

Curriculum Vitae

Roberto Zelli

Address

Dipartimento Scienze Statistiche (DSS),
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Current Post

Professor of Economic Statistics, 2005-present.

Research Interests

Measurement and analysis of economic inequality, mobility and poverty; Growth econometrics; Applied econometrics and forecasting.

Former Posts

Director of doctoral programme (Ph.D.) in Economic Statistics, Sapienza University of Rome, 2007-2010.

Associate Professor, Department of National Accounting, Sapienza University of Rome, 2000-2005.

Lecturer, Department of National Accounting, Sapienza University of Rome, 1995-2000.

University Education

Ph.D. in Economics (1991-1995). Department of Economics, University of Rome “La Sapienza”. Thesis title “Persistence effects in economic time series: a disaggregated analysis of Italian output”. Supervised by Professor Marco Lippi.

M.Sc. in Quantitative Development Economics (1992-1993). Department of Economics, University of Warwick, UK.

Laurea in Statistics and Economics (1985-1990), First Class (hons). Faculty of Statistics, University of Rome “La Sapienza”. Thesis title “Social Accounting Matrices (SAM): An application for Italy”. Supervised by Professor Renato Guarini.

Research Grants:

PRIN Research Grant, Ministry of the University and Research, Italy, 2008-2009 ; Research Grants (PI), University “La Sapienza”, 2002-2003, 2004-2005, 2006-2007, 2009-2010, 2014-2015, 2017-2020, 2022-2024; Project Grant (Local PI), CNR (Italian National Research Council), 1997-1999; Project Grant (Team member), EIEF (Einaudi Institute for Economics and Finance), 2016; FAO-Sapienza Research Project (PI), 2021-2022 .

Referee Activities for:

Advances in Data Analysis and Classification, Annals of Operations Research, Annals of Public and Cooperative Economics, Asia-Pacific Journal of Regional Science, Econometrics, Econometrics and Statistics, Economic Modelling, Economics Bulletin, Economics Letters, European Sociological Review, International Journal of Computational Economics and Econometrics, International Journal of Public Opinion Research, International Regional Science Review, Italian Economic Journal, Journal of Applied Econometrics, Journal of Applied Statistics, Journal of Economic Inequality, Journal of the Economics of Ageing, Journal of Income Distribution, Mathematics and Computers in Simulation, Metroeconomica, Metron, Moneta e Credito, Note Economiche, Post-Communist Economies, PSL Quarterly Review, Regional Science and Urban Economics, Review of Development Economics, Review of Income and Wealth, Rivista di Economia Demografia e Statistica, Rivista Italiana di Statistica Ufficiale, Rivista di Politica Economica, Scienze Regionali, Social Indicators Research, Statistical Methods and Applications, Statistical Modelling, Structural Change and Economic Dynamics. For books edited by *Cambridge Elements - Cambridge University Press, Springer, Oxford University Press*. Co-Editor of *Rivista di Economia e Statistica del Territorio* 2006–2016;

Associate Editor, *Metron*, 2018–;

Editorial Board, *International Journal of Computational Economics and Econometrics* 2012– ;

Editorial Board, *Review of Income and Wealth*, 2014–;

Editorial Board, *Statistical Methods and Applications*, 2019–2023;

Guest Editor (with J.Silber & G.M. Giorgi) of the Special Issue: A century of inequality measurement, *Metron*, 2, 2020.

Fellowships:

- Accademia Nazionale dei Lincei (Corresponding Member), 2019–.
- Society for the Study of Economic Inequality (ECINEQ), founder, 2005–.
- International Association for Research in Income and Wealth (IARIW), 1998–.
- Historical Household Budget (HHB) project, 2015–.
- Research Group on the Analysis of Economic Policies (GRAPE), 2012–.
- Italian Society of Economics, Demography and Statistics (Council member 2014-2017; Vice-President 2017-2020), 1996–.
- Italian Statistical Society, 1996–.

Professional activities:

- ST Consultant to the World Bank (Poverty and Equity GP - Central Asia), 2015–2022.
- Member of Committee for Directing and Coordinating the Statistical Information (Comstat) for the National Statistics System (Sistan), 2019-2023.
- Member of the Scientific Committee on the absolute poverty methodology, Istat, 2021-2023.

- Expert of the Advisory Committee on Statistics, Presidency of the Council of Ministers of Italy (Commissione di Garanzia per l'Informazione Statistica), 1994, 1996, 1998–2000, 2010–2011.
- Project evaluator for the Advisory Committee for the Ministry of the University and Research (MIUR) research funds.
- Member of the Evaluation Board of the University of Rome “La Sapienza” (Nucleo di Valutazione d’Ateneo), 2006–2009.
- Member of the Scientific Advisory Panel on Statistics Activity of Unioncamere, Italian Union of Chambers of Commerce, 2008–2012.
- Scientific Expert of the Research Institute Guglielmo Tagliacarne, 1998–.
- Consultant to ISCONA (Institute for National Accounting), appointed for the project “Social accounting matrices”, 1998–99.

Teaching experience:

Economic Statistics, Advanced Economic Statistics, Time Series Analysis, National Accounting, Applied Econometrics. Bachelor, Master and Ph.D level.

Selection of conferences and seminars

2021-: Sapienza-AISSEC Workshp “Poverty, Inequality and Intergenerational Mobility”, Rome, September 2024; 38th International Association for Research in Income and Wealth (IARIW) General Conference, London, August 2024; 52nd Scientific Meeting of the Italian Statistical Society (SIS), Bari, June 2024; 10th meeting of the Society for the Study of Economic Inequality (ECINEQ), Aix-Marseilles University, July 2023; Conference of the European Statistics Stakeholder, Sapienza University of Rome, October 2022; International Antonio Feltrinelli Conference, Accademia Nazionale dei Lincei, April 2022; 9th meeting of the Society for the Study of Economic Inequality (ECINEQ), London School of Economics (online), July 2021.

2015–2019: IARIW-World Bank Conference on “New Approaches to Defining and Measuring Poverty in a Growing World”, Washington D.C., November 2019; Seventh meeting of the Society for the Study of Economic Inequality (ECINEQ), Paris School of Economics, July 2019; IPPA Public Lecture, University of Central Asia, Bishkek (KGZ), February 2019; Equal Chances International Conference, University of Bari, December 2018; XXXV World Conference of the “International Association for Research in Income and Wealth” (IARIW), Copenhagen (DK), August 2018; Gordon Anderson Retirement Symposium, University of Toronto, May 2018; Seventh meeting of ECINEQ, NYC, July 2017; HBSS World Bank seminar, Washington DC, April 2017; World Bank Conference on “Equity and Development: Ten Years On”, Washington, D.C., October 2016; XXXIV World Conference of the IARIW, Dresden (Germany), August 2016; Sixth meeting of ECINEQ, Lussemburgo, July 2015.

2010–2014: XXXIII General Conference of the IARIW, Rotterdam (NL), August 2014; Workshop Scuola Superiore di Statistica, Rome July 2014; World Bank, Poverty and Inequality Measurement and Analysis Practice Group (PIMA PG), Seminar, Washington DC (USA), September 2013; 9th Scientific Meeting of the Classification and Data Analysis Group (SIS), University of Modena and Reggio Emilia, September 2013; Fifth ECINEQ

meeting, Bari, July 2013; XXXII IARIW World Conference, Boston (USA), August 2012; XLVI SIS Scientific Meeting, Rome, June 2012 (Scientific Committee); Fourth ECINEQ meeting, Catania, July 2011; SIS Scientific Meeting on “150 years of Statsics in Italy”, Bologna, June 2011; XLVIII SIEDS Scientific Meeting, Rome, May 2011 (Scientific Committee); 80th Annual Meetings of the Southern Economic Association, Atlanta (USA), November 2010; XXXI IARIW General Conference, St.Gallen (CH), August 2010; The Rimini Conference in Economics and Finance RCEF, Rimini, June 2010.

2005–2009: Third ECINEQ meeting, Buenos Aires, Argentina, July 2009; Workshop Fondazione Gorrieri and CAPP on “Quantitative methods for tha analysis of life conditions”, Università di Modena, January 2009; XXX IARIW General Conference, Slovenia, August 2008; Italian National Statistical Office (ISTAT) workshop on National Accaounts, Istat, Rome, June 2008; Research Workshop of the Israel Science Foundation on “Income Polarization: Measurement, Determinants, Implications”, Bar-Ilan University and van Leer Institute of Jerusalem, May 2008; Second ECINEQ meeting, Berlin, Germany, July 2007; Workshop ISCONA on “Social Accounting Matrices”, Rome, March 2007; Workshop the DSE-ISFOL on “Human Capital and Distribution”, Rome, November 2006; Center for Economic and International Studies (CEIS) seminar, University of Tor Vergata, Rome, November 2006; XLIII SIS Scientific Meeting, Turin, June 2006; First ECINEQ meeting, Palma de Mallorca, July 2005.

2000–2004: XXVIII IARIW General Conference, Cork, Ireland, August 2004; XVIII General Conference of “European Society for Population Economics (ESPE)”, Bergen, Norway, June 2004; Workshop SIEDS on “Statistics for Economic Analysis”, Università degli Studi del Molise, Campobasso, October 2003; Workshop of DSE-ISFOL on “Wage mobility”, Università “La Sapienza”, Roma, September 2003; XVII General Conference of “European Society for Population Economics (ESPE)”, New York University, NYC, June 2003; XXVII IARIW General Conference, Djurhamn, Sweden, August 2002; International Workshop on “Income Distribution and Welfare”, Bocconi University, Milan, Italy, 30th May – 1st June 2002; Workshop of DCNAPS on “Regional development: data, methods and models”, Università “La Sapienza”, Rome, May 2002; SIS Scientific Meeting on “Statistical Methods for Evaluation”, Università di Tor Vergata, Rome, June 2001; XL SIS Scientific Meeting, Florence, April 2000.

1994–1999: Workshop ISTAT-CNR on “Measures and indicators for economic and social policy”, CNR, Rome, June 1999; Workshop SIEDS on “Public Accounts, National Accounts and Welfare State”, Università di Teramo, October 1998; XXV IARIW General Conference, University of Cambdrige, UK, August 1998; XXXIX SIS Scientific Meeting, Sorrento, April 1998; VII Annual Conference of RESER (Research in Services), University of Roskilde, DK, September 1997; Workshop of the Accademia Nazionale dei Lincei, Rome, January 1997; Workshop SIEDS, Rome, January 1997; Conference of the Istituto Tagliacarne on “Statistics and Space”, ISTAT, Rome, November 1996; Workshop SIEDS on “Labour market and Immigration in Italy”, Rome, May 1996; Atelier sur “Les comptes nationaux trimestriels”, EUROSTAT-INSEE, Parigi-Bercy, Dicember 1994.

Publications and Research Papers

Refereed Journals

1. “A measurement scale for material deprivation: A model-based approach” (with A. Farcomeni, M.G. Pittau, S. Viviani), *Review of Income and Wealth*, early view, 2024.
2. “Covariate-modulated rectangular latent Markov models with an unknown number of regime profiles” (with A. Russo, A. Farcomeni, M.G. Pittau), *Statistical Modelling*, 24(4), 368–388, 2024.
3. “Poor ... I suppose: Challenges in the measurement of poverty in Europe — Poveri ... presumo: la sfida della misurazione delle povertà in Europa”, *Moneta e Credito*, 77(305), 3–17, 2024.
4. “Anchoring measurement of the middle-income class to subjective evaluation”, (with M.G. Pittau), *Review of Income and Wealth*, series 69, n.1, 60–75, 2023.
5. “On Unit Free Assessment of The Extent of Multilateral Distributional Variation”, (with G. Anderson, O.Linton, M.G. Pittau, Y.-J Whang), *The Econometrics Journal*, vol.24, issue 3, 502–518, 2021.
6. “Measuring the Progress of Equality of Educational Opportunity in Absence of Cardinal Comparability”, (with G. Anderson and M.G. Pittau), *Metron*, Special Issue A century of inequality measurement, vol. 78, issue 2, 155–174, 2020.
7. “A dynamic inhomogeneous latent state model for measuring material deprivation” (with F. Dotto, A. Farcomeni and M.G. Pittau), *Journal of the Royal Statistical Society - Series A*, vol. 182, issue 2, 495–516, 2019.
8. “Rectangular latent Markov models for time-specific clustering, with an analysis of the well being of nations” (with G. Anderson, A. Farcomeni, M.G. Pittau), *Journal of the Royal Statistical Society - Series C*, vol. 68, issue 3, 603–621, 2019.
9. “Multidimensional nation wellbeing, more equal yet more polarized: an analysis of the progress of human development since 1990” (with G. Anderson, A. Farcomeni, M.G. Pittau), *Journal of Economic Development*, vol. 44, issue 1, 1–22, 2019.
10. “Income Inequality, Cohesiveness and Commonality in the Euro Area: A Semi-parametric Boundary-free Analysis” (with G. Anderson, M.G. Pittau and J. Thomas), *Econometrics*, Special Issue on Econometrics of Inequality, vol.6, issue 2, 15, 2018.
11. “At the roots of Gini’s transvariation: extracts from ‘Il concetto di transvariazione e le sue prime applicazioni’ ” (with M.G. Pittau), *Metron*, vol.75, issue 2, 127–140, 2017.
12. “Assessing the convergence and the mobility of nations without artificially specified class boundaries” (with G. Anderson, M.G. Pittau), *Journal of Economic Growth*, vol.21, issue 3, 283–304, 2016.
13. “A new approach to measuring and studying the characteristics of class membership: Examining poverty, inequality and polarization in urban China” (with G. Anderson, A. Farcomeni, M.G. Pittau), *Journal of Econometrics*, vol. 191, issue 2, 348–359, 2016.

14. “Has the attitude of US citizens towards redistribution changed over time?”, (with A. Farcomeni and M.G. Pittau), *Economic Modelling*, vol. 52 (part B), 714–724, 2016.
15. “Evidence of convergence clubs using mixture models”, (with M.G. Pittau and R. Massari), *Econometric Reviews*, vol.35, issue 7, 1317–1342, 2016.
16. “The “Make-up” of a Regression Coefficient: Gender Gaps in the European Labor Market” (with M.G. Pittau and S.Yitzhaki), *Review of Income and Wealth*, series 61, n.3, 401–421, 2015.
17. “Poverty Status Probability: A New Approach to Measuring Poverty and the Progress of the Poor” (with G. Anderson and M.G. Pittau), *Journal of Economic Inequality*, vol.12, issue 4, 469–488, 2014.
18. “Hierarchical modelling of disparities in preferences for redistribution”, (with R. Massari and M.G. Pittau), *Oxford Bulletin of Economics and Statistics*, vol.75, issue 4, 556–584, 2013.
19. “Measures of poverty and inequality in the countries and regions of EU”, (with T. Longford, M.G. Pittau and R. Massari), *Journal of Applied Statistics*, vol.39, issue 7, 2012.
20. “Do Spatial Price Indices Reshuffle the Italian Income Distribution?”, (with M.G. Pittau and R. Massari), *Modern Economy*, vol. 2, n.3, 2011.
21. “A sensitivity analysis on gender gaps in the Italian labor market” (with M.G. Pittau and S.Yitzhaki), *Rivista Italiana di Economia, Demografia e Statistica*, vol.XLV, n.2, 2011.
22. “Mixture Models, Convergence Clubs and Polarization”, (with P. Johnson and M.G. Pittau), *Review of Income and Wealth*, series 56, n.1, 2010.
23. “Economic disparities and life satisfaction in European regions” (with M.G. Pittau and A. Gelman), *Social Indicators Research*, vol.96, n.2, 2010.
24. “A dwindling middle class? Italian evidence in the 2000’s” (with R. Massari and M.G. Pittau), *Journal of Economic Inequality*, vol.7, n.4, 2009.
25. “L’Europa delle differenze: l’atteggiamento dei cittadini europei verso le politiche redistributive” (with R. Massari and M.G. Pittau), *Politica Economica*, anno XXV, n.3, 2009.
26. “Exploring patterns of income polarization using siZer” (with M.G. Pittau), *Journal of Quantitative Economics*, vol.5, n.1, 2007.
27. “Trends in Income Distribution in Italy: A Non-Parametric and a Semi-Parametric Analysis” (with M.G. Pittau), *Journal of Income Distribution*, vol. 15, 2006.
28. “Empirical Evidence of Income Dynamics across European Regions”, (with M.G. Pittau), *Journal of Applied Econometrics*, vol.21, 5, 2006.
29. “Metodi non parametrici nell’analisi della distribuzione del reddito: problemi empirici ed aspetti metodologici” (with P.L. Conti and M.G. Pittau), *Rivista di Politica Economica*, V-VI, 2006.

30. “Testing for the changes in the shape of income distribution: Italian evidence in the 1990s from kernel density estimates” (with M.G. Pittau), *Empirical Economics*, vol.29, 2, 2004.
31. “Regional Empirics for Economic Disparities in Italy: 1951-2001” (with G.M. Giorgi and M.G. Pittau), *Estatistica*, special issue on Income Distribution, Lorenz curve, Inequality and Poverty (Guest Editor Camilo Dagum), 55, 164–165, 2003.
32. “Effetti di persistenza in un modello disaggregato del prodotto in Italia” (with M. Centoni), *Statistica*, anno LXIII, n.2, 2003.
33. “Seasonality, productivity shocks and sectoral comovements in a real business cycle model for Italy”, (with G. Cubadda and G. Savio), *Macroeconomic Dynamics*, 6, 3, 2002.
34. “La distribuzione dei benefici di produttività secondo l’approccio SAM: una applicazione all’economia italiana, 1990-1998” (with M. Carlucci and A. Cutillo), *Studi e Note di Economia*, n.3, 2002.
35. “Income distribution in Italy: a nonparametric analysis” (with M.G. Pittau), *Statistical Methods and Applications*, 10, 1-3, 2001.
36. “Domanda di lavoro e capitale umano: alcune evidenze dall’indagine Excelsior”, (with F. Nucci and C. Gagliardi), *Economia e Lavoro*, n.1, 2000.
37. “Common components in sectoral output time series”, (with G. Cubadda and G. Savio), *Rivista Italiana di Statistica Ufficiale*, n.3, 1999.
38. “L’analisi input-output: dal circuito produttivo a quello distributivo del reddito”, *Rivista Italiana di Economia, Demografia e Statistica*, vol.LII, n.4, 1998.
39. “Effetti demografici nei modelli di consumo: un’analisi attraverso i bilanci familiari”, *Scritti di Statistica Economica* 3, n.13, 1997.
40. “Cambiamenti nella domanda di lavoro per qualifica professionale: uno studio per l’Italia” (with G. Barbieri), *Rivista Italiana di Economia, Demografia e Statistica*, vol.L, n.1, 1996.

Books, Book Chapters and Proceedings published in books

41. “Mixture models and poverty measurement” (with G. Anderson, M.G. Pittau), in J. Silber (Ed.) *Research Handbook On Measuring Poverty And Deprivation*, Chapter 16, pp. 171-179, Edward Elgar, 2023.
42. “Inequalities and Globalization” (in Italian, with R. Guarini), *International A. Feltrinelli Conference “La crisi e le crisi” 28-29 aprile 2022*, Atti dei Convegni Lincei 355, pp. 169-182, Bardi Editore, 2023.
43. “Modeling Household Poverty Status Using Repeated Cross-sectional Surveys” (with M.G. Pittau & S. Ismailakhunova), in S. Bandyopadhyay (ed) *Research on Economic Inequality: Poverty, Inequality and Shocks*, Volume 29, 57-76, Emerald Publishing Limited, 2022.
44. *Misurare il benessere: la sfida degli indicatori alternativi al Pil* (with A. Rinaldi), Donzelli, Roma, 2014.

45. “Le infrastrutture come fattore di sviluppo del territorio” (with G. Giusti and M.G. Pittau), chapter 11, *Rapporto 2010 sulle piccole e medie imprese e le economie locali*, UnionCamere e Istituto Tagliacarne, ReteCamere Scrl, Roma, 2010.
46. “Caos calmo: l’evoluzione dei redditi familiari in Italia” (with R. Massari and M.G. Pittau), in Cappellari L., Naticchioni P., Staffolani S. (eds), *L’Italia delle disuguaglianze*, Carocci, Roma, 2009.
47. “Fattori di competitività e territorio: la dotazione infrastrutturale” (with A. Rinaldi and M.G. Pittau), in G. Garofoli (ed), *Impresa e territorio*, Il Mulino, Bologna, 2003.
48. “La misurazione delle scale di equivalenza per la politica sociale: quale paniere adottare?” (with M. Carlucci), in G. Carbonaro (ed), *Studi sulla povertà: problemi di misura e analisi comparative*, Franco Angeli, Milano, 2002.
49. “La distribuzione del reddito in Italia negli anni ’90: un’analisi non parametrica” (with M.G. Pittau), in G. Carbonaro (ed), *Studi sulla povertà: problemi di misura e analisi comparative*, Franco Angeli, Milano, 2002.
50. “Estimating Quarterly Regional Accounts for Southern Italy”, (with M. Carlucci), Workshop on Quarterly National Accounts, Paris-Bercy 1994, EUROSTAT, *Working Document, Theme 2*, 241-247, 2002.
51. “La misurazione della dotazione infrastrutturale nelle province italiane” (with A. Rinaldi and M.G. Pittau), *Atti del Convegno della SIS su “Processi e Metodi Statistici per la valutazione”*, Roma, 2001.
52. “La struttura della distribuzione dei redditi in Italia: un approccio non parametrico”, (with M.G. Pittau), *Atti della XL riunione scientifica della SIS*, Firenze, 2000.
53. “Consumi, scale di equivalenza e benessere” (with M. Carlucci), *Atti della XXXIX riunione scientifica della SIS*, Sorrento, 1998, 353-360.
54. “Strumenti teorici e metodologici per la costruzione di un sistema integrato di Conti Nazionali: prime riflessioni” (with G. Carbonaro and M. Carlucci), in R. Guarini (ed), *Verso un sistema integrato di Contabilità Nazionale: i Conti satellite*, IUN, N.14, RCE, Napoli, 1998.
55. “La costruzione di SAM regionali: problemi e prospettive”, in Istituto Guglielmo Tagliacarne-Unioncamere, *Statistica e territorio*, Franco Angeli, 1997.
56. “Le matrici di contabilità sociale”, Chapter 6 in R. Guarini and F. Tassinari, *Statistica Economica*, Il Mulino, seconda edizione, 1996.

Working papers and Reports (Short selection)

57. “Educational divide between voters: A nationwide trend? ” (Pittau, M.G., Politano, F., Zelli, R.), Working Paper CRENoS 2024/08, May 2024.

58. “Inference for deprivation profiles in a binary setting” (Pittau, M.G., Conti, P.L., Zelli, R.), Working Paper CRENoS 2024/05, January 2024.
59. “Non-monetary Dimensions of Poverty in the Kyrgyz Republic” (Saida Ismailakhunova, Grazia Pittau, and Roberto Zelli), Poverty Assessment Background Note, The World Bank, June 2022.
60. “Poverty and Vulnerability in the Kyrgyz Republic: Assessing Trends, Drivers, and Challenges”, Poverty Assessment, The World Bank, June 2022.
61. “On Unit Free Assessment of The Extent of Multilateral Distributional Variation” (with G. Anderson, O.Linton, M.G. Pittau, Y.-J Whang), Cambridge Working Papers in Economics-INET Working Paper Series, 2020/55 & Department of Economics Working Papers-657, University of Toronto, 2020.
62. “Measuring the Middle Class in Kazakhstan: A Subjective Approach” (with M.G. Pittau), Policy Research Working Paper 8568, The World Bank, August 2018.
63. “Multidimensional Nation Wellbeing, More Equal yet More Polarized: An Analysis of the Progress of Human Development since 1990” (with G. Anderson, A. Farcomeni, M.G. Pittau), Department of Economics Working Papers-602, University of Toronto, 2018.
64. “Rectangular latent Markov models for time-specific clustering” (with G. Anderson, A. Farcomeni, M.G. Pittau), Department of Economics Working Papers-589, University of Toronto, 2017.
65. “Evaluating Progress Toward an Equal Opportunity Goal: Assessing the German Educational Reforms of the First Decade of the 21st Century” (with G.Anderson, T.Fruehauf, M.G.Pittau), Department of Economics Working Papers-552, University of Toronto, 2015.

November 12, 2024

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