

Curriculum Vitae

Ilaria Benedetti

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Current Position

From 06/2019 onward **Research fellow** at University of Tuscia – Department of Economics, Engineering, Society and Business (Viterbo, Italy) SECS/S-03. Supervisor: Prof. Tiziana Laureti.

From 09/2020 onward **Adjunct Professor at Sapienza University**, Department of Economy, for the “Statistics for business and decision making” course, Economics and communication for management and innovation (ECOMI) master’s degree course.

From 12/2018 onward **Adjunct Professor at University of Tuscia**, Department of Economy, Engineering, Society and Business for the “Statistics for Economics” course, Business and Economics (L-18) bachelor’s degree course.

Previous position

From 06/2018 - 06/2019 **Post-doctoral researcher** at University of Tuscia – Department of Economics, Engineering, Society and Business (Viterbo, Italy) in “Statistical and Economic Analysis for a Sustainable Water use in Agriculture” (SECS/S-03). Supervisor: Prof. Tiziana Laureti.

Education

01/2015 – 04/2018 **PhD in Economics, Statistics and Sustainability**. University of Naples Parthenope, Department of Business and Quantitative Studies. XXX cycle. Doctoral thesis in “*Job quality and the native-migrant gap: an investigation across European countries using a hierarchical approach and an analysis of the French context using decomposition methods*”. Supervisor Prof. Andrea Regoli.

10/2018 **Summer School** on “*Comparative research on migration*”, DIW Berlin, 22nd October to 27th October 2018, (organised by Inclusive Growth Research Infrastructure Diffusion Program)

- 3/2018-4/2018 **Course** on “*Introduction to the R software and statistical applications*”, University of Tuscia, Department of Economics, Engineering, Society and Business, Viterbo March-April 2018;
- 02/2017 **SIS School** on “*Theory and practice of random effect model for multilevel and longitudinal data*”, DISIA, Florence 20-24 February 2017
- 11/2016 - 12/2016 **Visiting Grant** at CEE (Centre des Etudes et Emploi) Paris, CEE, Noisy Le Grand, December 2016.
- 05/2016 **Summer School** on “*Quality of Working Life and Vulnerability*”, CEE, Noisy Le Grand, Paris 09th May to 14th May 2016 (organised by Inclusive Growth Research Infrastructure Diffusion Program)
- 09/2015 **Summer School** on “*Introductory Econometrics and Time Series*”, 22nd June to 27th June 2015, CIDE, University Residential Centre of Bertinoro
- 06/2015 **Summer School** on “*Topics in Micro-econometrics with Applications to Energy and Environmental Economics*” 07th September to 12th September 2015, CIDE, Chamber of Commerce, Palermo.
- 10/2011 – 03/2014 **Master Degree** in “*Marketing and Quality Management*” (LM-77), Department of Economics, Engineering, Society and Business (Viterbo, Italy), University of Tuscia, Viterbo. Supervisor Prof. Tiziana Laureti. Top marks cum laude
- 10/2007 – 07/2011 **Bachelor Degree** in “*Business Administration*” (L-18), Department of Economics, Engineering, Society and Business (Viterbo, Italy), University of Tuscia, Paradiso Street, 47, Viterbo 01100; IT

Main Research interests

Measurement of uncertainty in official poverty and social exclusion indicators by using EU-SILC data through the application of several methodologies (Bootstrap, Jackknife and Linearization).

Computation of Spatial Price Indexes in the context of House Rents (SPIHR) by using the data produced by the Italian Revenue and Tax Agency. The computations of SPIHRs consider type of dwelling, territorial area and zone by using the region-product-dummy-method (RPD) method, which is the regional version of the country-product-dummy (CPD) method used in international comparisons. This paper has been submitted on 04-Aug-2020 to the Journal of Official Statistics. Title: “Sub-national Spatial Price Indexes for Housing: methodological issues and computation for Italy” (REF: JOS-2020-0125).

Computation of spatial price statistics by using Italian scanner data. The procedure used is quite similar to the one used in the ICP (international Comparison Program) to compute the international PPPs (Purchasing Power Parities) at provincial level. The principle of comparability is applied by considering the comparisons of the “like to like” items (products) for the different sub-national areas. This work have been developed in collaboration with the Tuscan Dagum Center and the results have been published in the Makswell report.

In the same stream of literature, in order to evaluate the accuracy associated to point estimates of sub-national PPPs, the Jackknife replication technique is suggested and an empirical application is provided by ISTAT 2018 Scanner Data for the Tuscany region for the basic heading “mineral water”, ”coffee” and ”dried pasta”. The results of this study have been published as articles in "Book of short papers - SIS 2020";

Environmental and Economic Sustainability by using data on Aspect of Daily Life Survey carried out by the Italian National Statistical Institute obtaining interesting results on the individual awareness on environmental problems; these results have been published as articles in Journal of Cleaner Production and Appetite;

Well-being, labor market inequality and economic growth by considering measures of job quality and its differential among categories of workers. The results of these studies have been presented at the workshop on “*Comparative research on migration*”, DIW Berlin (22nd October to 27th October 2018);

Analysis of frontier efficiency developed in the context of the Italians farm in order to assess the technical efficiency of irrigating horticulture farms in Italy in order to provide an estimation of water use efficiency at farm level. The results of this study have been published as an original paper to the Journal of Cleaner Production. This study has been extended in the context of spatial analysis. The results of this extended study have been published as an original paper to Socio Economic and Planning Science Journal;

Decomposition methods (in particular the use of *Recentered Influenced Function regression* and an extension to count data) in the French labor market. The results of these studies have been presented to the workshop at the workshop on “*Comparative research on migration*”, DIW Berlin (22nd October to 27th October 2018) and published in the Estudios de Economia Aplicada Journal;

Multilevel models (with random intercept and random slope specification) applied in the context of European Countries by using Eusilc data in order to evaluate the determinants of job quality. The results of this research have been published as an original paper to Journal of Manpower.

Main Research project

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| 03/2021 to now | Member of the VRAILEXIA – Partnering Outside the Box: Digital and Artificial Intelligence Integrated Tools to Support Higher Education Students with Dyslexia, principal investigator Prof. Giuseppe Calabrò, granted by European Commission in the framework of the program Erasmus+ Strategic Partnership for Higher Education; |
| 01/2020 to 05/2021 | Member of the research project “LODINET LocalDIGitalNET– Eccellenze in digitale”, granted by Regione Lazio, Rome; |
| 11/2018 to 11/2020 | Junior researcher of the international EUROSTAT Research Project on “ <i>Communicating Uncertainty in Key Official Statistics (COMUNIKOS)</i> ” coordinated by GOPA Luxembourg S.à.r.l. Contribution to the project’s task 4 (<i>Case study – communicating uncertainty in poverty measures</i>); |

- 01/2019 to date Member of the Maxwell project, funded by the European Union's Horizon 2020 Programme. Contribution to the project's task 3.2 "*Guidelines for best practices implementation for transferring methodology*" and task 4.1 "*Report on nowcasting and mixed frequency methods for the integrated analysis of well-being and SDG's*";
- 07/2018 to 06/2019 Member of the research project "*Firms and smart technologies: models and performance evaluation*", granted by University of Napoli Parthenope, Napoli;
- 06/2018 to 06/2019 Member of the international research projects "*Smart irrigation from soil moisture forecast using satellite and hydro –meteorological modelling*" and "*Real time soil moisture forecast for smart irrigation*". Partner: Politecnico of Milano, Delft University of Technology, Chinese Academy of Sciences, Tuscia University, University of the Balearic Islands, Meteo Operations Italia-Centro Epsom Meteo, M.M.I. s.r.l.;
- 04/2018 to 01/2019 Member of the research project "*Tourism attractiveness in Tuscia*", granted by Chamber of Commerce, Viterbo. Scientific coordinator Prof. Tiziana Laureti;
- 09/2017 to 03/2018 Collaborator of the research project, Statistical analysis for the usage test related to the "*Pigment Solution Program*" granted by RELIFE S.r.l., Menarini. Scientific coordinator Prof. Tiziana Laureti;
- 05/2013 – 09/2013 Internship with Erasmus Placement Program. Bloomresearch, Psaila Street, Birkirkara, Malta (MT) Main tasks: data collect, data analysis, surveys about Maltese tourism.

Teaching experience

- A.Y. 2020/2021 Teaching activities for Exponential Education (www.exponential-institute.com), course on "*Sustainable consumer behaviour*";
- A.Y. 2020/2021 **Teaching activity for Ph.D students** XXXV cycle in Management and Quantitative studies at University of Tuscia, Department of Economy, Engineering, Society and Business for the "Statistics" course, s.s.d. SECS/S03;
- A.Y. 2020/2021 **Adjunct Professor at Sapienza University**, Department of Management, Economics and communication for management and innovation master's degree s.s.d., English course on "*Statistics for business and decision making*", SECS/S03 (3CFU);
- A.Y. 2018/2019 **Teaching activity, Erasmus KA107.**
The Nizhni Novgorod Branch of National Research University Higher School of Economics (HSE), Statistics course SECS/S01 (8 hours of lesson);
- A.y. 2018/2019 to date **Adjunct Professor at University of Tuscia**, Department of Economy, Engineering, Society and Business for the "*Statistical Methods for Economics Analysis*" course (both in Italian and English languages), Business and Economics (L-18) bachelor's degree course. s.s.d. SECS/S03 (8CFU);

A.y. 2017/2018	Teaching assistant in “Statistics for Finance and Insurance” course (Prof. Andrea Regoli and Giovanni De Luca) s.s.d. SECS/S01, University of Napoli Parthenope (Napoli), Department of Quantitative and Business studies;
A.y. 2017/2018 to date	Teaching assistant in “Sampling methods” course (Prof. Stefano Gorelli), s.s.d. SECS/S03, of Tuscia (Viterbo), Department of Economics, Engineering, Society and Business (Viterbo, Italy)
A.y. 2015/2016 to 2017/2018	Teaching assistant in “Statistics” course (prof. Andrea Regoli and Antonella d’Agostino), s.s.d. SECS/S01, University of Napoli Parthenope (Napoli), Department of Quantitative and Business studies;
A.y. 2015/2016 to date	Teaching assistant in “ <i>Statistics</i> ” course (prof. Tiziana Laureti), s.s.d. SECS/S01 University of Tuscia (Viterbo), Department of Economics, Engineering, Society and Business (Viterbo, Italy)
A.y. 2015/2016 to 2017/2018	Teaching assistant in “ <i>Statistics for Market research</i> ” course (prof. Tiziana Laureti), s.s.d. SECS/S03 - University of Tuscia (Viterbo), Department of Economics, Engineering, Society and Business (Viterbo, Italy).

Languages

ITALIAN	Mother tongue	
ENGLISH	Reading	Advanced (C1)
	Writing	Advanced (C1)
	Speaking	Advanced (C1)
FRENCH	Reading	Elementary(A2)
	Writing	Elementary(A2)
	Speaking	Elementary(A2)

IT skills

Excellent knowledge of WINDOWS, IOS, OFFICE PACKAGE, STATA 14, R. Good knowledge of SPSS, MATLAB.

Scientific Publications

1. Benedetti I., Laureti T., Secondi L.; “*Ambiente e Alimentazione: un’unione possibile*” (2015) in 27° Rapporto Italia Eurispes vol. 38.
2. Benedetti, I. Laureti T. Secondi L. “*Adherence to the Mediterranean diet in Italy: exploring the role of socio-economic factors*”, Rivista di Economia Agraria, Anno LXXI, n. 1 (Supplemento), 2016;
3. Benedetti I., Biggeri L., Laureti T., Secondi L., “*Exploring the Italians’ food habits and tendency towards a sustainable diet: the Mediterranean eating pattern, Agriculture and Agricultural Science Procedia*” 8 (2016), 433 – 440;
4. Laureti, T., Benedetti, I. (2018). “*Exploring pro-environmental food purchasing behaviour: An empirical analysis of Italian consumers*”. Journal of Cleaner Production, 172, 3367-3378.

5. Benedetti, I., Laureti, T., Secondi, L. (2018). “*Choosing a healthy and sustainable diet: A three-level approach for understanding the drivers of the Italians' dietary regime over time*”. *Appetite*, 123, 357-366.
6. Benedetti, I., (2019). *The native-migrant gap in job quality: an analysis of the French context using decomposition methods*. *Estudios de Economía Aplicada*. Vol. 37, Jan 2019, pag. 225-24. ISSN: 1133-3197 (Print) 1697-5731 (Online).
7. Benedetti, I., Regoli, A. (2019), *Assessing job quality in the French labour market: decompositions of the native/migrant wage gap*, Discussion Papers del Dipartimento di Economia e Management – Università di Pisa, n. 241 (<http://www.ec.unipi.it/ricerca/discussion-papers.html>). ISSN 2039-1854.
8. Benedetti, I., Branca, G., and Zucaro, R. (2019). *Evaluating input use efficiency in agriculture through a stochastic frontier production: An application on a case study in Apulia (Italy)*. *Journal of Cleaner Production*, 236, 117609;
9. Benedetti, I., Brandi, M., Laureti, T. (2018). Research project “*La capacità attrattiva della Tuscia: Un'indagine esplorativa sui turisti*”. Presented at 16-esima giornata dell’Economia presso la Camera di Commercio di Viterbo (rapporto di ricerca).
10. Laureti, T., Benedetti, I., Branca, G. (2020). *Water use efficiency and public goods conservation: A spatial stochastic frontier model applied to irrigation in Southern Italy*. *Socio-Economic Planning Sciences*, <https://doi.org/10.1016/j.seps.2020.100856>
11. Benedetti, I., Laureti, T. (2019). Research project “*Il grado di digitalizzazione delle imprese nella Tuscia*”. Presented at 17-esima giornata dell’Economia presso la Camera di Commercio di Viterbo (rapporto di ricerca). 5th June 2019;
12. Benedetti, I., Bacchini, F., Laureti, T. (2019). *Spatial and temporal multivariate analysis of well-being at local level: An application to the Italian equitable and sustainable well-being*. Presented paper at World Statistic Congress ISI Kuala Lumpur Convention Center. 23rd August 2019.
13. Benedetti, I., Crescenzi, F. (2020). *A model for measuring the accuracy in spatial price statistics using scanner data*. "Book of short papers - SIS 2020" pp.10-15. Editors: Alessio Pollice, Nicola Salvati and Francesco Schirripa Spagnolo. Published by Pearson. ISBN 9788891910776
14. Palumbo, L., Laureti, T. and Benedetti, I. (2020), *A Multidimensional Clustering on Fuzzy Metrics to Classify CPG Pricing and Price Promotion Strategies: The Case of Pasta in Italy*, in Betti, G., Lemmi, A. (eds.), *Analysis of Socio-Economic Conditions: Insights from a Fuzzy Multidimensional Approach*. London and New York: Routledge, forthcoming

15. Benedetti, I., Laureti, T., Regoli, A. (2020). *The native-migrant gap in job-satisfaction across European union*. International Journal of Manpower. ISSN:0143-7720. Publication date: 08th September 2020
16. Laureti, T; Benedetti I. (2020). *Measuring and communicating uncertainty of poverty indicators at regional level*. Luxembourg: Publications Office of the European Union, 2020. ISBN 978-92-76-28361-4 ISSN 2315-0807 doi: 10.2785/313140 KS-TC-20-010-EN-N;
17. Benedetti, I, Laureti T. (2020). *Estimating and communicating uncertainty in official poverty indicators at regional level*, short paper accepted for the New Techniques and Technologies for Statistics 2021 conference, 9th-11th March 2021.
18. Benedetti, I, Laureti T., Palumbo L., Rose, B. (2020). *Computation of consumer spatial price indexes over time using Natural Language Processing and web scraping techniques*, short paper accepted for the New Techniques and Technologies for Statistics 2021 conference, 9th-11th March 2021.
19. Benedetti, I., Crescenzi, F, De Santis, R (2021). *Estimating uncertainty for child poverty indicators: The Case of Mediterranean Countries*. Short paper submitted at the “New perspectives on multidimensional child poverty” session and accepted for the “SIS 2021” book of short paper;
20. Benedetti, I., Laureti, T. (2021). *Analysing energy-saving behaviours in Italian households*. Estudios de Economía Aplicada. Volume 39-3, May 2021 // ISSN: 1133-3197, DOI: <http://dx.doi.org/10.25115/eea.v39i3.4823>
21. Benedetti, I., Biggeri, L., Laureti, T. (2021). *Sub-national price indexes for housing: Methodological issue and empirical analyses for Italy*. Journal of Official Statistics, eISSN2001-7367, forthcoming;

Membership of Scientific Societies

1. Italian Statistical Society (SIS) since 2016
2. Camillo Dagum/Tuscan Universities Research Centre since 2019

Participation at national and international conferences

1. 50th Scientific Meeting of the Italian Statistical Society, Pisa. June 21, 2021 – June 25, 2021;

2. Italian Statistical Society Satellite event “*Measuring and communicating uncertainty in key official Statistics*” virtually held at University of Tuscia, June 17, 2021
3. Conference *On New Techniques And Technologies For Statistics*, 9 March 2021 - 11 March 2021, *User demand during uncertain times* session.
4. 62nd ISI World Statistics Congress 2019, *Come, Create, Connect*. Kuala Lumpur Convention Center, Kuala Lumpur, 18-23 August 2019;
5. 9th International Conference IES 2019 - Innovation & Society Statistical evaluation system at 360°: techniques, technologies and new frontier. European University of Rome. Rome, Italy, 4-5 July,
6. 11th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2018), University of Pisa, Italy, 14-16 December 2018;
7. Festival della Scienza, author of “Parsimonious use of water for irrigation and economic implications” poster in the project of: Economics of Sustainable Agriculture Systems Laboratory (ESAS-Lab), coordinator Prof. Giacomo Branca. University of Tuscia, from 24th to 29th September 2018.
8. 16th Conference of IAOS-OECD “Better statistics for better lives” at the OECD Headquarters in Paris, France from 19th to 21st September 2018;
9. 49th Scientific Meeting of the Italian Statistical Society, Palermo. June 20, 2018 – June 22, 2018;
10. International Congress “Trends in Inequality” Fondazione C. Cattaneo. Bologna from 2nd to 4th November 2017;
11. 49th Scientific Meeting of the Italian Statistic Society; University of Firenze, from 27th to 30th June 2017;
12. 7th International Congress: Tourism, Economic and Environment. University of Sassari. From 2nd to 5th May 2017;
13. 48th Scientific Meeting of the Italian Statistic Society; University of Salerno, from 8th to 10th June 2016;
14. Il valore dei dati nell’era dei Big Data (Prof. Gorgio Alleva, Presidente ISTAT), Benchmark day 2016, Department of Statistic Science, University of Napoli Federico II, 2nd March 2016;
15. 56th Annual Conference of the Italian Economic Association, Napoli (Italy) at the University "Parthenope", from 22nd to 24th October 2015;
16. 52th Sidea Conference: The value of Food. Rome and Viterbo, from 17th to 19th September 2015;

17. Sustainability of Well-Being International Forum Swif, Florence from 4th to 6th June 2015 .

Participation at national and international conferences workshops etc. with contributed paper or as speaker

1. Speaker at the 50th Scientific Meeting of the Italian Statistical Society, Pisa. June 21, 2021 – June 25, 2021, presenting a paper on “*Estimating uncertainty for child poverty indicators: The Case of Mediterranean Countries*. solicited session on “*New perspectives on multidimensional child poverty*” (Prof. Antonella D’Agostino);
2. Speaker at the *On New Techniques And Technologies For Statistics Conference*, 9 March 2021 - 11 March 2021, presenting a paper on “*Estimating and communicating uncertainty in official poverty indicators at regional level*” at the “*User demand during uncertain times*” session (10th March 2021);
3. Invited speaker at the 62nd ISI World Statistics Congress 2019, Kuala Lumpur, 18-23 August 2019, presenting a paper on: “*Spatial and temporal multivariate analysis of well-being at local level: An application to the Italian equitable and sustainable well-being*”. Kuala Lumpur Convention Center, Kuala Lumpur, Malaysia, 18th- 23rd August 2019;
4. Invited speaker at the 9th *International Conference IES 2019 - Innovation & Society Statistical evaluation system at 360°* presenting a paper on: “*A spatial stochastic frontier model for evaluating water use efficiency: the case of fruit and vegetable farming in Apulia (Italy)*”. European University of Rome. Rome, Italy, 4-5 July,
5. Invited speaker at the 11th *International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2018)* presenting a paper on “*Sub-national price indexes for housing rents: Methodological issue and empirical analyses for Italy*”, University of Pisa, Italy, from 14th to 16th December 2018;
6. Speaker at the EU-SILC training workshop “*Comparative research on migration*”, DIW Berlin, presenting a paper on “*Job quality and the native-migrant gap: an analysis of the French context using decomposition methods*”. 20th - 24th October 2018;
7. Invited speaker at the 7th *International Congress: Tourism, Economic and Environment*. University of Sassari, presenting a paper on “*Exploring pro-environmental food purchasing behavior: An empirical analysis of Italian consumers*”. From 3rd to 5th May 2017;
8. Workshop on “*Quality of Working Life and Vulnerability*”, Centre des Etudes et Employ, Paris presenting a paper on “*A hierarchical approach for investigating the determinants of Job Satisfaction across European Countries*”, from 9th to 14th May 2016.

Editorial responsibility

Referee activity for: Journal of Cleaner Production, Agricultural and Food Economics, Energy, Socio Economic Planning Science, Sustainability, Economic Modelling.

Ilaria Benedetti

██████ 24th August 2021

I authorize the treatment of my personal data (D.Lgs.196/03).