

ПЕРЕЛІК ПОСИЛАНЬ

1. Хайкин С. Нейронные сети. Полный курс / Саймон Хайкин. – Москва: Аграф, 2006. – 864 с.
2. Вьюгин В. В. Математические основы машинного обучения и прогнозирования / В. В. Вьюгин. – Москва: МЦНМО, 2014. – 631 с.
3. Beaumont C. Microcomputer Forecasting Software: A Surway / C. Beaumont, E. Mahmoud, V. McGee. // Journal of Forecasting. – 2005. – №4. – С. 305–311.
4. Keating B. A. Forecasting - Practices and Teachings / B. A. Keating, J. H. Wilson. // The Journal of Business Forecasting. – 1997. – С. 10–13.
5. Rune P. Machine learning methods for vehicle predictive maintenance using off-board and on-board data / Prytz Rune. // Halmstad University Press. – 2014. – №9. – С. 124–132.
6. Mercedes fleetboard vehicle management. [Електронний ресурс]. – 2014. – Режим доступу до ресурсу: <https://www.fleetboard.info/fileadmin/content/international/Brochures/VM.pdf>.
7. MAN TeleMatics efficient operation [Електронний ресурс]. – 2014. – Режим доступу до ресурсу: <http://www.truck.man.eu/global/en/services-and-parts/efficient-operation/man-telematics/overview/MAN-TeleMatics.html>.
8. AB Volvo. Remote Diagnostics remote diagnostics : Volvo trucks [Електронний ресурс]. – 2014. – Режим доступу до ресурсу: http://www.volvotrucks.com/trucks-na/en-us/business_tools/uptime/remote_diagnostics/Pages/Remote_Diagnostics.aspx.
9. Volkswagen. Volkswagen on the road to big data with predictive marketing in aftermarket [Електронний ресурс]. – 2014. – http://www.csc.com/auto/insights/101101-volkswagen_on_the_road_to_big_data_with_predictive_marketing_in_aftermark
10. Von Harald Weiss. Ingenieur.de predictive maintenance: Vorhersagemodelle krempeln die wartung um [Електронний ресурс]. – 2014. –

<http://www.ingenieur.de/Themen/Forschung/Predictive-Maintenance-Vorhersagemodelle-krempeln-Wartung-um>.

11. On Star on-star services [Електронний ресурс]. – 2014. – <https://www.onstar.com>
12. Trevor H. The Elements of Statistical Learning / H. Trevor, T. Robert, F. Jerome. – New York: Wiley, 2008. – 764 c.
13. Christopher B. Pattern Recognition and Machine Learning / Bishop Christopher. – New York: Spring Street, 2009. – 758 c.
14. Kevin P. Machine Learning A Probabilistic Perspective / P. Murphy Kevin. – London, 2012. – 567 c.
15. PETER H. Machine Learning in Action / HARRINGTON PETER. – NY: Shelter Island, 2012. – 382 c.
16. MARSLAND S. Machine Learning: An Algorithmic Perspective / STEPHEN MARSLAND., 2014. – 562 c.
17. Richert W. Building Machine Learning Systems with Python / W. Richert, L. Coelho., 2013. – 290 c.
18. Хайкин С. Нейронные сети. Полный курс / Саймон Хайкин. – Москва: Аграф, 2006. – 864 c.
19. Goodfellow I. Deep Learning / I. Goodfellow, Y. Bengio, A. Courville. – 2013: Curran Associates. – 802 c.
20. Hulse V. Experimental perspectives on learning from imbalanced data / V. Hulse, J. Khoshgoftaar, T. Napolitano. // Proceedings of the 24th International Conference on Machine Learning. – 2007. – C. 935–942.
21. Cost-sensitive boosting for classification of imbalanced data. Pattern Recognition / Y. Sun, M. Kamel, A. Wong, Y. Wang. – 2007. – №40. – C. 3358–3378.
22. Fault detection and diagnosis using principal component analysis of vibration data from a reciprocating compressor / M. Ahmed, M. Baqqar, F. Gu, A. Ball. // Proceedings of the UKACC International Conference on Control. – 2012.
23. Batista M. A study of the behavior of several methods for balancing machine learning training data / M. Batista, R. Prati, M. Monard. // SIGKDD Explorations Newsletter. – №6. – C. 20–29.

24. Advanced Troubleshooting Guide for Air Brake Compressors.. // Bendix Commercial Vehicle Systems LLC.. – 2006. – №4. – C. 326–364.
25. Richert W. Building Machine Learning Systems with Python / W. Richert, L. Coelho., 2013. – 290 c.
26. Breiman L. Random forests. Machine Learning / Breiman. – NY, 2003. – 563 c.
27. Buddhakulsomsiri J. Sequential pattern mining algorithm for automotive warranty data / J. Buddhakulsomsiri, A. Zakarian. // Computers & Industrial Engineering. – 2007. – №57. – C. 137–147.
28. Synthetic minority over-sampling technique / N. V.Chawla, K. W. Bowyer, L. O. Hall, W. P. Kegelmeyer. // Journal of Artificial Intelligence Research. – 2002. – №16. – C. 321–357.
29. Choudhary A. K. Data mining in manufacturing: a review based on the kind of knowledge / A. K. Choudhary, J. A. Harding, M. K. Tiwari. // Journal of Intelligent Manufacturing. – 2009. – №20. – C. 501–521.
30. Dal Pozzolo A. Comparison of balancing techniques for unbalanced datasets / A. Dal Pozzolo, O. Caelen, G. Bontempi. – C, 2012. – 631 c.
31. Fogelstrom K. A. Prognostic and diagnostic system for air brakes. / K. A. Fogelstrom. – K, 2009. – 320 c.
32. Frisk E. Data-driven lead-acid battery prognostics using random survival forests / E. Frisk, M. Krysander, E. Larsson. // Proceedings of the 2:nd European Conference of the PHM Society. – 2002. – №2. – C. 23–41.
33. Guyon I. An introduction to variable and feature selection / I. Guyon, A. Elisseeff. // Journal of Machine Learning Research. – 2003. – №3. – C. 1157–1182.
34. Feature Extraction: Foundations and Applications / I.Guyon, S. Gunn, M. Nikravesh, L. Zadeh. – New York: Springer-Verlag, 2006. – 653 c.
35. Hazewinkel M. Encyclopedia of Mathematics / M. Hazewinkel. – NY: Springer, 2009. – 512 c.
36. He H. Learning from imbalanced data / H. He, E. Garcia. // IEEE Transactions on Knowledge and Data Engineering 21. – 2009. – C. 1263–1284.

37. Technical Review of On-Line Monitoring Techniques for Performance Assessment / J.Hines, D. Garvey, R. Seibert, A. Usynin. // Theoretical Issues. Technical review NUREG/CR-6895. – 2008. – №2. – C. 62–74.
38. Technical Review of OnLine Monitoring Techniques for Performance Assessment / J.Hines, J. Garvey, D. Garvey, R. Seibert. // Limiting Case Studies. Technical review NUREG/CR-6895. – 2008. – №3. – C. 125–134.
39. Hines J. Technical Review of On-Line Monitoring Techniques for Performance Assessment / J. Hines, R. Seiber. // State-of-the-Art. Technical review NUREG/CR-6895. U.S. Nuclear Regulatory Commission. – 2006. – №2. – C. 89–91.
40. Jardine A. A review on machinery diagnostics and prognostics implementing condition-based maintenance / A. Jardine, D. Lin, D. Banjevic. // Mechanical Systems and Signal Processing. – 2006. – №20. – C. 1483–1510.
41. Jayanth N. Compressor protection and diagnostic system. / N. Jayanth. – B., 2010. – 631 c.
42. Liao L. Review of hybrid prognostics approaches for remaining “useful life prediction of engineered systems, and an application to battery life prediction / L. Liao, F. Kottig. // IEEE Transactions on Reliability. – 2014. – №63. – C. 191–207.
43. Ma J. Applications of fault detection and diagnosis methods in nuclear power plants / J. Ma, J. Jiang. // Progress in Nuclear Energy. – 2011. – №53. – C. 255–266.
44. Predictive diagnosis based on a fleet-wide ontology approach / G.Medina-Oliva, A. Voisin, M. Monnin, J. Leger. – B: Knowledge, 2014. – 630 c.
45. Molina L. Feature selection algorithms: a survey and experimental evaluation / L. Molina, L. Belanche, A. Nebot. // Proceedings of IEEE International Conference on Data Mining. – 2002. – №4. – C. 306–313.
46. Napierala K. BRACID: a comprehensive approach to learning rules from imbalanced data / K. Napierala, J. Stefanowski. // Journal of Intelligent Information Systems. – 2012. – №39. – C. 335–373.
47. Peng Y. Current status of machine prognostics in condition-based maintenance: a review. / Y. Peng, M. Dong, M. Zuo. // International Journal of Advanced Manufacturing Technology. – 2010. – №50. – C. 297–313.

48. Analysis of truck compressor failures based on logged vehicle data [Електронний ресурс] / R.Prytz, S. Nowaczyk, T. Rognvaldsson, S. Byttner // Proceedings of the 2013 International Conference on Data Mining. – 2013. – Режим доступу до ресурсу: [http://worldcomp-proceedings.com/proc/p2013/DMI.html..](http://worldcomp-proceedings.com/proc/p2013/DMI.html)
49. Filev D. An industrial strength novelty detection framework for autonomous equipment monitoring and diagnostics / D. Filev, R. Babu. // An industrial strength novelty detection framework for autonomous equipment monitoring and diagnostics. – 2010. – №6. – С. 767–779.
50. S. H. D'Silva. Diagnostics based on the statistical correlation of sensors / S. H. D'Silva. // Society of Automotive Engineers (SAE). – 2008.
51. Vachkov G. Intelligent data analysis for performance evaluation and fault diagnosis in complex systems / Gancho Vachkov. // . In Proceeding sof the IEEE International conference on fuzzy systems. – 2006. – С. 6322–6329.
52. Kargupta H. The Vehicle Data Stream Mining System for Ubiquitous Environments / H. Kargupta, M. Gilligan. // Lecture Notes in Computer Science. – 2010. – С. 235–254.
53. Mosallam A. Data-driven prognostic method based on bayesian approaches for direct remaining useful life prediction [Електронний ресурс] / A. Mosallam, K. Medjaher // Journal of Intelligent Manufacturing. – 2014. – Режим доступу до ресурсу: <http://dx.doi.org/10.1007/s10845-014-0933-4>.
54. R Foundation for Statistical Computing [Електронний ресурс]. – 2014. – Режим доступу до ресурсу: <http://www.R-project.org>.
55. Zhang Y. Connected vehicle diagnostics and prognostics, concept, and initial practice / Y. Zhang, G. Gant. // IEEE Transactions on Reliability. – 2009. – №58. – С. 286–294.
56. Frisk E. Data-driven lead-acid battery prognostics using random survival forest / E. Frisk, M. Krysander. – 2014.
57. Zakarian A. Sequential pattern mining algorithm for automotive warranty data / Armen Zakarian. // Computers & Industrial Engineering. – 2008. – С. 137– 147.

58. Rajpathak D. G. An ontology based text mining system for knowledge discovery from the diagnosis data in the automotive domain / D. G. Rajpathak. // Computers in Industry. – 2013. – №64. – C. 565– 580.
59. Reimer M. Service Relationship Management – Driving Uptime in Commercial Vehicle Maintenance and Repair / M. Reimer. – 2013: White paper. – 632 c.
60. Swiniarski R. Rough sets as a front end of neuralnetworks texture classifiers / R. Swiniarski, L. Hargis. // Neurocomputing. – 2001. – №23. – C. 85–102.
61. Swiniarski R. Rough set methods in feature selection and recognition / R. Swiniarski, A. Skowron. // Pattern recognition letters. – 2003. – №26. – C. 833–849.
62. Tan L. Digital signal processing: fundamentals and applications / L. Tan, J. Jiang. – Colombo: Academic Press, 2013. – 362 c.
63. Tanaka K. Stability analysis and design of fuzzy control systems / K. Tanaka, M. Sugeno. // Fuzzy sets and systems. – 1992. – №45. – C. 135–156.
64. Tesauro G. Td-gammon, a self-teaching backgammon program, achieves master-level play / Gerald Tesauro. // Neural computation. – 1994. – №4. – C. 215–219.
65. Tian Z. An artificial neural network method for remaining useful life prediction of equipment subject to condition monitoring / Zhigang Tian. // Journal of Intelligent Manufacturing. – 2013. – №23. – C. 35–41.
66. A data-driven failure prognostics method based on mixture of gaussians hidden markov models / D.Tobon-Mejia, K. Medjaher, N. Zerhouni, G. Tripot. // IEEE Transactions on Reliability. – 2012. – №64. – C. 491–503.
67. Hayes M. Statistical Digital Signal Processing and Modeling / Hayes., 1996.
68. Random Forest (Regression, Classification and Clustering) implementation for MATLAB (and Standalone) [Електронний ресурс] – Режим доступу до ресурсу: <https://code.google.com/archive/p/randomforest-matlab/>.
69. A Library for Large Linear Classification [Електронний ресурс] – Режим доступу до ресурсу: <https://www.csie.ntu.edu.tw/~cjlin/liblinear/>.
70. A Library for Support Vector Machines [Електронний ресурс] – Режим доступу до ресурсу: <https://www.csie.ntu.edu.tw/~cjlin/libsvm/>

71. Vapnik V. The nature of statistical learning theory. / Vladimir Vapnik. – NY: Springer Science & Business Media, 2001. – 621 c.
72. Vaseghi. S. Advanced digital signal processing and noise reduction / Saeed Vaseghi.. – NY: John Wiley & Sons, 2008. – 365 c.
73. Wang C. Fault diagnosis for diesel valve trains based on time–frequency images / C. Wang, Y. Zhang, Z. Zhong. // Mechanical Systems and Signal Processing. – 2008. – №21. – C. 1981–1993.
74. Wang C. Applications of fault diagnosis in rotating machinery by using time series analysis with neural network / C. Wang, Y. Kang, P. Shen. // Expert Systems with Applications. – 2010. – №37. – C. 1696– 1702.
75. Intergovernmental Panel on Climate Change. Transport and Its Infrastructure. // Cambridge. – 2007. – №5. – C. 741.
76. A systematic review of interventions for promoting active transportation to school / P.Chillón, K. Evenson, A. Vaughn, D. Ward. – NY: Springer, 2008. – 621 c.
77. Policy 2.0 Platform for mobile sensing and incentivized targeted shifts in mobility behavior / I.Semanjski, A. Aguirre, J. Mol, S. Gautama. // Sensors. – 2015. – №6. – C. 74–84.
78. Meijkamp R. Changing consumer behaviour through eco-efficient services / R. Meijkamp. // An empirical study of car sharing in the Netherlands. Bus. Strategy Environ. – 2008. – №3. – C. 234–244.
79. Shaheen S. Growth in worldwide carsharing: An international comparison / S. Shaheen, A. Cohen. – Colombo: Knowledge, 2012. – 512 c.
80. Global Report on Urban Health: Equitable, Healthier Cities for Sustainable Development; World Health Organisation (WHO):. // Kobe, Japan. – 2016. – №7. – C. 52.
81. Focus on European Cities. // Eurostat:. – 2016. – №3. – C. 14.
82. Fellows N. An economic and operational evaluation of urban car-sharing / N. Fellows, D. Pitfield. – B.: Environ, 2000. – 122 c. – (3).
83. Musso A. Car sharing in Rome: A case study to support sustainable mobility / A. Musso, M. Corazza, M. Tozzi. – K: MIT Press, 2013. – 512 c.

84. Stasko T. Car sharing in a university setting / T. Stasko, A. Buck, O. Gao. // Impacts on vehicle ownership, parking demand, and mobility in Ithaca, NY. – 2015. – №8. – C. 262–268.
85. Shaheen S. Personal vehicle sharing services in North America / S. Shaheen, M. Mallory, K. Kingsley. – New York: Transp. Bus. Manag., 2012. – 351 c.
86. Kent J. Puncturing automobility? Car sharing practices / J. Kent, R. Dowling. // Transp. Geogr. – 2013. – №9. – C. 365.
87. Prettenthaler F. From ownership to service use lifestyle: The potential of car sharing / F. Prettenthaler, K. Steininger. – K: Academic Press, 2007. – 301 c.
88. Morency C. Car sharing system: What transaction datasets reveal on users' behaviors / C. Morency, M. Trépanier, B. Agard. // In Proceedings of the IEEE Conference on Intelligent Transportation Systems (ITSC), Washington, DC, USA. – 2017.
89. Can we reduce car use and, if so, how? A review of available evidence / E.Graham-Rowe, S. Skippon, B. Gardner, C. Abraham. // Transp. Res. A Policy Pract. – 2011. – №45. – C. 401–418.
90. Loose W. The State of European Car-Sharing / W. Loose. // MOMO Project; Bundesverband CarSharing. – 2010. – C. 59–63.
91. Catalano M. Car sharing demand estimation and urban transport demand modelling using stated preference techniques / M. Catalano, B. Casto, M. Miglio. // Eur. Trans. – 2008. – №9. – C. 33–50.
92. Katzev R. Car sharing: A new approach to urban transportation problems. / R. Katzev. // Anal. Soc. Issues Public Policy. – 2003. – №2. – C. 65–86.
93. Analysis of the Market for Carsharing in North America. // Frost & Sullivan Research Service: San Antonio. – 2010. – №24. – C. 254–263.
94. Kitamura R. Sharing electric vehicles in Kyoto: Kyoto public car system / R. Kitamura. // Int. Assoc. Traffic Saf. Sci. Res. – 2001. – №62. – C. 86–89..
95. Fukuda T. Evaluating second car system, an electric vehicle sharing experiment in Tama New Town District, Inagi City, Tokyo / T. Fukuda, S. Kashima, M. Barth. // In

- Proceedings of the TRB 2003 Annual Meeting, Washington, DC, USA. – 2003. – №6. – C. 23–29.
96. Electric car sharing service using mobile technology. / J.Lee, J. Nah, Y. Park, V. Sugumaran. // In Proceedings of the International Conference on Information Resources Management. – 2011. – C. 63–89.
97. Green move: An innovative electric vehicle-sharing system / A.Luè, A. Colorni, R. Nocerino, V. Paruscio. // Procedia Soc. Behav. Sci. – 2012. – C. 2978–2987.
98. Xia M. Aggregator-based interactive charging management system for electric vehicle charging / M. Xia, Q. Lai, Y. Zhong. // Energies. – 2016. – C. 893–897.
99. A study on price-based charging strategy for electric vehicles on expressways / L.Chen, Z. Chen, X. Huang, L. Jin. – NY: Energies, 2013. – 385 c.
100. Wappelhorst S. Potential of electric carsharing in urban and rural areas / S. Wappelhorst, M. Sauer, D. Hinkeldein. // Transp. Res. Procedia. – 2016. – C. 374–386.
101. Barth M. UCR INTELLISHARE: An intelligent shared electric vehicle testbed at the University of California, Riverside / M. Barth, M. Todd. // IEEE Transactions on Reliability. – 2003. – №8. – C. 48–57..
102. Raslavicius L. Electric vehicles challenges and opportunities: Lithuanian review. / L. Raslavicius, B. Azzopardi, A. Keršys. // Renew. Sustain. Energy Rev. – 2015. – C. 786–800..
103. Lebeau K. The market potential for plug-in hybrid and battery electric vehicles in Flanders: A choice-based conjoint analysis. / K. Lebeau, J. Mierlo, P. Lebeau. – NY: Transp. Res. D Transp. Environ, 2012. – 592 c.
104. Propfe B. Market penetration analysis of electric vehicles in the German passenger car market towards 2030 / B. Propfe, D. Kreyenberg, J. Wind. // Int. J. Hydrogen Energy. – 2015. – №23. – C. 5201–5208.
105. Вецко В.І. Про прогнозування несправностей транспортних засобів [Текст]: матеріали Міжнародної наукової конференції «iScience» (частина III), Київ, 26-27 травня 2017 року. – Київ.: МЦНД, 2017. – C.22 – 23.

106. Вецко В.І. Про прогнозування несправностей транспортних засобів [Текст] // В.І. Вецко, Л.Ф.Гуляницький// Науковий журнал «Молодий вчений». – Херсон: Видавничий дім «Гельветика», 2017. – №5 (45) травень 2017р. – С.1 – 4.