Curriculum Vitae



Name	BĂDIN
First/Middle Name	ANDREEA LUIZA
Professional Address 1	Department of Applied Mathematics, Bucharest University of Economic Studies, Piaţa Romană nr. 6, Bucharest, Romania
Professional Address 2	ISMMA, Romanian Academy, Calea 13 Septembrie nr. 13
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I. EDUCATION

- PhD in Mathematics (2000–2006), University of Bucharest, Faculty of Mathematics and Computer Science

  Thesis: *Bootstrap Method and Applications to Statistical Analysis of the Data*, Supervisor Prof. Ion Văduva, Defended on 15.09.2006

- Licentiate in Mathematics (1987–1992) University of Bucharest, Faculty of Mathematics and Computer Science (Equivalent B.Sc.+M.Sc.)

  Dissertation: *Major Index and Inversion Number of Permutations. Applications to Statistics on Words*

- *Tudor Vianu* National College of Computer Science (1983–1987)

II. PROFESSIONAL EXPERIENCE

- Academic and Research Positions
  - Associate Professor (2013 - present), Department of Applied Mathematics, Bucharest University of Economic Studies
  - Senior Lecturer (2001 - 2013), Department of Applied Mathematics, Bucharest University of Economic Studies
  - Scientific Researcher (2008 - present), Department of Statistical Inference , *Gheorghe Mihoc - Caius Iacob* Institute of Mathematical Statistics and Applied Mathematics, Romanian Academy
  - Assistant Lecturer (1996 - 2001), Department of Applied Mathematics, Bucharest University of Economic Studies
  - Junior Teaching Assistant (1993 - 1996), Department of Applied Mathematics, Bucharest University of Economic Studies

- Scholarships
  - Doctoral Scholarship, INCO-COPERNICUS Programme IC15-CT98-1007, Stefan cel Mare Project (Sectorial Technical Efficiency And Financial Analysis - a Comparative Evaluation Look to Moldavian and Romanian Economics), financed by European Commission, 1999-2003
  - TEMPUS Scholarship, Université des Sciences Sociales, Toulouse, France, April-July 1997

- Academic and Research Visits
  - Institute of Statistics, Biostatistics and Actuarial Sciences, Université Catholique de Louvain, Louvain la Neuve, Belgium, 30.09.2018 - 09.10.2018

- School of Economics/CEPA, University of Queensland, Australia, 29.07.2017 - 12.08.2017
- DIAG, Sapienza University of Rome, Rome, Italy, 11.09.2016 - 19.09.2016
- Dipartimento di Scienze Dell'Economia, Universita del Salento, Lecce, Italy, June 2015
- DIAG, Sapienza University of Rome, Rome, Italy, 13.04.2015 - 20.04.2015
- DIAG, Sapienza University of Rome, Rome, Italy, 04.12.2014 - 09.12.2014
- Institute of Statistics, Biostatistics and Actuarial Sciences, Université Catholique de Louvain, Louvain la Neuve, Belgium, 22.08.2014 - 08.09.2014
- School of Economics/CEPA, University of Queensland, Australia, 05.07.2014 - 19.07.2014
- DIAG, Sapienza University of Rome, Rome, Italy, 30.06.2013 - 06.07.2013
- Laboratoire de Statistique et Modélisation du Crest à l'Ensai, Rennes, Franţa, 02.12.2012 - 09.12.2012
- Institute of Statistics, Biostatistics and Actuarial Sciences, Université Catholique de Louvain, Louvain la Neuve, Belgium, 13.03.2011 - 26.03.2011
- CIEG Department of Management, University of Bologna, Bologna, Italy, 25.10.2010–30.10.2010
- Institute of Statistics, Université Catholique de Louvain, Louvain la Neuve, Belgium, 10.05.2009 - 17.05.2009
- Institute of Statistics, Université Catholique de Louvain, Louvain la Neuve, Belgium, 04.02.2007 - 16.02.2007
- Institute of Statistics, Université Catholique de Louvain, Louvain la Neuve, Belgium, 23.11.2004 - 05.12.2004
- Institute of Statistics, Université Catholique de Louvain, Louvain la Neuve, Belgium, 30.06.2003 - 14.07.2003
- Institute of Statistics, Université Catholique de Louvain, Louvain la Neuve, Belgium, 06.01.2002 - 23.02.2002
- Institute of Statistics, Université Catholique de Louvain, Louvain la Neuve, Belgium, 16.11.1999 - 23.02.2000

- Teaching
  - Applied Mathematics in Economics (undergraduate, in English)
  - Probability Theory and Mathematical Statistics (undergraduate, in English)
  - Business Literacy for Data Analysis (Master of Business Analytics, FABIZ, in English)
  - Statistical Hypothesis Testing (undergraduate)
  - Linear Algebra and Calculus(undergraduate)
  - Financial Mathematics (undergraduate)
  - Financial Mathematics (postgraduate, European Institute for Enterprize Administration (IEAI))

- Research
  - Bootstrap and Resampling Methods, Monte Carlo Simulation
  - Statistical and Econometric Modeling
  - Estimation and Inference in Frontier Models
  - Efficiency and Productivity Analysis

- National Research Projects
  1. *Robust Empirical Likelihood and Related Methods for Semiparametric Models*, PN-III-P4-ID-PCE-2020-1112, financed by CNCS-UEFISCDI (National Competition), 2021–2023, project team member.
  2. *Per Aspera Ad Astra: Advanced Econometric Modeling and Quantitative Analysis to Evaluate and Explain Performances in Scientific Research*, PN-II-RU-TE-2014-4-2905, financed by CNCS-UEFISCDI (National Competition), 2015-2017, **Principal Investigator**.
  3. *Assessing the impact of external, environmental factors on the efficiency of economic producers: statistical modeling, software, applications*, PN-II-ID-PCE-2011-3-0893, financed by CNCS-UEFISCDI (National Competition), 2011-2016, **Principal Investigator**.

4. *Comparative Evaluation Techniques of Academic Competencies in Romania*, PROGRAM 4 'Partnerships in priority domains', PN II 91-047/18.09.2007, 2007 - 2010 (Phases I, II, III), project team member.
5. *The Efficiency of the Academic Education in Romania in View of the Dynamics of the Educational-Formation Requirements*, Project CEEX 05-D8-66/11.10.2005, financed by CERES, 2005-2008, project team member.
6. *Perfecţionarea predării şi învăţării ştiinţelor economice folosind software matematic specializat - pregătirea exploatării extinse*, Contract grant CNFIS nr. 93, 2001, project team member.
7. *Perfecţionarea predării şi învăţării ştiinţelor economice folosind software matematic specializat - etapa pilot*, Contract grant CNFIS nr. 37, 1999, project team member.

- International Projects
  - *Efficient Justice for All: Improving Court Efficiency through EU Benchmarking (EfficientJustice)*, European Cooperation in Science and Technology COST Action CA20131, Action Chair Prof. Jaap Bos, Maastricht University, 2021-2025. Role: Management Committee Member, Leader WG2 - Measurement.
  - *Sectorial Technical Efficiency and Financial ANalysis. A Comparative Evaluation Look for Moldavian and Romanian Economics* (STEFAN CEL MARE), Project INCO-COPERNICUS, (CT98-1007), financed by European Commission, 1999-2003, project leader Prof. Léopold Simar. Role: doctoral fellow.

- Editorial Activities and Referee Work
  - Executive Editor: *Economic Computation and Economic Cybernetics Studies and Research*
  - 2009–2023: Member of the Editorial Board, *Applications and Applied Mathematics: An International Journal* (former Godishnik Vissh. Uchebn. Zaved. Prilozhna Mat. – Annals of Technical University Sofia, Applied Mathematics), included Current Mathematical Publications of AMS, indexed in MathSciNet, Zentralblatt MATH.
  - Referee work for: *Annals of Operations Research*, Springer; *Central European Journal of Operations Research*, Springer; *Computational Economics*, Springer; *European Journal of Operational Research*, Elsevier; *Ecological Economics*, Elsevier *Empirical Economics*, Springer; *Health Care Management Science*, Springer; *Journal of Applied Econometrics*, Wiley; *Journal of Multivariate Analysis*, Elsevier; *Journal of Productivity Analysis*, Springer; *Omega - International Journal of Management Science*, Elsevier; *Scientometrics*, Springer; *Socio-Economic Planning Sciences*, Elsevier.

- Professional Memberships
  - Member of the Romanian Society of Probability and Statistics
  - Member of the Romanian Society of Mathematical Sciences
  - Member of ERCIM and CMStatistics

- Member of Organizing committee for National / International Conferences
  - 2011-2023: The Annual Conference of the Romanian Society of Probability and Statistics (SPSR)
  - 16th European Young Statisticians Meeting, Bucharest, August 24-29, 2009 (Under the auspices of European regional Committee of Bernoulli Society, http://eysm2009.ase.ro)
  - The 10th Annual Conference of the Romanian Society of Probability and Statistics, Bucharest, April 13-14, 2007
  - The 6th Annual Conference of the Romanian Society of Probability and Statistics, Bucharest, February 22-23, 2003
  - Central and Eastern European Workshop on Efficiency and Productivity Analysis (CEWEPA), Bucharest, June 28-29, 2002

- Administrative duties
  - Director of the Center for Advanced Fundamental and Applied Mathematical Research (CCMAFA), Bucharest University of Economic Studies, since 2018
  - 2024- present: Member of the Faculty Council, Faculty of Cybernetics, Statistics and Informatics, Bucharest University of Economic Studies
  - 2020-2024: Member of the Faculty Council, Faculty of Cybernetics, Statistics and Informatics, Bucharest University of Economic Studies
  - 2016-2020: Member of the Faculty Council, Faculty of Cybernetics, Statistics and Informatics, Bucharest University of Economic Studies
  - 2012-2016: Member of the Senate of Bucharest University of Economic Studies
- Other
  - Times cited
    - Web of Science (without self-citations): 575 / H-Index: 6
    - Google Scholar: 1080 / H-Index: 9
  - 2024 - The Association of Faculties of Economics in Romania (AFER) prize for *The Best Article Published in an Economics Journal* in 2023
  - Foreign languages: English, French
  - Software: Matlab, R, Statistica, LaTeX, Microsoft Office
  - Auditor Certificate, Bucharest University of Economic Studies, 2003

III. PUBLICATIONS

- Articles in International Peer Reviewed Journals

1. Pereira, M.A., **Bădin, L.**, Kerstens, K., Silva, M.C., An integrative approach to reviewing the literature on judicial efficiency in Europe, *Socio-Economic Planning Sciences*, Vol. 98, 102137, 2025. [Q2]
2. Agapie, A., Solomon, O., **Bădin, L.**, Theory of (1+1) ES on SPHERE revisited, *IEEE Transactions on Evolutionary Computation*, Vol. 27 (4), 938-948, 2023. [Q1]
3. Giuclea, M., Agapie, A., **Bădin, L.**, Dedu, S., Mircioi, I., Solomon, O., Biteş, R., Determinants of Success in Graduation: An Empirical Study, *Review of International Comparative Management*, Vol. 22, 4, 579-589, 2021.
4. Agapie, A., **Bădin, L.**, Dedu, S., Giuclea, M., Mircioi, I., Solomon, O., Analyzing factors accountable for success in completing university studies, *Review of International Comparative Management*, Vol. 21, 3, 423-431, 2020.
5. **Bădin, L.**, Daraio, C., Simar, L., A bootstrap approach for bandwidth selection in estimating conditional efficiency measures, *European Journal of Operational Research*, vol. 277 (2), pp 784–797, ISSN: 0377-2217, Elsevier, 2019. [Q1]
6. **Bădin, L.**, Daraio, C. and L. Simar, Explaining inefficiency in nonparametric production models: the state of the art, *Annals of Operations Research*, 214 (1), 5–30, Springer, 2014. [Q2]
7. **Bădin, L.**, Daraio, C., Simar, L., How to measure the impact of environmental factors in a nonparametric production model, *European Journal of Operational Research*, vol. 223 (3), pp 818–833, ISSN: 0377-2217, Elsevier, 2012. [Q1]
8. **Bădin, L.**, Daraio, C., Simar, L., Optimal Bandwidth Selection for Conditional Efficiency Measures: a Data-driven Approach, *European Journal of Operational Research*, vol. 201 (2), pp 633–640, ISSN: 0377-2217, Elsevier, 2010. [Q1]
9. **Bădin, L.**, Simar, L., A bias-corrected nonparametric envelopment estimator of frontiers, *Econometric Theory*, vol. 25 (5), pp 1289-1318, 2009, ISSN: 0266-4666, Cambridge University Press [Q1]
10. Agapie, A., **Bădin, L.**, Confidence Intervals for the Guesstimation Algorithm: a Bootstrap Approach, *Economic Computation and Economic Cybernetics Studies and Research*, Vol. 43, nr. 3, pp 167-178, 2009, ISSN-0424-267X. [Q4]
11. **Bădin, L.**, Some Remarks on Nonparametric Estimation of Conditional Efficiency Measures, *Economic Computation and Economic Cybernetics Studies and Research*, Vol. 41, nr. 3-4, pp 239-244, 2007, ISSN-0424-267X. [Q4]
12. **Bădin, L.**, A Note on Some Exact Jackknife and Bootstrap Estimators, *Economic Computation and Economic Cybernetics Studies and Research*, Vol. 41, no.1-2, pp 179-188, 2007, ISSN-0424-267X. [Q4]
13. **Bădin, L.**, Ciumara, R., Stochastic Frontier Estimation Using Simulated Annealing, *Economic Computation and Economic Cybernetics Studies and Research*, Vol. 40, no.3-4, pp 197-210, 2006, ISSN-0424-267X.
14. **Bădin, L.**, On the Consistency of Some Bootstrap Estimators, *Economic Computation and Economic Cybernetics Studies and Research*, pp 39-50, 4/1999.

- Articles in National Journals (in Romanian)

– **Bădin, L.**, Tehnici de reeşantionare a datelor de selecţie pentru calculul estimatorilor bootstrap, *Studii şi Cercetări de Calcul Economic şi Cibernetică Economică*, 41(4), pp 141-148, 2007, ISSN 0585-7511.

– **Bădin, L.**, Reeşantionarea uniformă a datelor de selecţie pentru calculul estimatorilor bootstrap, *Studii şi Cercetări de Calcul Economic şi Cibernetică Economică*, 41(3), pp 139-146, 2007, ISSN 0585-7511.

– **Bădin, L.**, Metoda bootstrap în analiza regresiei, *Studii şi Cercetări de Calcul Economic şi Cibernetică Economică*, 41(2), 2007.

– **Bădin, L.**, Intervale de încredere bootstrap. Rezultate empirice, *Studii şi Cercetări de Calcul Economic şi Cibernetică Economică*, pp 61-69, 3, 1999.

- ISI Proceedings Papers

1. **Bădin, L.**, Dedu, S., Şerban-Oprescu, A.T., Şerban, F., *Reflecting on Romanian Universities Ranking: An Entropy-based Approach to Evaluate Scientific Research*, Proceedings of the 15th International Conference on Informatics in Economy, IE 2016: Education, Research & Business Technologies, 403-408, ISSN 2284-7472.
2. Agapie, A., **Bădin, L.**, *Hybrid Evolutionary Algorithms for Detecting Parameter Stability in Economic Systems*, Proc. Of the World Multiconference on Information Systems, Analysis and Synthesis & Systemics Cybernetics and Informatics (ISAS/SCI), Orlando, Florida, Vol. VIII, pp 93-98, 1999, ISBN 980-07-5919-0.

- Other Proceedings Papers

1. **Bădin, L.**, Daraio, C., Simar, L., *Bias Correction for Nonparametric Conditional Efficiency Estimators*, 14th Applied Stochastic models and Data Analysis, ASMDA 2011 Roma, 101-108, ISBN 97888467–3045–9.
2. **Bădin, L.**, *Nonparametric Efficiency Analysis: Recent Developments*, Proceedings of the 6^{th} Congress of Romanian Mathematicians, pp 433–438, Editura Academiei Române, 2009. [MathSciNet, Zentralblatt MATH]
3. **Bădin, L.**, *Recent Advances on Nonparametric Estimation of Conditional Efficiency Measures*, "Trends and Challenges in Applied Mathematics" (ICTCAM 2007), Eds. Păltineanu, G., Popescu, E., Toma, I., Editura MATRIX ROM, 2007, ISBN 978-973-755-283-9. [Zentralblatt MATH]
4. **Bădin, L.**, *Estimation of Farrell Efficiency Measures: Nonparametric vs. Parametric Approach*, 33^{rd} International Conference "Applications of Mathematics in Engineering and Economics" (AMEE'07), Sozopol, Bulgaria, 2007.
5. **Bădin, L.**, Ciumara, R., *Stochastic Frontier Approach to Efficiency Measurement*, Proc. of The 5^{th} International Symposium on Economic Informatics, Bucharest, Romania, pp 488-492, 2001, ISBN 973-99450-4-X.
6. **Bădin, L.**, Firici, M., *Efficiency Measurement Using Data Envelopment Analysis: An Application to Romanian Agriculture*, Proc. Of the World Multiconference on Information Systems, Analysis and Synthesis & Systemics Cybernetics and Informatics (ISAS/SCI), Orlando, Florida, Vol X, pp 131-137, 2000.

- Books

1. Beganu, G., **Bădin, L.**, Covrig, M., Manu, L., Toma, A., *Teoria probabilităţilor şi statistică matematică*, Editura Meteor Press, 335 pg, 2002, ISBN 973-8339-13-8.
2. Spircu, L., **Bădin, L.**, Ciumara, R., Mitruţ, D., *Eficienţă şi Productivitate. Tehnici de Măsurare, Software şi Aplicaţii Economice*, Editura Economica, 206 pg, 2001, ISBN 973-590-421-7.
3. Şerban, R., **Bădin, L.**, Carpuşcă, M., Ciurea, G., *Algebră liniară - Culegere de probleme*, Editura ASE Bucureşti, 241 pg, 2001, ISBN 973-9462-54-5.
4. Cenuşă, Gh., Filip, A., Raischi, C., Toma, A., Baz, S., Iftimie, B., **Bădin, L.**, Agapie, A. (2000), *Matematici pentru economişti - Culegere de probleme*, Editura CISON, 440 pg (pp 359-421), 2000, ISBN 973-99725-8-6.

- Book Chapters

1. **Bădin, L.**, Mastromarco, C., Zago, A., *Taking into Account the Courts' Operating Environment*, in Handbook on the performance of courts of justice. A comparative analysis based on court data, Eds. Bos, J., Silva, M. and A. Zago, Cambridge University Press, forthcoming.
2. Toma, A., Keziou, A., **Bădin, L.**, Dedu, S., Equivariant robust estimators for moment condition models (Chapter 19) Yiannis Dimotikalis, Christos H. Skiadas (Eds.), Data Analysis and Related Applications 4: New Approaches, ISTE-Wiley, 11 pg, 2024.

3. **Bădin, L.**, Mastromarco, C., Lagravinese, R., *A nonparametric journey through conditional frontier models*, in The Cambridge Handbook of Healthcare - Productivity, Efficiency, Effectiveness, Eds. Grosskopf, S., Valdmanis, V. and V. Zelenyuk, Cambridge University Press, 2024, ISBN 9781009483766. https://doi.org/10.1017/9781009483766
4. **Bădin, L.**, Dedu, S., Şerban-Oprescu, A.T., Şerban, F., *Reflecting on Romanian Universities Ranking: An Entropy-based Approach to Evaluate Scientific Research*. In: Silaghi G., Buchmann R., Boja C. (Eds.), Lecture Notes in Business Information Processing, vol. 273, pp. 175-183, Springer, 2018, ISBN 9787-3-319-73458-3.
5. **Bădin L.**, Daraio C., *Explaining Efficiency with Nonparametric Frontier Models. Recent Developments in Statistical Inference*, in Exploring Research Frontiers in Contemporary Statistics and Econometrics, A Festschrift in honor of Léopold Simar, Eds. Ingrid Van Keilegom and Paul Wilson, Springer-Verlag, 2012, DOI 10.1007/978-3-7908-2349-3_7.
6. **Bădin, L.**, Horvat, L., Wagner, P., *Analiza eficienţei şi productivităţii industriei româneşti în perioada 1991-1997*, în Marin, D., Spircu, L., *Analize economice cantitative*, Editura Independenţa Economică, pp 226-238, 2001, ISBN 973-99972-7-9 (in Romanian).
7. **Bădin, L.**, Capitolul IV – Statistică Matematică, in *Matematici aplicate în economie - Culegere de probleme*, Popescu, O. (coordonator), Editura Didactică şi Pedagogică Bucureşti, pp 183-274, 1996, ISBN 973-30-4339-7 (in Romanian).

- Textbooks, Manuals, Tutorials
  - Colectivul Departamentului de Matematici Aplicate, coordonator Marius Giuclea, *Modele de teste-grilă pentru admiterea la Facultatea de Cibernetică, Statistică şi Informatică Economică*, *Disciplina Matematică*, Editura ASE, 210 pg, 2026, ISBN: 978-606-34-0608-9.
  - **Bădin, L.**, Giuclea, M., Agapie, A., *Applied Mathematics for Economists*, 2019, digital.
  - Raischi, C., Iftimie, B., Mircea, I., Vegheş, O., Covrig, M., **Bădin, L.**, Giuclea, M., *Admitere 2010 Teste Grilă şi de autoevaluare*, Editura Cison Bucureşti, 239 pg, 2010, ISBN 978-973-8301-18-4.
  - Cenuşă, Gh., Iftimie, B., Raischi, C., Mircea, I., **Bădin, L.**, Vegheş, O., Giuclea, M., Covrig, M., *Admitere 2009 Teste Grilă şi de autoevaluare*, Editura Cison Bucureşti, 241 pg, 2009, ISBN 978-973-8301-18-4.
  - Cenuşă, Gh., Burlacu, V., Raischi, C., Mircea, I., Vegheş, O., Iftimie, B., **Bădin, L.**, Covrig, M., *Teste grilă pentru bacalaureat şi admiterea în învăţământul superior economic*, Editura Plus Bucureşti, 251 pg, 2008, ISBN 978-973-88372-I-8.

- Working Papers, Technical Reports, Manuscripts
  - **Bădin, L.**, Daraio, C. and L. Simar, How to measure the impact of environmental factors in a nonparametric production model?, *Technical Report TR10054*, Interuniversity Attraction Pole, Phase VI (IAP Network), Institut de Statistique, UCL, Louvain la Neuve, Belgia, 2010.
  - **Bădin, L.**, Daraio, C. and L. Simar, Optimal Bandwith Selection for Conditional Efficiency Measures: a Data-Driven Approach, *Technical Report TR08038*, Interuniversity Attraction Pole, Phase VI (IAP Network), Institut de Statistique, UCL, Louvain la Neuve, Belgia, 2008.
  - **Bădin, L.**, *Bootstrap Methods in Statistics - An Introductory Course*, International School MSPAS/ETASM (*Multidimensional Signal Processing And Analysis School: Methods, Algorithms, Technologies, Applications*), XII-th Edition, Braşov, 17-29 Iulie, 28 pg. `http://alpha.imag.pub.ro/ro/etasm/mspas2006.html`, 2006.
  - **Bădin, L.**, Simar, L., A bias-corrected nonparametric envelopment estimator of frontiers, *Technical Report TR0410*, Interuniversity Attraction Pole (IAP Network), Institut de Statistique, UCL, Louvain la Neuve, Belgia, 2004.
  - **Bădin, L.**, Simar, L., Confidence intervals for the DEA-type efficiency scores: How to avoid the computational burden of the bootstrap?, *Technical Report TR0322*, Interuniversity Attraction Pole (IAP Network), Institut de Statistique, UCL, Louvain la Neuve, Belgia, 2003.

– Spircu, L., Crişan, A., Wagner, P., **Bădin, L.**, Ciumara, R., Horvat, L., *Technical Efficiency in Romanian Industry. A Macro Level Analysis* - Research Report for Stefan Cel Mare, INCO-COPERNICUS (ERB IC 15 - CT98 - 1007), International Research Project, 2000.

IV. CONFERENCES, WORKSHOPS, SEMINARS

– Invited Talks

1. *Bandwidth selection for nonparametric conditional efficiency estimation*, Symposium on Production Frontiers and Efficiency Measures, TBS Education Research Center of Excellence on Sustainable Development and CSR, Toulouse Business School, March 28-29, **Toulouse, France**.
2. *Confidence intervals for efficiency scores in non-convex technologies*, Applied Economics Seminar, School of Economics / CEPA, University of Queensland, August 7, 2017, **Brisbane, Australi**a.
3. *Nonparametric Conditional Efficiency Analysis: Recent Methodological Developments and Practical Implementation*, Applied Economics Seminar, School of Economics / CEPA, University of Queensland, July 16, 2014, **Brisbane, Australia**.
4. *CondEff: A Toolbox for Conditional Efficiency Measurement*, Seminar MORE @ DIAG, Dipartimento di Ingegneria Informatica, Automatica e Gestionale, Sapienza University of Rome, July 4, 2013, **Rome, Italy**.
5. *Bias Correction for Nonparametric Conditional and Unconditional Efficiency Estimators: A Monte Carlo Study*, Exploring Research Frontiers in Contemporary Statistics and Econometrics: Conference in Honor of Professor Léopold Simar, 14-15 Mai 2009, Institute of Statistics, Université Catholique de Louvain, **Louvain la Neuve, Belgium**.
6. *Bootstrap Methods in Statistics - An Introductory Course*, International School *Multidimensional Signal Processing And Analysis School: Methods, Algorithms, Technologies, Applications*(MSPAS/ETASM), XII-th Edition, July 17-29, 2006, **Braşov, Romania**.

– Conferences and Workshops Presentations

1. **Bădin, L.**, Mastromarco, C., Zago, A., *The Role of Environmental Variables in Explaining Courts Efficiency. The Case of Italy*, COST Action 20131 Workshop, June 26, 2025, **Canazei, Italy**.
2. **Bădin, L.**, *How do we control for institutional and other elements when comparing courts and legal systems?*, COST Action 20131 Workshop, September 7-9, 2023, **Istanbul, Turkey**.
3. **Bădin, L.**, Mastromarco, C., Lagravinese, R., *A Nonparametric Journey Through Conditional Frontier Models*, Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS 2023), July 26-28, 2023, **Bucharest, Romania**.
4. **Bădin, L.**, Mastromarco, C., Lagravinese, R., *Performance assessment of the Italian healthcare system: a nonparametric conditional frontier approach*, The 24th Conference of the Romanian Society of Probability and Statistics, April 21-22, 2023, **Bucharest, Romania**.
5. **Bădin, L.**, Mastromarco, C., Lagravinese, R., *Performance Assessment of the Italian Healthcare System Using Conditional Nonparametric Efficiency Models*, Statistical Modeling with Applications StatMod2022 - hybrid event, October 14-15, 2022, **Bucharest, Romania**.
6. **Bădin, L.**, Mastromarco, C., Lagravinese, R., *Performance Assessment of the Italian Healthcare System Using Conditional Nonparametric Efficiency Models*, The 17th European Workshop of Efficiency and Productivity Analysis (EWEPA XVII), June 27-30, 2022, **Porto, Portugal**.
7. **Bădin, L.**, *Recent Developments in Conditional Frontier Analysis*, 19th Conference of the Applied Stochastic Models and Data Analysis International Society (ASMDA2021) - hybrid event, June 1-4, 2021, **Athens, Greece**.
8. **Bădin, L.**, Dedu, S., Şerban Oprescu, A.T., Şerban, F., *An Integrative Framework for Evaluating Scientific Research*, Statistical Modeling with Applications (StatMod2020) - online event, ISMMA, November 6-7, 2020, **Bucharest, Romania**.
9. **Bădin, L.**, Patilea, V., Simar, L., *Confidence intervals for efficiency scores in non-convex technologies*, vNAPW XI (virtual) North American Productivity Workshop XI, June 8-12, 2020, **Miami, Florida**.

10. **Bădin, L.**, Daraio, C., Simar, L., *A bootstrap based approach for bandwidth selection in estimating conditional efficiency measures*, 22nd Conference of the Romanian Society of Probability and Statistics (SPSR), May 10-11, 2019, **Bucharest, Romania**.
11. Aldea, A., **Bădin, L.**, Lipară, C., *Assessing and Explaining the Impact of Stock Volatility on the Efficiency of Listed Commercial Banks*, XVI-th European Workshop on Efficiency and Productivity Analysis, June 10-13, 2019, **London, UK**.
12. **Bădin, L.**, Daraio, C., Simar, L., *A bootstrap based approach for bandwidth selection in estimating conditional efficiency measures*, Annual Conference of the Romanian Academic Economists from Abroad (ERMAS 2018), July 25-27, 2018, **Iasi, Romania**.
13. **Bădin, L.**, Daraio, C., Simar, L., *A bootstrap based approach for bandwidth selection in estimating conditional efficiency measures*, Xth North American Productivity Workshop (NAPW X 2018), June 12-15, 2018, **Miami, Florida**.
14. **Bădin, L.**, *Conditional Efficiency Analysis: Recent Methodological Developments and Practical Implementation*, 21st Conference of the Romanian Society of Probability and Statistics (SPSR), April 13-14, 2018, **Bucharest, Romania**.
15. **Bădin, L.**, Daraio, C., Simar, L., *Bandwidth selection issues in nonparametric conditional frontier models*, 15th Data Envelopment Analysis Conference, 26-29 June 2017, **Prague, Czech Republic**.
16. **Bădin, L.**, Patilea, V., Simar, L., *Confidence Intervals for Efficiency Scores in Non-convex technologies*, 15th European Workshop of Efficiency and Productivity Analysis, 12-15 June 2017, **London, UK**.
17. **Bădin, L.**, Cinzia Daraio, Leopold Simar, *Bandwidth selection issues in conditional frontier models*, 9th International Conference on Computational and Methodological Statistics ? CM Statistics 2016, 9-11 December, **Seville, Spain**.
18. **Bădin, L.**, Daraio, C., Simar, L., *Optimal bandwidth selection in conditional frontier models: a Monte Carlo investigation*, 19th Conference of the Romanian Society of Probability and Statistics, May 27-28, 2016, **Bucharest, Romania**.
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