analysis/ T. Chen, R. Xu, Y. He, Y. Xia, X. Wang, // International Journal of Advanced Computer Science and Applications – 2017 – Vol. 8, No. 6, – P.34-44

7. Kim Y. Convolutional Neural Networks for Sentence Classification / Y. Kim // arXiv .—2014. — P.16

8. Lobur M., Romanyshyn M., Romaniuk A. Sentiment-annotated corpus of reviews in Ukrainian / M. Lobur, M. Romanyshyn, A. Romaniuk // Комп'ютерні системи проектування. Теорія і практика: відп. ред. М.В. Лобур.-Л.: Вид-во Львівської політехніки.— Вісник Нац. ун-т «Львів. політехніка»; № 747 — 2012.— С.131-138.

9. Kurylo O. Polarity lexicon development forsentiment analysis. / Kurylo O., Romaniuk A. // Комп'ютерні системи проектування. Теорія і практика: відп.

ред. М.В. Лобур.-Л.: Вид-во Львівської політехніки— Вісник Нац. ун-т «Львів. політехніка»; № 747.— 2012.— С.105-108.

10. Romanyshyn M.   Rule-based sentiment analysis of Ukrainian reviews / M. Romanyshyn // International Journal of Artificial Intelligence & Applications (IJAIA).— 2013.— Vol. 4, No. 4. — P. 134-138

11. Rajaraman A. Mining of massive datasets / A. Rajaraman, J.D. Ullman // Stanford University, 2011. — 457 p.

12. Mikolov T. Efficient estimation of word representations in vector space. / T. Mikolov, K. Chen, G. Corrado, J. Dean //CoRR – 2013 – . 1301.4876

13. Pennington J. GloVe: Global Vectors for Word Representation. [Electronic resource]/ J. Pennington, R. Socher, C. D. Manning. — Mode of access: https://nlp.stanford.edu/pubs/glove.pdf

14. Mykulyak A. UGTag, [Electronic resource]/ A. Mykulyak — Mode of access: http://www.domeczek.pl/~polukr/parcor/

15. Turney P. Thumbs up or thumbs down? Semantic orientation applied to unsupervised classification of reviews / P. Turney // Proceedings of ACL-02, 40th Annual Meeting of the Association for Computational Linguistics, Association for Computational Linguistics — 2002 — P. 417–424.

16. Turney, P Mining the Web for synonyms: PMI-IR versus LSA on TOEFL. / P. Turney // Proceedings of the Twelfth European Conference on Machine Learning — 2001 — P. 491-502

17. Usha, M. Analysis of sentiments using unsupervised learning techniques/ M. Usha Devi M. I //. Information Communication and Embedded Systems (ICICES) — 2013 — P.45-52

18. Клековкина М. В. Методы анализа текста в смешанном дизайне исследования/ М. В. Клековкина, Е.В. Котельников // RCDL-2012. — 2012. . — P.122-128

19. Fawcett T. An introduction to ROC analysis / T. Fawcett // Pattern Recognition Letters – Special issue: ROC analysis in pattern recognition . — 2006. — P. 861-874

20. Athanasiou V. Dealing with High Dimensional Sentiment Data Using Gradient Boosting Machines/ Vasileios Athanasiou, Manolis Maragoudakis// 12th IFIP International Conference and Workshops – 2016 – P. 322-331

21. Kalaivani P. Sentiment Classification Of Movie Reviews By Supervised Machine Learning Approaches / P.Kalaivani, Dr. K.L.Shunmuganathan //, ISSN – 2013 – Vol. 4 No.4 – P.165-169

22. Kim Y. Convolutional Neural Networks for Sentence Classification / Y. Kim // arXiv .—2014. — P.16

23. Olah C. Understanding LSTM Networks [Electronic resource] / C.Olah — 2015. — Mode of access: http://colah.github.io/posts/2015-08-Understanding-LSTMs/

24. Tarasov D. S. Deep Recurrent Neural Networks for Multiple Language Aspect-based Sentiment Analysis of User Reviews/ D. S. Tarasov // Reviewdot research,Kazan. – 2016. – P.123-135

25. Fawcett T. ROC graphs with instance-varying costs/ T. Fawcett // Pattern Recognition Letters – Special issue: ROC analysis in pattern recognition . — 2006. — P. 861-874

26. Ukranian and Russian reviews [Electronic resource] — 2017. — Mode of access: – https://github.com/udsclub/ucu_sentiment/data

27. West J. Spring Research Presentation: A Theoretical Foundation for Inductive Transfer./ J. West, D. Ventura, S. Warnick // Brigham Young University, College of Physical and Mathematical Sciences. —2007. — P.12-20

28. Yosinski J. How transferable are features in deep neural networks? J. Yosinski, J. Clune, Y. Bengio, H. Lipson // Advances in Neural Information Processing Systems 27 —2014 — P. 3320-3328.

29. Olivas E. Handbook Of Research On Machine Learning Applications and Trends: Algorithms, Methods and Techniques (2 Volumes)/ E. Olivas, J. D. M. Guerrero, M. Martinez-Sober, J. R. Magdalena-Benedito // Valensia, Spain – 2009 – P.344-347

30. Dai W. Translated Learning: Transfer Learning across Different Feature Spaces / W. Dai, Y. Chen, G. Xue // Advances in Neural Information Processing Systems 21 (NIPS 2008) – 2008 – P.234-241

31. Kim J-K. Cross-Lingual Transfer Learning for POS Tagging without Cross-Lingual Resources / J-K. Kim ,Y-B Kim, R. Sarikaya , E.Fosler-Lussier // Conference on Empirical Methods in Natural Language Processing – 2017 – P.2283-2288

32. Zhang X. Character-level Convolutional Networks for Text Classification / X. Zhang, J. Zhao, Y. LeCun //Advances in Neural Information Processing Systems 28 (NIPS 2015) – 2015 – P.567-572

33. Elman J.L. Distributed Representations, Simple Recurrent Networks, And Grammatical Structure/ J. L. Elman // Machine Learning – 1991 – V.7 – P.195-225

34. Lai S. Recurrent Convolutional Neural Networks for Text Classification / S. Lai, L. Xu, K. Liu, J. Zhao // Twenty-Ninth AAAI Conference on Artificial Intelligence – 2015 – P.876-884

35. Gers F. A. Learning to forget: Continual prediction with LSTM./ F. A. Gers , J. Schmidhuber, F. Cummins // Neural computation, 12(10) – 2006- P. 2451-2471.

36. Hochreiter S. Long short-term memory. / S. Hochreiter, J. Schmidhuber //Neural computation, 9(8) – 1997 – P.1735-1780.

37. Hochreiter S. (2001). Gradient flow in recurrent nets: the difficulty of learning long-term dependencies [Electronic resource]/ S. Hochreiter, Y. Bengio, P. FrasconiJ . — 2012. — Mode of access: https://pdfs.semanticscholar.org/2e5f/2b57f4c476dd69dc22ccdf547e48f40a994c.pdf

38. Graves, A. Supervised sequence labelling with recurrent neural networks/ A. Graves / Springer (Vol. 385) – 2012 – P.123-128

39. Kim Y. Character-Aware Neural Language Models / Y. Kim, Y. Jernite, D. Sontag, A.M. Rush // AAAI'16 Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence – 2016 – P. 2741-2749

40. Sosa P.M. Twitter Sentiment Analysis using combinedLSTM-CNN Models [Electronic resource] / P.M. Sosa— 2017. — Mode of access: https://www.academia.edu/35947062/Twitter_Sentiment_Analysis_using_combined_LSTM-CNN_Models

41. Wang J. Dimensional Sentiment Analysis Using a Regional CNN-LSTM Model / J. Wang, L.-C. Yu, K.R. Lai, X.Zhang // Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics – 2016 – P.876-883

42. Warde-Farley D. An empirical analysis of dropout in piecewise linear networks [Electronic resource] / D. Warde-Farley, I. J. Goodfellow, A. Courville, Y. Bengio – 2014 – Mode of access: https://arxiv.org/pdf/1312.6197.pdf

43. Hinton G.E. Improving neural networks by preventing co-adaptation of feature detectors [Electronic resource] / G. E. Hinton, N. Srivastava, A. Krizhevsky, I. Sutskever, R. R. Salakhutdinov – 2012- Mode of access: https://arxiv.org/pdf/1207.0580.pdf

44. Ioffe S. Batch Normalization: Accelerating Deep Network Training by Reducing Internal Covariate Shift / S. Ioffe, C. Szegedy // ICML – 2015 – P.333-345

45. Welcome to Python [Electronic resource]. — Mode of access: https://www.python.org/

46. Tensorflow [Electronic resource]. — Mode of access: https://www.tensorflow.org/

47. Pytorch [Electronic resource]. — Mode of access: https://pytorch.org/

48. Keras: The Python Deep Learning library [Electronic resource]. — Mode of access: https://keras.io/