

Chiara Monfardini

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Born in La Spezia (Italy), 10/05/1967
Married, mother of Laura (12/01/1999) and Filippo (16/08/2002)

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Education

1997 Ph.D., Economics, European University Institute, Florence, Italy, PhD thesis: "Essays on Simulation-Based Inference", supervisor Prof Grayham Mizon, co-supervisor Prof. Alain Monfort.

1995 Master of Arts in Economics, the European University Institute, Florence, Italy, Master thesis: "Simulation-Based Econometric Method and the Analysis of Encompassing", supervisor Prof. Grayham Mizon.

1992 Laurea (*summa cum laude*), Statistical and Economic Sciences Padova University, Italy, degree dissertation: "Estimation Methods for Disequilibrium Models: an Application of the Simulated Pseudo-Maximum Likelihood Method", supervisors: Prof. Nunzio Cappuccio and Prof. Renzo Orsi.

Professional Experience

March 2017 – present: Professor of Econometrics, University of Bologna.

March 2005 – February 2017: Associate Professor of Econometrics, University of Bologna.

July 2001 – February 2005: Assistant Professor (*ricercatore*) in Econometrics, Faculty of Economics, University of Bologna

May 2000 - June 2001: research fellow (*assegnista di ricerca*) at the Department of Economics, University of Padova, on the project "Microeconomic analysis of consumption and saving", project coordinator Prof. Guglielmo Weber.

July 1998 - April 2000: post-doctoral research grant at the Department of Economics, University of Bologna.

July 1997 - June 1998: research fellow at the Department of Economics, European University Institute on the project "Econometric modelling of economic time series", project coordinator Prof. G. Mizon.

May 1996 - June 1997: research assistant at the Department of Economics, European University Institute on the project: "Econometric modelling using simulation techniques", project coordinator Prof. G. Mizon.

Research interests

Microeconomic methods: limited dependent variable models (discrete choice, models count data models, simultaneous equations models), simulation-based methods.

Applied econometrics: empirical labour, health and household economics (human capital investment, children and adolescents time use, development and health, healthcare demand).

Research affiliations

Center for Household, Income, Labour and Demographic Economics at Collegio Carlo Alberto (CHILD-CCA, Torino), Health, Econometrics and Data Group (HEDG, York), Institute for the Study of Labor (IZA, Bonn).

Publications - Refereed Articles

Bellettini, G., Berti Ceroni, C. and Monfardini, C. (2020): "Immigration, ethnic diversity and voting: the role of individual income", *European Journal of Political Economy*, vol. 61, 1-15.

Barigozzi, F. , Cremer, H. and Monfardini, C. (2019) "The gender gap in informal child care: theory and some evidence from Italy", *Economia Italiana*, 2019/3, 37-71.

Geraci, A. Fabbri, D. and Monfardini, C. (2018) "Testing exogeneity of multinomial regressors in count data models: does two-stage residual inclusion work?", *Journal of Econometric Methods*. vol. 7 no.1, 1-19.

Del Boca D., Monfardini C. and Nicoletti C. (2017): "Parental and child time investments and the cognitive development of adolescents", *Journal of Labor Economics*, vol 35 no.2, 565-608.

Fabbri, D. Monfardini, C. Castaldini, I. and Protonotari, A. (2016): "Cesarean section and the manipulation of exact delivery time", *Health Policy*, 120(7), 780-789.

Bellettini, G. Berti Ceroni, C. and Monfardini, C. (2016): "Socio-Economic Heterogeneity and Electoral Turnout: An Aggregate Analysis with Precinct-Level Data", *Electoral Studies*, vol. 42, 146-156.

Fabbri D. and Monfardini, C. (2016): "Opt Out or Top Up? Voluntary Healthcare Insurance and the Public vs. Private Substitution", *Oxford Bulletin of Economics and Statistics*, vol. 78 no.1, 75-93. Published online July 2015.

Monfardini, C. and See, S.G. (2016): "Birth Order and Child Cognitive Outcomes: an Exploration of the Parental Time Mechanism", *Education Economics*, vol. 24 no. 5, 481-495.

Mancini A.L., Monfardini, C. and Pasqua S. (2017): "Is a Good Example the Best Sermon? Children's Imitation of Parental Reading", *Review of Economics of the Household*. vol. 15, 965–993. Published online March 2015. DOI 10.1007/s11150-015-9287-8

Cardoso, A. R., Fontainha, E. and Monfardini, C. (2010) "Children's and Parents' Time Use: Empirical Evidence on Investment in Human Capital in France, Italy and Germany", *Review of Economics of the Household*. vol. 8, no. 4, 479-504.

Miniaci, R., Monfardini, C. and Weber, G. (2010): "Is there a Retirement Puzzle in Italy?", *Empirical Economics* vol. 38, 257-280.

Fabbri, D. and Monfardini, C. (2009): "Rationing the public provision of healthcare in the presence of private supplements: evidence from the Italian NHS", *Journal of Health Economics*, vol. 28, 290-304.

Bardasi, E. and Monfardini, C. (2009): "Women's Employment, Children and Transition: an Empirical Analysis on Poland", *Economics of Transition*, vol. 17 no. 1, 147-173.

Lu, M., Mizon, G.E. and Monfardini, C. (2008): "Simulation Encompassing: Testing Non-nested Hypotheses", *Oxford Bulletin of Economics and Statistics*, vol. 70, Issue s1, 781 - 806.

Fabbri, D. and Monfardini, C. (2008) "Style of Practice and Assortative Mating: a Recursive Probit Analysis of Cesarean Section Scheduling in Italy", *Applied Economics*, vol. 40, 1411-1423.

Monfardini, C. and Santos Silva, J.M.C. (2008): What Can We Learn about Correlations from Multinomial Probit Estimates? , *Economics Bulletin*, vol. 3 no. 28, 1-9.

Monfardini, C. and Radice, R. (2008) "Testing Exogeneity in the Bivariate Probit Model: a Monte Carlo Study", *Oxford Bulletin of Economics and Statistics*, vol.70, no.2, 271-282.

Fabbri, D. and Monfardini, C. (2003) : "Public versus Private Health Care Services Demand in Italy", *Giornale degli Economisti e Annali di Economia*, 62, 1, 93-123.

Monfardini, C. (2003): "An Illustration of Cox's Non-Nested Testing Procedure to Logit and Probit Models", *Computational Statistics and Data Analysis*, special issue on Computational Econometrics, 42, 425-444.

Giannelli, G. and Monfardini, C. (2003): "Joint Decisions on Household Membership and Human Capital Accumulation of Youths: The role of expected earnings and labour market rationing", *Journal of Population Economics*, 16, 2, 265-285

Giannelli, G. and Monfardini, C. (2000): "Young Adults, family and the labour market: an Empirical Analysis of human Capital Investment Decisions", *International Journal of Manpower*, volume 21, No. 3-4, 227-245.

Monfardini, C. (1998): "Estimating Stochastic Volatility Models through Indirect Inference", *The Econometrics Journal*, volume 1, pag. c113-c128.

Recent working papers and work in progress

Monfardini, C. and Tran, A.: "Family Size, Birth Order, and Human Capital Development in Early Childhood", work in progress.

Barigozzi, F., Di Timoteo, C., Monfardini, C. (2020): Italian Families in the 21st Century: Gender Gaps in Time Use and Their Evolution, IZA DP No. 13348 and Working Paper DSE (1149), University of Bologna.

Chise, D., Fort, M. and Monfardini, C. (2019): "Scientifico like Dad! On the Intergenerational Transmission of STEM Education in Italy", IZA DP 12688. Online Appendix. Errata corrige figures 4, 5, 6.

Bellettini, G., Berti Ceroni, C., Cantoni, E., Monfardini, C. and Schäfer, J. (2019) "Family Norms and the Gender Turnout Gap,". Previous version circulated as Bellettini, G., Berti Ceroni, C., Cantoni, E. and Monfardini, C. (2018): "Family Structure and the Turnout Gender Gap: Evidence from Italy", IZA DP 11384.

Del Boca, D., Monfardini, C., See, S.G. (2018) "Government Education Expenditures, Pre-Primary Education and School Performance: A Cross-Country Analysis". IZA DP No. 11375 and CEPR DP 12756.

Participation in funded research projects (recent years)

2020-2022: PRIN 2017 PROJECT *At the Roots of Child Development: On the Role of Parental Beliefs, Preferences and Engagement*. Single research unit (Department of Economics, University of Bologna) including Tiziano Arduini, Maria Bigoni (P.I.), Margherita Fort, Daniela Iorio and Chiara Monfardini. The project is developed with the scientific collaboration of Annalisa Guarini and Alessandra Sansavini of the Department of Psychology of the University of Bologna.

2018-19: H2020 Design Studies European Project *European Cohort Development Survey*, UNIBO team leader.

2013-2016: FP7 European project *Families and Societies*, external co-leader with Daniela del Boca of Work Package 6: *Childcare arrangements: determinants and consequences* (at Collegio Carlo Alberto, Torino).

Paper presentations and invited discussions (since 2001)

Bertinoro (September 2019), discussant at SIDE Workshop for PhD students in Econometrics and Empirical Economics (WEEE)

ISPRA (february 2019), European Commission Joint Research Center Seminar

Lecce (january 2019), Italian Congress of Econometrics and Empirical Economics

York (november 2018), Applied Microeconometrics Seminar

Colonia (august 2018), European Economics Association (EEA) meeting

Catanzaro (june 2018), International Applied Economics of Education Workshop (IWAE)

Paris (may 2018), Conference of the Society of Economics of the Household (SEHO).

Perugia (september 2017), discussant at SIDE-Bank of Italy Workshop for PhD students in Econometrics and Empirical Economics (WEEE)

Lisbon, (october 2016), ISEG-Lisbon School of Economics and Management Seminar (invited)

Brussels, European Parliament (september 2016), Families and Societies Stakeholder Seminar
Policies for families: Is there a best practice?

Torino (may 2015), Workshop on Actors in the child development process

Prague (october 2014), Society for Research in Child Development (invited speech at plenary session)

University of Bologna (july 2014), Department of Economics Internal Seminar

London (june 2014), International Association for Applied Econometrics Conference

Cagliari (may 2014) Department of Economics (invited)

Tallinn (january 2014) Families and Societies European Project Annual conference

Genova (january 2013) Italian Congress of Econometrics and Empirical Economics (ICEEE)

Aarhus (january 2013) Workshop on The economics of successful children
Bern (june 2012) 26th Annual Conference of the European Society for Population Economics (ESPE)
CHILD- Collegio Carlo Alberto (may 2012), Conference on Parental and Public Investments and Child Outcomes (invited)
Modena (march 2012), CHILD-RECENT Workshop on The Economics of the Family, Education, and Social Capital (invited)
University of Maynooth (february 2012), Department of Economics Seminar (invited)
University of Bologna (october 2011), Department of Economics Internal Seminar
Paphos, Cyprus (september 2011), Annual Conference of EALE (European Association of Labour Economists)
ISER (june 2011), University of Essex, Joint Empirical Social Science Seminar
Cornell University (june 2010), Conference of the American Society of Health Economists
CHILD- Collegio Carlo Alberto (october 2009), Conference on Global perspectives on public and private investments in children, invited discussion
ISER (june 2009), University of Essex, Joint Empirical Social Science Seminar
London (june 2008), XXII Annual Conference of the European Society for Population Economics (ESPE)
Bertinoro (january 2007) IZA-Worldbank workshop, invited discussion
Southampton (january 2006) Department of economics seminar (invited)
Venice (january 2005) Italian Congress of Econometrics and Empirical Economics
Lisbon (september 2004) Annual Conference of EALE (European Association of Labour Economists)
Manchester (september 2004) Annual Conference of the Royal Statistical Society
Lisbon (may 2004), CEMAPRE seminar, Universidade Tecnica de Lisboa.
Neuchatel (april 2004), Computational Econometrics and Statistics Workshop
Messina (september 2003), Italian Labour Economics Association Conference (AIEL)
Lausanne (august 2001), Econometric Society European Meeting – ESEM

Research ranking on REPEC (Average rank score, August 2020)

Italy: top 9%; Europe: top 10%; World: top 12%; World: top 6% women economists (all years)

Google scholar citations (August 2020)

Citations (all) 1237; H-index: 16; I-10 index: 20

Refereeing

Bulletin of Economic Research, Computational Economics, Economics and Human Biology, Economics of Education Review, Econometric Reviews, Economica, Economics and Human Biology, Education Economics, European Journal of Comparative Economics, International Journal of Manpower, International Tax and Public Finance, IZA Journal of European Labor Studies, Journal of Applied Econometrics, Journal of Bioeconomics, Journal of Econometrics, Journal of Health Economics, Journal of Human Resources, Journal of Population Economics, Journal of the American Statistical Association, Journal of the European Economic Association, Labour Economics, Manchester School, Oxford Bulletin of Economics and Statistics, The Econometrics Journal, The Economic Journal, Papers in Regional Science, Review of Economics of the Household, Review of Income and Wealth, Review of Law & Economics, Statistical Methods and Applications.

Referee for the Italian Assessment of Research Quality, GEV 13, VQR 2004-2010

Editorial service

September 2017-: Co-editor of the Review of Economics of the Household (Springer)

2008: Guest editor with Ana Cardoso (IZA, Bonn) for the special issue of the *International Journal of Manpower* on "The impact of compensation policies within firms: evidence from linked employer-employee data", Vol. 29 No 1, 2008.

Member of conference scientific committee

Society of Economics of the Household Conference 2019
Italian Congress of Econometrics and Empirical Economics (ICEE) 2019, 2017, 2013, 2011
Italian Workshop of Econometrics and Empirical Economics 2018
European Society for Population Economics (ESPE) Congress 2016

Member of evaluation committee

Member of committee of full professor in Econometrics: University of Padova, 2019; University of L'Aquila, 2020.

Member of committee of competitions for fixed-term researcher (RTDB) in Econometrics: University of Napoli, september 2016; University of Rome La Sapienza, 2018; University of Ancona 2018.

Member of committee of competitions for fixed-term researcher (RTDA) in Econometrics: University of Padova 2018, University of Verona 2019.

Member of PhD Committee

PhD in Economics, University of Ancona, December 2019
PhD in Economics, University of Torino and Collegio Carlo Alberto, June 2017
PhD in Economics, Università di Bologna, May 2017
PhD in Economics, Università Cattolica Milano, April 2016
PhD in Statistics, Università di Padova, March 2013
PhD in Public Economics, Università Milano Bicocca e Università Cattolica Milano, April 2013

Teaching experience

-Undergraduate and master level, University of Bologna, in English:

Econometrics 2 (content: microeconometrics), since 2019-20

Econometrics 3 – course previously named differently- (content: microeconometrics), 30 hours, LMEC, second cycle degree in Economics: every academic year since 2007-2008, until 2018-19.

Econometrics 1 (content: linear regression), 30 hours, LMEC, second cycle degree in Economics: every academic year since 2011-2012.

Health Econometrics, 30 hours, HEM, second cycle degree in Health Economics and Management: every academic year since 2013-2014.

-Undergraduate and master level, University of Bologna, in Italian:

Applied Econometrics, 30 hours, CLAMED, second cycle degree in Law and Economics: every academic year since 2003-2004.

Advanced Econometrics (microeconometrics), 30 hours, EPELM, second cycle degree in Economics and Political Economy: academic years 2011-2012, 2012-2013

Introductory Econometrics CLED, first cycle degree in Law and Economics: second module, 30 hours, in academic year 2001-2002, and from 2003-2004 to 2005-2006; whole course, 60 hours, from academic year 2006-2007 to academic year 2010-2011.

Quantitative Models for Marketing, 30 hours, CLEM, first cycle degree in Economics and Marketing: from academic year 2002-2003 to academic year 2006-2007.

-PhD level, in English:

Simulation-based econometric methods (PhD in Economics, University of Bologna): academic years 2012-2013, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019

-PhD level, in Italian:

Topics in Microeconometrics, Ph.D in Economics, University of Bologna: from academic year 2001-2002 to academic year 2005-2006; **Topics in microeconometrics, CIDE** (*Centro Interuniversitario di Econometria*): 2006, 2007, 2008; **Topics in Microeconometrics**, Ph.D in Economics University of Marche: academic years 2002-2003, 2003-2004

Students evaluation of teaching at University of Bologna (recent years)

Percent of positive answers to the question: "Are you generally satisfied about this course?"

A.A: 2019-2020

Econometrics 1 ((LMEC, second cycle degree in economics, in English): 67%

Health Econometrics (HEM, second cycle degree in health economics and management, in English): 79%

Econometrics 2 (LMEC, second cycle degree in economics, in English): Not available.

A.A: 2018-2019

Econometrics 1 ((LMEC, second cycle degree in economics, in English): 100%

Health Econometrics (HEM, second cycle degree in health economics and management, in English): 75%

Econometrics 3 (LMEC, second cycle degree in economics, in English): 100%

A.A: 2017-2018

Econometrics 1 ((LMEC, second cycle degree in economics, in English): 100%

Health Econometrics (HEM, second cycle degree in health economics and management, in English): 100%

Econometrics 3 (LMEC, second cycle degree in economics, in English): 94%

Department of Economics PhD dissertations supervision

Anh Tran (2016-2019) dissertation title: “Essays on Human Capital Development and Inequality”, currently Education expert, World Bank, Hanoi.

Sarah Grace See (2008-2012), dissertation title: “Essays in Demographic and Household Economics”, currently assistant professor, University of Groningen.

Laurea Magistralis in Economics-LMEC dissertation supervisions (selection of research-oriented students)

2018: Chiara Bernardi, Andrea Ciaccio, Claudio Luccioletti, Giovanni Mattozzi

2017: Diana Chise, Rinaldo Naci, Irene Di Marzio, Cesare Di Timoteo

2016: Eleonora Brandimarti, Riccardo Di Leo

2015: Bruno Morando, Gloria Moroni

2014: Andrea Salvati

2013: Aysil Emirmahmutoglu

2012 Antonio Dalla Zuanna, Valentina Tonei

2011: Andrea Geraci

Main academic services at University of Bologna (recent years)

May 2018-: Director of the Master in Economics (LMEC)

May 2015-: Member of the “Giunta di Dipartimento”, a board supporting the activity of the Director of the Department of Economics.

May 2014-: Member of the UNIBO committee for the assignment of Internships at the Bank of Italy Regional Branch.

February 2008-September 2017: member of the Advisory Board, PhD in Economics, Department of Economics.

May 2015-September 2018: in charge of various Erasmus exchange programs for the School of Economics, Management and Statistics, University of Bologna.

2014-2018: Department of Economics delegate for the *Polo Penitenziario* project - agreement between Italian Ministry of Justice and University of Bologna to promote and support undergraduate studies among incarcerated people.