

CURRICULUM VITAE

LUCA FARNIA

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SUMMARY OF SKILLS

Strong experience and proficiency in mathematical, statistical computing, data management and graphics with *R Cran* programming language. Expert in the construction of additive and non-additive Composite Indices and in Decision Makers preferences' fuzzy elicitation. Proficient in Regression analysis, Time series analysis, Monte Carlo Simulation, Bootstrap, Forecasting; Multivariate regression, Principal Component and Factor Analysis, Cluster Analysis.

Ability to present findings to no technical audience. Ability to meet deadlines. Developed sense of initiative and problem-solving attitude. Motivation, reliability, accuracy in my work. Very good interpersonal and communication skill.

INTERNATIONAL EXPERTS CONSULTATION

Task Force Member on Leading, Composite and Sentiment Indicators, United Nations Economic Commission for Europe (UNECE), Genève (CH) (8-10 December 2015; July 6-7 2017).

Consulted expert and contributing authors for the "[Green Growth Performance Measurement tool \(GGPM\)](#)", Seoul (February 15-16 2017), Geneva (June 7-8 2018), Rome (December 7-8 2018).

WORKING EXPERIENCE

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| From 2019
To 2020 | Cà Foscari University of Venice (IT)
<i>Adjunct Professor</i>
Course "Review of Calculus" for international students at the faculty of Science and Technology |
| From 2012
To present | Fondazione Eni Enrico Mattei (Venice, IT)
<i>Senior Researcher</i>
Development of composite indicators in various application fields (sustainability, countries' climate risk evaluation, performance's evaluation of researchers and international institutions). Decision Makers preferences' elicitation. Multivariate analysis and regression; Principal Component Analysis, data forecasting and simulation. |
| From 2011
To 2012 | Previnet (Treviso, IT)
<i>Portfolio Insurance Products Administrator</i>
Health insurance products administration by data base management, analysis and SQL querying. |
| From 2010
To 2011 | EconoVision (Rotterdam, NL)
<i>Consultant</i>
Economic and financial analysis for private business and Governmental Institution; financial evaluation of an investment project through cash flow analysis. |
| From 2009
To 2010 | Rand Europe (Cambridge, UK)
<i>Associate Researcher</i>
Analysis and research for Governmental Institutions and European Commission on a wide range of topics –health economics, transportation choice model, crime reduction and |

police workforce optimization, health and wellbeing at workplace, etc- through data analysis, economic theory, mathematical modelling, econometric methods.

Prior 2009 He worked as analyst in national and international institution such as Vodafone (Net quality HQ, Milan, Italy) and Centro Studi Sintetsi (Ve, Italy); he worked as business consultant in mayor offices (Padua, Italy).

EDUCATION AND TRAININGS

2007 **MSc in Mathematical Economics and Econometric Methods**, Tilburg University (NL)

2003 **Master's Degree in Economics and Finance**, Venice International University (IT)

2002 **Laura Magistrale in Economics and Business** (spec. in economics politics-quantitative), University Ca'Foscari of Venice (IT)

LANGUAGES

Italian: native speaker
English: fluent

PC SKILLS

Operating system Dos, Windows: excellent knowledge.
Microsoft Application Office: excellent knowledge.
Mathematical, Statistical computing and graphics programming language *R Cran*: excellent knowledge.
Data Management and Querying SQL: very good knowledge.

HOBBYS AND PERSONAL INTEREST

Playing Soccer, travelling, photography, painting.

REFERENCES

- ✓ C. Carraro, Professor of Econometrics from 1990, Faculty of Economics, Department of Statistics, Cà Foscari University of Venice, IT
- ✓ S. Giove Associate Professor, Department of Applied Mathematics, Cà Foscari University of Venice, IT
- ✓ P. Pellizzari Associate Professor, Department of Applied Mathematics, Cà Foscari University of Venice, IT
- ✓ B. Melemborg Professor of Econometrics and Finance, Department of Econometrics and Operations Research, Tilburg University, NL

PUBLICATIONS

PEER REVIEW JOURNALS

1. S.Marzi et al. (2019). Competence analysis for promoting energy efficiency projects in developing countries: The case of OPEC. *Energy*, 189, 115996
2. L. Farnia et al. (2019). Methodological Insights to Measure the Agenda 2030 at Urban Level in Italy. *Sustainability* 11, no. 17: 4598
3. E.Calliari et al. (2019). A network approach for moving from planning to implementation in climate change adaptation: evidence from southern Mexico. *Environmental Science and Policy*, 93, pages 146-157
4. L. Farnia et al. (2018). A non-additive multicriteria approach for the evaluation of international climate think tanks. *Fuzzy Economic Review*, Vol. 23 , No. 2 , p. 43-62
5. L. Campagnolo et al. (2018). Supporting the UN SDGs transition: methodology for sustainability. *Economics*, Vol. 12, 2018-10
6. L. Campagnolo et al. (2018). The Ex-Ante Evaluation of Achieving Sustainable Development Goals. *Social Indicators Research*
7. M. de Filippo, et al. (2017). Innovation and new business models in tourism. *Rivista di Studi sulla Sostenibilità*, 1
8. M. de Filippo, et al. (2017). Understanding Tourism Innovation through Fuzzy Measures. *World Academy of Science, Engineering and Technology, International Journal of Social and Tourism Sciences*, Vol 4, Issue 6

CHAPTER IN BOOK

1. Farnia L., Giove S. (2015) Fuzzy Measures and Experts' Opinion Elicitation. In: Bassis S., Esposito A., Morabito F. (eds) *Advances in Neural Networks: Computational and Theoretical Issues. Smart Innovation, Systems and Technologies*, vol 37. Springer, Cham

TECHNICAL REPORTS AND WORKING PAPERS

1. L. Farnia (2019). On the Use of Spectral Value Decomposition for the Construction of Composite Indices. *Feem Working Paper*, 2019.008
2. L. Cavalli, L. Farnia (2018). Per un'Italia sostenibile: l'SDSN Italia SDGs City Index 2018. *FEEM publication*
3. L. Cavalli, L. Farnia (2018). Italian Cities SDGs Composite Index. A Methodological Approach to Measure the Agenda 2030 at Urban Level. *Feem Working Paper*, 2019.018
4. L. Campagnolo et al. (2017). Rischi climatici: mitigazione e disclosure nelle imprese italiane. *FEEM publication*.
5. Buccino et al. (2017). Le Capitali Europee della Cultura: il caso studio di "Matera 2019". *FEEM publication*.
6. L. Campagnolo et al. (2015) Assessing SDGs: A new methodology to measure sustainability. *FEEM Working Paper*, vol. 89.201
7. L. Farnia et al. (2015). 2015 ICCG Think Tank Climate Ranking. *FEEM report*.
8. L. Campagnolo et al. (2015) Assessing SDGs: A new methodology to measure sustainability. *FEEM Working Paper*, vol. 89.20
9. L. Farnia et al. (2014). 2014 ICCG Think Tank Climate Ranking. *FEEM report*
10. L. Farnia et al. (2013). 2013 ICCG Think Tank Climate Ranking. *FEEM report*
11. P. Hunt et al. (2011). Testing the Police Workforce Resilience Hypothesis. *RAND Corporation*.

12. D. Kryl et al. (2011). Healthcare Technology Co-operatives. RAND Corporation.

INTERNATIONAL CONFERENCES AND SEMINARS

1. L. Farnia et al.(2019). Methodological Insights to Measure the Agenda 2030 at Urban Level in Italy. XL Conferenza scientifica annuale. Gran Sasso Institute, L'Aquila, 16-18 September.
2. L. Farnia, L. Cavalli (2018). Italian Cities SDGs Composite Index A Methodological Approach to Measure the Agenda 2030 at Urban Level. International Conference on Sustainable Development, Columbia University, 26– 28 September, New York.
3. L. Farnia et al. (2017). High Dimensional Non-Additive Municipalities' Performance Index in a Two Levels Approach. UNECE Seminar on "The Role of National Statistical Offices in the Production of Leading, Composite and Sentiment Indicators", UNECE, Geneva, 6-7 July.
4. L. Farnia (2015). Fuzzy measures, Choquet integral and preferences elicitation: an application to the sustainability composite index. Conference "Dealing with complexity in society: from plurality of data to synthetic indicators", University of Padua, Palazzo Bo, 17-18th September.
5. C. Carraro et al. (2015). Sustainable Development Goals: New Metrics for Monitoring, Verifying and Assessment. SDSN conference on "Implementing the sustainable development goals (SDGs): getting started", New York, 23-24 September.
6. L. Farnia, M. Khoroshiltseva (2015). Value functions and Fuzzy Measures: Good Practices for Constructing Composite Indices. UNECE Seminar on "The Role of National Statistical Offices in the Production of Leading, Composite and Sentiment Indicators", Geneva, 8-10 December.

REVIEWERS OF INTERNATIONAL JOURNALS

1. ENERGY - The International Journal, ELSEVIER
2. Fuzzy Economic Review, SIGEF
3. Journal of Cleaner Production, ELSEVIER