**Table 10.3.** List of library units relevant to the study programme

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| N.o. | Title | Author(s) | Publisher | Year |
| 1. | Big Data Analytics: A Hands-On Approach | Bahga, A., Madisetti, V. | Arshdeep Bahga & Vijay Madisetti | 2016 |
| 2. | Data Science & Big Data Analytics: Discovering, Analyzing, Visualizing and Presenting Data | EMC Education Services | John Wiley & Sons, Inc. | 2015 |
| 3. | Big Data Analytics with R and Hadoop | Prajapati, V. | Packt Publishing | 2013 |
| 4. | Data Visualisation: A Handbook for Data Driven Design, 2nd Edition | Kirk, A. | SAGE Publications Ltd | 2019 |
| 5. | Data Analysis and Visualization Using Python | Embarak,O. | Apress | 2018 |
| 6. | Learn R for Applied Statistics | Goh, Е., Hui, М. | Apress | 2019 |
| 7. | An introduction to statistical learning: with application in R | James, G., Witten, D., Hastie, T., Tibshirani, R. | New York: Springer | 2013 |
| 8. | Head First Statistics: A Brain-Friendly Guide | Griffiths, D. | O’Reilly Media ISBN 0596527586 | 2008 |
| 9. | Maths and Stats for Web Analytics and Conversion | Sharma, H. | Blurb  ISBN 1364849186 | 2015 |
| 10. | Predictive Analytics: The Power to Predict who Will Click, Buy, Lie, or Die | Siegel, E. | Wiley, ISBN 9781119145677 | 2016 |
| 11. | Digital Marketing Essentials: A comprehensive Digital Marketing Textbook | Larson, J., Draper, S. | Stukent, ISBN 0998713813 | 2017 |
| 12. | Marketing Analytics | Winston, L., W. | John Wiley & Sons, Inc | 2014 |
| 13. | R for Marketing research and Analytics | Chapman, C., Mc Donnell Feit, E. | Springer Intern. Publishing | 2015 |
| 14. | Python for Marketing research and Analytics | Schwarz, J., Chapman, C., Mc Donnell Feit, E. | Springer Intern. Publishing | 2020 |
| 15. | Marketing Data Science – Modelling Techniques in Predictive Analytics with R and Python | Miller, W., T. | Pearson | 2015 |
| 16. | Harvard Guide to Using Sources: A Publication of the Writing Program. |  | Harvard College | 2018 |
| 17. | Short Guide to College Writting, 5th Edition, | Barnet, S., Bellanca, P., Stubbs, M. | Pearson Academic Publishing | 2014 |
| 18. | Academic Writing for University Students | Bailey, S. | Routledge. | 2022 |
| 19. | Mastering Academic Writting | Samuels, B., Garbati, J. | Sage Publications | 2019 |
| 20. | Academic writing for graduate students: essential tasks and skills, 3rd Edition | Swales, J.M., Feak, C.B. | The University of Michigan Press | 2012 |
| 21. | Exploring research - 9th Edition | Salkind, N. J. | Pearson Education | 2018 |
| 22. | Business Research Methods - Third Edition | Bryman, A., Bell, E. | Oxford University Press Inc. | 2011 |
| 23. | Mastering Python for Finance, 2nd edition | Weiming, J., M. | Packt Publishing | 2019 |
| 24. | Python for Finance: Build real-life Python applications for quantitative finance and financial engineering | Yuxing, Y. | Packt Publishing | 2014 |
| 25. | Financial market analysis | Blake, D. | John Willey and Sons, Chichester | 2002 |
| 26. | Option, futures and other derivatives, 10th edition | Hull, J. | Springer Verlag | 2017 |
| 27. | Analysing Financial Data and Implementing Financial Models Using R | Ang, C. | Springer | 2015 |
| 28. | Quantitative Financial Analytics: The Path to Investment Profits | Williams, E., Dobelman, J. | World Scientific, Singapore | 2017 |
| 29. | A Handbook of News Analytics in Finance | Mitra, G. & Mitra, L. | John Wiley & Sons Ltd, Chichester, UK | 2012 |
| 30 | Financial Analytics with R: Building a Laptop Laboratory for Data Science | Bennet, M. & Hugen, D. | Cambridge University Press | 2016 |
| 31. | Introductory Econometrics for Finance | Brooks, C., М. | Cambridge University Press | 2009 |
| 32. | Applied mathematics for business, economics, life sciences and social sciences | Barnett, R.,Zeigler, M., Byleen, K. | Pearson Education Limited | 2011 |
| 33. | Elements of Mathematics for Economics and Finance | Mavron, V., C., Phillips, T., N. | Springer-Verlag London | 2010 |
| 34. | Essential Mathematics for Economic Analysis | Sydsaeter, K., Hammond, P. | Prentice Hall, Pearson Education | 2016 |
| 35. | Mathematical Modeling in Economics, Ecology and the Environment | Hritonenko, N., Yatsenko, Y. | Kluwer Academic Publishers | 2012 |
| 36. | Essential Mathematics for Economics and Business | Bradley, T., Patton, P. | John Wiley & Sons, LTD | 2012 |
| 37. | Mathematics for Economics and Business | Jacques, I. | Prentice Hall, Pearson Education | 2010 |
| 38. | Finance and Derivatives: Theory and Pratice | Bossu, S., Henrotte, P. | John Wiley & Sons, LTD | 2012 |
| 39. | Business Statistics, 2nd edition | Sharma, J., K. | Pearson Education | 2012 |
| 40. | Statistical Methods, 3rd edition | Freund, R., J., Wilson, W., J., Mohr, D., L. | Elsevier. USA | 2010 |
| 41. | Statistics for Business and Economics | James, T., McClave, J., T., Benson, P., Sincich, G., T. | Pearson Prentice Hall | 2008 |
| 42. | Statistical Methods for Practice and Research. A guide to data analysis using SPSS, 2nd editon | Gaur, A., Gaur, S. | SAGE Publicaton, Inc, USA | 2009 |
| 43. | Discovering Statistics Using SPSS, 3rd edition | Field, A. | SAGE Publicaton, Inc, USA | 2009 |
| 44. | A Handbook of Statistical Analyses Using SPSS | Landau, S., Everitt, B.S. | Chapman & Hall/CRC Press LLC, Florida USA | 2004 |
| 45. | Hands-On Simulation Modeling with Python | Ciaburro, G. | Packt Publishing Ltd | 2020 |
| 46. | An Introduction to Data Analysis in R: Hands-on Coding, Data Mining, Visualization and Statistics from Scratch | Saiz, A., Z. et al. | Springer | 2020 |
| 47. | Applied econometrics | Asteriou, D., Hall, S. G. | Macmillan International Higher Education | 2015 |
| 48. | Applied econometrics with R | Kleiber, C., Zeileis, A. | Springer Science & Business Media | 2008 |
| 49. | Panel data econometrics with R | Croissant, Y., Millo, G. | John Wiley and Sons, Incorporated | 2019 |
| 50. | Using R for Introductory Econometrics, 2nd edition | Heiss, F. | Independently published | 2020 |
| 51. | Introductory Time Series with R | Cowpertwait, P., Metcalfe, S., Andrew, V. | Springer Science+Business Media | 2009 |
| 52. | Practical Time Series Forecasting with R: A Hands-On Guide, 2nd Edition | Shmueli, G., Lichtendahl Jr, K.C. | Axelrod Schnall Publishers | 2018 |
| 53. | Time Series with Python: How to Implement Time Series Analysis and Forecasting Using Python | Mather, B. | Kindle Edition | 2019 |
| 54. | Automate the Boring Stuffwith Python | Sweigart, A. | No Starch Press, San Francisco | 2015 |
| 55. | Numerical methods in engineering with Python 3 | Kiusalaas, J. | Cambridge University Press | 2013 |
| 56. | Advanced guide to Python 3 programming | Hunt, J. | Springer | 2019 |
| 57. | R for Data Science | Grolemund, G., Wickham, H. | O'Reilly | 2017 |
| 58. | R Markdown: The Definitive Guide | Xie, Y., Allaire, J. J., Grolemund, G. | CRC Press | 2020 |
| 59. | Discovering Statistics Using R | Field, A., Miles, J., Field, Z. | SAGE Publications Ltd | 2012 |
| 60. | Fuzzy Logic and Neurofuzzy Applications in Business and Finance | Von Altrock, C. | Prentice Hall PTR | 1997 |
| 61. | Fuzzy Logic for Business, Finance and Management | Bojadziev, G.  Bojadziev, M. | World Scientific | 1997 |
| 62. | Hybrid Intelligent Systems | Medsker, L.R. | Kluwer Academic Publishers | 1995 |
| 63. | Fundamentals of business process management | Dumas, M., La Rosa, M., Mendling, J., Reijers, A. | Heidelberg: Springer | 2013 |
| 64. | Business Process Management Cases - Digital Innovation and Business Transformation in Practice | Brocke, J., Mendling, J. | Springer | 2018 |
| 65. | Financial Enterprise Risk Management | Sweeting, P. | Cambridge University Press | 2011 |
| 66. | Financial Risk Management - Models | Malz, А. | History and Institutions. John Wiley & Sons Ltd | 2011 |
| 67. | Measuring Market Risk | Dowd, K. | John Wiley & Sons Ltd | 2002 |
| 68. | Operational Risk Toward Basel III - Best Practices and Issues in Modeling | Gregoriou, G. N. | Management, and Regulation. John Wiley & Sons Ltd | 2009 |
| 69. | The Financial and Institutional Environment for Sustainable Economic Growth of Developing Countries: The Case of Western Balkan | Stanković, J. Z., Petrović, E., Denčić-Mihajlov, K. | *European Financial Systems 2018. Proceedings of the 15th International Scientific Conference,  Brno, Czech Republic, June 25-26, 2018* (pp. 689-696). | 2018 |
| 70. | Sustainable Risk Management | Wilderer, P., Renn, O., Grambow, M., Molls, M., Mainzer, M. | Springer | 2017 |
| 71. | Introduction to Machine Learning | Alpaydin, E. | MIT Press | 2004 |
| 72. | Learning from Data | Magdon-Ismail, M., AbuMostafa, Y. | AMLBook | 2012 |
| 73. | Machine-learning Techniques in Economics - New Tools for Predicting Economic Growth | Basuchoudhary, A., Bang, J. T., Sen, T. | Springer, ISBN 978-3-319-69013-1 | 2017 |
| 74. | Machine Learning in Finance - From Theory to Practice | Dixon, M. F., Halperin, I., Bilokon, P. | Springer, ISBN 978-3-030-41067-4 | 2020 |
| 75. | Python Machine Learning - Second Edition: Machine Learning and Deep Learning with Python | Raschka, S., Mirjalili, V. | Packt, ISBN 978-1787125933 | 2017 |
| 76. | Deep Learning with Python | Chollet, F. | Manning Publications | 2017 |
| 77. | Deep Learning (Adaptive Computation and Machine Learning series) | Goodfellow, I., Bengio, Z., Courville, A. | MIT Press | 2016 |
| 78. | Management and Cost Accounting | Drury, C. | Cengage Learning EMEA | 2015 |
| 79. | Advanced Cost & Management Accounting: Excellence in Accounting | Kushwaha, J., Pallavi, J. | Kindle Edition | 2020 |
| 80. | Financial and Managerial Accounting | Wild, J., Shaw, K. | Infromation for decision. Mc Graw Hill | 2015 |
| 81. | Decision-Making Management | Marugan, A., Marquez, F. | A Tutorial and Applications | 2017 |
| 82. | Introduction of Financial accounting | Annand, D., Dauderis, H. | Lyryx Learning, Inc | 2021 |
| 83. | Principles of Financial accounting | Christine Jonick, Ed.D. | University of North Georgia Press Dahlonega | 2017 |
| 84. | MCDM approach for assessment of financial performance of Serbian banks | Marjanović I., Popović Ž. | Contributions of Economics, Springer Nature Switzerland AG, Cham, 71-90. | 2020 |
| 85. | The Digital Competitiveness of European Countries: A Multiple-Criteria Approach | Stanković J. J., Marjanović I., Drezgić S., Popović Ž. | Journal of Competitiveness 13(2), 117–134. | 2021 |
| 86. | Computing trading strategies based on financial sentiment data using evolutionary optimization | Hochreiter, R. | Advances in Intelligent Systems and Computing 378: 181-191 | 2015 |
| 87. | Financial scenario generation for stochastic multi-stage decision processes as facility location problems | Hochreiter, R.,. Pflug, G. Ch | Annals of Operations Research 152(1): 257-272 | 2007 |
| 88. | Business Process Management by Applying the Maturity Model | Radosavljević, M. | Faculty of Economics, Niš | 2016 |
| 89. | Adaptive Control of Nonlinear MIMO System With Orthogonal Endocrine Intelligent Controller | Milovanović, M., Antić, D., Milojković, M., Spasić, M. | IEEE Transactions on Cybernetics | 2021 |
| 90. | An improved algorithm for basis pursuit problem and its applications | Saha, T., Srivastava, S., Khare, S., Stanimirović, P., Petković, M. | Applied Mathematics and Computation 355, 385-398. | 2019 |
| 91. | Determinants of financial crises—An early warning system based on panel logit regression | Jemović, М., Marinković, S. | International Journal of Finance & Economics, 26 (1): 103–117. | 2021 |
| 92. | Quantitative Methods for Business | Anderson, D. R., Sweeney, D. J., Williams, T. A., Camm, J. D., Cochran, J. J., Fray, M. J., Ohlmann, J. W. | South-Western, Cengage Learning | 2013 |
| 93. | Big Data Fundamentals: Concepts, Drivers & Techniques | Erl, T., Khattak, W., Buhler, P. | Prentice Hall | 2015 |
| 94. | The Analysis of Time Series: An Introduction. Sixth Edition | Chatfield, C. | Chapman and Hall/CRC | 2003 |
| 95. | Analysis of Financial Time Series | Tsay, R. | John Wiley & Sons, Inc. | 2002 |
| 96. | Intoduction Time Series with R | Cowpertwait, P. Metcalfe, A. | Springer Science | 2009 |
| 97. | Time Series Analysis and Its Application: with R Examples, 3rd edition | Shumway, R. Stoffer, D. | Springer Science | 2011 |
| 98. | Integrated Business Processes with SAP ERP+ | Adelsberger, H.H., Khatami, P., Khatami, T. | Duisburg: University of Duisburg-Essen | 2016 |
| 99. | Data Strategy: How to Profit from a World of Big Data, Analytics and the Internet of Things | Marr, B. | Kogan Page | 2017 |
| 100. | Business analytics: data analysis and decision making - 5th edition | Albright, C., Winston,W. | Stamford, CT, USA | 2015 |
| 101. | Data Science for Business | Provost, F., Fawcett, T. | O'Reilly Media Inc., Sebastopol | 2013 |
| 102. | Quantitative Analysis for Management | Render, B., Stair Jr., R. M., Hanna, M. E., Hale, T. S. | Global Edition, Pearson, (Chapter 7, 8) | 2017 |
| 103. | Multiple Criteria Decision Aid - Methods, Examples and Python Implementations | Papathanasiou, J., Ploskas, N. | Series Springer Optimization and Its App., Springer International Publishing (Chapter 1, 2, 3, 5) | 2018 |
| 104. | Pyomo — Optimization Modeling in Python | Hart, W.E., Laird, C.D., Watson, J.-P., Woodruff, D.L., Hackebeil, G.A., Nicholson, B.L., Siirola, J.D. | Series Springer Optimization and Its App., Springer International Publishing (Part I An Introduction to Pyomo) | 2017 |