

Acknowledgements. The work has been financially supported by Ministry of Education and Science of the Russian Federation (contract no. 02.G25.31.0146) as a part of RF Government Regulation no. 218 execution.

References

1. Aggarwal C. *Data Classification: Algorithms and Applications*. CRC Press, 2014, pp. 245–273.
2. Zhang X., Zhao J., LeCun Y. Character-level Convolutional Networks for Text Classification. *Proc. of the Neural Information Processing Systems Conf. (NIPS 2015)*. Montreal, Canada, 2015. Available at: <https://arxiv.org/abs/1509.01626> (accessed July 18, 2016).
3. Ju R. An Efficient Method for Document Categorization Based on Word2vec and Latent Semantic Analysis. *2015 IEEE Int. Conf. on Computer and Information Technology; Ubiquitous Computing and Communications; Dependable, Automatic and Secure Computing; Pervasive Intelligence and Computing*. Liverpool, UK, 2015, pp. 2276–2283.
4. Moraes R., Valiati J.F., Gavião Neto W.P. Document-level sentiment classification: An empirical comparison between SVM and ANN. *Expert Systems with Applications*. 2013, no. 40, pp. 621–633.
5. Pontiki M., Galanis D., Pavlopoulos J., Papageorgiou H., Androutsopoulos I., Manandhar S. SemEval-2014 Task 4: Aspect based sentiment analysis. *Proc. 8th Int. Workshop on Semantic Evaluation (SemEval 2014)*. Dublin, Ireland, 2014, pp. 27–35.
6. Medhat W., Hassan A., Korashy H. Sentiment analysis algorithms and applications: A survey. *Ain Shams Engineering Journ.* 2014, no. 5, pp. 1093–1113.
7. Polyakov I.V., Sokolova T.V., Chepovsky A.A., Chepovsky A.M. Text classification problem and features set. *Vestn. NGU. Ser.: Informatsionnye tekhnologii* [Novosibirsk State Univ. Journ. of Information Technologies]. 2015, vol. 13, iss. 2, pp. 55–63 (in Russ.).
8. Tarasov D.S. Deep Recurrent Neural Networks for Multiple Language Aspect-Based Sentiment Analysis. *Computational Linguistics and Intellectual Technologies: Proc. of Annual Int. Conf. "Dialogue-2015"*. Moscow, Russia, 2015, vol. 2, iss. 14 (21), pp. 65–74.
9. Ghiassi M., Olschimke M., Moon B., Arnaudo P. Automated text classification using a dynamic artificial neural network model. *Expert Systems with Applications*. 2012, no. 39, pp. 10967–10976.
10. Fuller C.M., Biros D.P. and Delen D. An investigation of data and text mining methods for real world deception detection. *Expert Systems with Applications*. 2011, no. 38, pp. 8392–8398.
11. Yang Y. An evaluation of statistical approaches to text categorization. *Information Retrieval Jour.* 1999, vol. 1, iss. 1, pp. 69–90.
12. Haykin S. *Neural networks: A comprehensive foundation*. 2nd ed., Pearson Education Publ., Singapore, 2001, 824 p.

Примеры библиографического описания статьи

1. Батура Т.В. Методы автоматической классификации текстов // Программные продукты и системы. 2017. Т. 30. № 1. С. 85–99; DOI: 10.15827/0236-235X.117.085-099.
2. Batura T.V. Automatic text classification methods. *Programmnyye produkty i sistemy* [Software & Systems]. 2017, vol. 30, no. 1, pp. 85–99 (in Russ.); DOI: 10.15827/0236-235X.117.085-099.