

Fabrizia Mealli

Personal Information

tongue), English (fluent), German (fluently spoken).

Languages: Italian (mother

Education

1994 Ph.D. in Statistics, University of Florence, Italy.

1990 Laurea in Economics (summa cum laude), University of Florence, Italy.

Professional Experience

2005 – present Professor of Statistics, University of Florence.

2017 Visiting Professor of Statistics, Department of Statistics and Department of Biostatistics, Harvard University.

2015 Visiting Professor of Statistics, Department of Statistics, Harvard University.

2012 Visiting Professor, CEPS/INSTEAD, Luxembourg.

2011 Visiting Scholar, Department of Statistics, Harvard University.

2006 – present External Research Associate, ISER, University of Essex, UK.

1998 – 2004 Associate Professor of Statistics, University of Florence.

2002 – 2005 Director of Graduate Studies, Department of Statistics, University of Florence.

2001 Visiting Associate Professor of Statistics, Department of Statistics, Harvard University (Fall term).

2001 Qualification as Professor of Statistics, University of Pisa, Italy.

2000 Visiting Fellow, Department of Economics, University of California, Los Angeles, USA (Fall term).

1994 – 1998 Assistant Professor of Statistics, University of Florence.

1994 Research Associate, Department of Economics, University of Leicester, UK.

1993 Research Assistant, Department of Applied Economics, University of Cambridge, UK.

Funding, Fellowships and Awards

- 2016 – 2018 *Disegno e analisi di studi sperimentali e osservazionali per le decisioni in ambito epidemiologico, socio-economico, ambientale e tecnologico*, Progetto strategico di ricerca di base, University of Florence, (Fabrizia Mealli as PI).
- 2014 – 2016 *Bayesian Inference for Causal Effects in Experimental and Observational Studies*, PRIN 2012 grant, Italian Ministry of Research and Higher Education, (Fabrizia Mealli as PI).
- 2013 Elected Fellow of the American Statistical Association
- 2013 – 2015 *Mixture and latent variable models for causal inference and analysis of socio-economic data* FIRB 2012 grant, Italian Ministry of Research and Higher Education, (with Alessandra Mattei as local PI and Francesco Bartolucci, University of Perugia, as PI and coordinator).
- 2011 – 2014 *Towards proper estimation of drug effectiveness: application of causal models to control for confounding*, Research project financed by the Academy of Finland, with Risto Huupponen, University of Turku, as PI.
- 2010 – 2011 *Statistical methods for the evaluation of educational processes* MIUR-COFIN 2009 grant, Italian Ministry of Research and Higher Education, (with Carla Rampichini).
- 2010 *Analysis and evaluation of financial aids to R&D investments*. Istituto Regionale di Programmazione Economica Toscana (IRPET) funded project.
- 2003 – 2008 Research consultant, *Multiple Imputation of AVA Clinical Trials*, Centers for Disease Control and Prevention (CDC).
- 2007 Short Term Consultant, The World Bank, April-June.
- 2006 *Analysis and evaluation of financial aids to Tuscan artisan firms*. Istituto Regionale di Programmazione Economica Toscana (IRPET) funded project.
- 2005 – 2007 *Statistical methods for the evaluation of educational, training, and development policies*. MIUR-COFIN 2005 grant, Italian Ministry of Research and Higher Education, (with Enrico Rettore).
- 2004 – 2006 *Poverty and Fertility Dynamics in Developing Countries*. European Science Foundation (ESF) funded research network (European Collaborative Research Projects in the Social Sciences) (with Arnstein Aassve)
- 2003 – 2005 *Causal inference and graphical models*. MIUR-COFIN 2003 grant, Italian Ministry of Research and Higher Education (with Fabio Corradi).
- 2003 *Evaluation of Italian Student Aid Policies*. Research project funded by the Italian Ministry of Education and IRPET (with Carla Rampichini).
- 2003-2004 Research consultant, UCW (Understanding Children's Work), an ILO, UNICEF, and the World Bank inter-agency research project.

- 2002 – 2003 *Temporary work agencies as a springboard toward permanent employment.* Italian Ministry of Welfare grant, (with Andrea Ichino and Tommaso Nannicini). *Evaluation of Regional and State Aids to Firms (LR27)*. IRPET funded project.
- 1998 – 2000 *Evaluation of Regional Vocational Training Programmes.* IRPET funded project.
- 1995 – 1999 Honorary Visiting Fellow, Department of Economics, University of Leicester.
- 1992 Fellowship, Centro Interuniversitario di Econometria (CIDE).
- 1990 Associazione Villa Favard Award for outstanding student in Economics.
- 1990 Fondazione Federico del Vecchio Award for the best thesis in Economics.
- 1990 Fellowship, IRPET, Florence, Italy.

Teaching and short courses

Undergraduate Courses

- 1998 – present Statistics, Statistics for the Social Sciences, School of Political Science, University of Florence
- 2015 Statistics 186-Statistical Methods for Evaluating Causal Effects, Harvard University
- 2001 Statistics 100-Introduction to Quantitative Methods, Harvard University
- 1997 – 2000 Statistical Decision Theory (BA programme in Statistics), Faculty of Economics, University of Florence
- 1994 – 1998 Statistics I, Statistics II, Econometrics I (BA programme in Statistics), Faculty of Economics, University of Florence

Graduate Courses and International Schools

- 1996 – present Statistical Inference, Causal Inference, University of Florence.
- 2017 Statistics 286- Causal Inference and Program Evaluation, Harvard University
3rd ARCO Summer School, Methods for Program Evaluation, LISER, Luxembourg (with D.B. Rubin and A. Flores-Lagunes)
- 2016 Atlantic Causal Inference Conference, New York, NY. Pre-conference course: Principal stratification.
2nd ARCO Summer School, Methods for Program Evaluation, Florence (with D.B. Rubin)
- 2015 Statistics 286- Theory and Practice of Principal Stratification Analysis, Harvard University

- Causal Inference in Epidemiology and applications to Environmental Health, Summer School, University La Sapienza, Rome
- ARCO Summer School, Methods for Program Evaluation, Florence (with D.B. Rubin)
- 2012 Theory and practice of program evaluation, Short Course, CEPS/INSTEAD, Luxembourg.
- Summer School: Issues and Methods for the Evaluation of Public Policies, University of Naples "Federico II", Naples
- 2011 Statistical Methods for Causal Effects, Short Course, University of Helsinki.
- 2009 Causal Inference, Bocconi University, Italy
- 2007 Missing data in Statistical Practice, Applied Statistics Week, University Pompeu Fabra, Barcelona.
- Duration Models in Population Studies, School of the Italian Statistical Society, Florence.
- 2002 Statistical Models for the Analysis of Educational Processes, School of the Italian Statistical Society, Florence.
- 2001 Statistics 214-Causal Inference (with D.B. Rubin), Harvard University.
- 1994 Quantitative Methods (MA programme in Economics), University of Leicester.

Professional Activities

- 2014 – present Associate Editor, Biometrics.
- 2013 – present Associate Editor, The Annals of Applied Statistics.
- 2011 – present Associate Editor, Journal of the American Statistical Association - Theory and Methods.
- 2011 – 2014 Associate Editor, Journal of the Royal Statistical Society - Series A.
- 2008 – 2012 Associate Editor, Statistical Methods and Applications, Springer Verlag.
- 2003 – 2010 Member of the Ethical Committee for Pharmaceutical Experimentation (Comitato Etico Sperimentazione Farmaci) of the Arezzo Health Agency, Italy.
- 2013 Member of the Programme Committee, Fifth Italian Congress of Econometrics and Empirical Economics, CIDE, Genova, Italy.
- 2012 Member of the Programme Committee, Meeting of the Italian Statistical Society 2012, Member of the Programme Committee, Rome, Italy.
- 2010 Member of the Programme Committee, Fourth Italian Congress of Econometrics and Empirical Economics, CIDE, Pisa, Italy.

- 2009 Member of the Programme Committee, CLADAG 2009 – Seventh Scientific Meeting of the CLAssification and Data Analysis Group of the Italian Statistical Society, Catania, Italy.
- 2009 Member of the Programme Committee, Statistical Methods for the analysis of large datasets, Italian Statistical Society, Pescara, Italy.
- 2008 Member of the Programme Committee, International Conference on Health Policy Statistics, Health Policy Statistics Section of the ASA, Philadelphia, USA.
- 2005 Member of the Programme Committee, First Italian Congress of Econometrics and Empirical Economics, CIDE, Venezia, Italy.
- 2000 Member of the Organizing Committee, Scientific Meeting of the Italian Statistical Society, Florence, Italy.

Membership in Professional Societies: Italian Statistical Society (Società Italiana di Statistica, SIS), American Statistical Association (ASA), Econometric Society, International Society for Bayesian Analysis (ISBA).

Ph.D. Theses in Applied Statistics Supervised as Primary or Sole Advisor

- Ph.D. 2015 Laura Forastiere, “Bayesian Analysis of Cluster Randomized Encouragement Designs” University of Florence. Current Position: Post-Doc, Yale University and University of Florence
- Ph.D. 2009 Paolo Frumento, “Exploring mixtures models in causal inference.” University of Florence. Current Position: Researcher, Korolinska Institute, Stockholm, Sweden.
- Ph.D. 2008 Bruno Arpino, “Causal Inference for Observational Studies Extended to Multilevel Settings. The Case of the Fertility Effect on Poverty in Vietnam.” University of Florence. Current Position: Associate Professor, Pompeu Fabra University, Barcelona, Spain.
- Vincenzo Mauro, “Statistical methods for the evaluation of policies for firms.” University of Florence. Current Position: Assistant Professor, University of Pisa, Italy.
- Ph.D. 2007 Michela Bia, “Applications of the Generalized Propensity Score. Evaluation of public contribution to Piedmont enterprises.” University of Florence. Current Position: Senior Researcher, LISER, Luxembourg.
- Ph.D. 2005 Alessandra Mattei, “Estimating causal effects in experimental and observational studies suffering from missing data.” University of Florence. Current Position: Associate Professor of Statistics, University of Florence, Italy.
- Davide Conforti, “Evaluating the effects of a policy to support young entrepreneurs (LR 27/93).” University of Florence. Current Position: Funzionario,

Agenzia delle Entrate, Direzione regionale della Toscana, Florence, Italy.

- Ph.D. 2000 Andrea Mercatanti, "Causal Inference with Noncompliance and missing data." University of Florence. Current Position: Funzionario, Banca d'Italia, Rome, Italy.
- Ph.D. 1999 Antonella D'Agostino, "A model for analyzing the school-to-work transition." University of Florence. Current Position: Associate Professor of Economic Statistics, University of Naples "Parthenope", Italy.
- Ph.D. 1998 Cheti Nicoletti, "Regression analysis with incomplete panel data." University of Florence. Current Position: Professor of Economics, University of York, UK.

Ph.D. Theses Jointly Supervised

- Ph.D. 2005 Tommaso Nannicini, PhD in Economics, European University Institute. Current Position: Professor of Economics, Department of Economics, Bocconi University, Milan, Italy.
- Ph.D. 2005 Francesca Francavilla, "Investment in Education versus Early Entry in the Labour Market in Developing Countries." Ph.D. in Development Economics, University of Florence, Italy. Current Position: Research Fellow, OCSE, Paris, France.
- Ph.D. 2002 Junni Zhang, "Causal Inference with Principal Stratification." Ph.D. in Statistics, Harvard University. Current Position: Associate Professor of Statistics and Econometrics, Beijing University, China.
- Ph.D. 2002 Michela Baccini, PhD in Applied Statistics, University of Florence, Italy. Current position: Associate Professor of Medical Statistics, University of Florence, Italy.

Publications

2017

Forastiere L., Mealli F., Miratrix L., Posterior Predictive P-values with Fisher Randomization Tests in Noncompliance Settings: Test Statistics vs Discrepancy Variables, *Bayesian Analysis*.

Baccini M., Mattei A., Mealli F., Bayesian inference for causal mechanisms with application to a randomized study for postoperative pain control, *Biostatistics*.

Feller A., Mealli F., Miratrix L., Principal Score Methods: Assumptions and Extensions, *Journal of Educational and Behavioral Statistics*.

Baccini, M., Mattei, A., Mealli, F. Bertazzi, P.A. and Carugno, M. Potential outcome approach to causal inference in assessing the short term impact of air pollution on mortality, *Environmental Health*.

- 2016 Mealli F., Pacini B., Stanghellini E., Identification of Principal Causal Effects Using Additional Outcomes in Concentration Graphs, *Journal of Educational and Behavioral Statistics*, 41, 463480.
- Forastiere L., Mealli F., VanderWeele T. Identification and Estimation of Causal Mechanisms in Clustered Encouragement Designs: Disentangling Bed Nets using Bayesian Principal Stratification, *Journal of the American Statistical Association*, 111, 510-525.
- Frumento P., Mealli F., Pacini B., and Rubin D.B. The Fragility of Standard Inferential Approaches in Principal Stratification Models Relative to Direct Likelihood Approaches, *Statistical Analysis and Data Mining*, 9(1), 58-70.
- 2015 Mealli F., Rubin D.B. Clarifying Missing at Random and Related Definitions, and Implications when Coupled with Exchangeability, *Biometrika*, 102 (4): 995-1000. (Correction in *Biometrika* (2016) 103 (2): 491).
- Li F., Mattei A., Mealli F. Evaluating The Causal Effect of University Grants on Student Dropout: Evidence from a Regression Discontinuity using Principal Stratification, *The Annals of Applied Statistics*, 9, 1906-1931.
- Mattei A., Mealli F. Commentary on "On Bayesian estimation of marginal structural models" by Saarela O., Stephens D. A., Moodie E. E. M., Klein M. B. *Biometrics*, ISSN: 0006-341X (print version) ISSN: 1541-0420 (electronic version).
- Mercatanti, A, Li, F, and Mealli, F. Improving inference of Gaussian mixtures using auxiliary variables. *Statistical Analysis and Data Mining*, 8 (1), 34-48.
- 2014 Li F., and Mealli, F. A Conversation with Donald B. Rubin. *Statistical Science*. 29(3), 439-457.
- Mattei A., Mealli F., Pacini B., Identification of causal effects in the presence of nonignorable missing outcome values, *Biometrics*. 70(2), 278-288.
- Mattei A., Mealli F., Pacini B., Identification of local causal effects with missing outcome values and an instrument for nonresponse, *Communications in Statistics - Theory and Methods*. 43(4), 815-825.
- Li F., Baccini M., Frangakis C.E., Mealli F., Rubin D. B., Zell E., Multiple Imputation by Ordered Monotone Blocks with Application to the Anthrax Vaccine Adsorbed Trial, *Journal of Computational and Graphical Statistics*. 23(3), 877-892.
- Conti E., Duranti S., Mattei A., Mealli F., Sciclone N. The effects of a dropout prevention program on secondary students' outcomes. *Rassegna Italiana di Valutazione*, 58, 15-49.

- 2013 Mattei A., Li F., Mealli F. Exploiting multiple outcomes in Bayesian inference for causal effects with intermediate variables, *The Annals of Applied Statistics*, 7, 2336-2360.
- Mealli F., Pacini B., Using secondary outcomes to sharpen inference in randomized experiments with noncompliance, *Journal of the American Statistical Association*, 108, 1120-1131.
- Mattei A., Mealli F., Pacini B., Exploiting Multivariate Outcomes in Bayesian Inference for Causal Effects with Noncompliance. In N. Torelli; F. Pesarin, A. Bar-Hen (Eds.). *Studies in Theoretical and Applied Statistics. Part III: Statistical Modelling and Data Analysis*. Springer.
- Mealli F., Invited Discussion of “Experimental Designs for Identifying Causal Mechanisms” by Imai, Tingley and Yamamoto, *Journal of the Royal Statistical Society - Series A*, 176.
- Mealli F., Potential Outcomes. Entry in the *Encyclopedia of Quality of Life Research*.
- 2012 Frumento P., Mealli F., Pacini B., and Rubin D.B., Evaluating the Effect of Training on Wages in the Presence of Noncompliance, Nonemployment, and Missing Outcome Data, *Journal of the American Statistical Association*, 107, 450-466.
- Mattei A., Mealli F., A Refreshing Account of Principal Stratification, *International Journal of Biostatistics*, 1, 1-37.
- Roli G., Mealli F., Pacini B., Estimation of causal effects in latent strata with an encouragement for response *Communications in Statistics - Theory and Methods*, 41, 3150-3161.
- Mealli F., Rampichini C., Evaluating the effects of university grants using regression discontinuity designs, *Journal of the Royal Statistical Society - Series A*, 175, 775-798.
- 2011 Schwartz S., Li F., Mealli F., A Bayesian Semiparametric Approach to Intermediate Variables in Causal Inference, *Journal of the American Statistical Association*, 106, 1331-1344.
- Mattei A., Mealli F., Augmented Designs to Assess Principal Strata Direct Effects, *Journal of the Royal Statistical Society - Series B*, 73, 729-752.
- Li F., Mealli F., Discussion of the paper Transparent parametrization of models for potential outcomes by Richardson, Evans and Robins, in J. M. Bernardo, M. J. Bayarri, J. O. Berger, A. P. Dawid, D. Heckerman, A. F. M. Smith, and M. West (Eds.) *Bayesian Statistics 9*, Oxford University Press.
- Mealli F., Pacini B., Rubin D.B., Statistical Inference for Causal Effects, in Kenett R. and Salini S. (Eds.) *Modern Analysis of Customer Satisfaction*

- Surveys*, Chapter 10, Wiley.
- Mattei A., Mealli F., Rubin D.B., Missing Data and Imputation Methods, in Kenett R. and Salini S. (Eds.) *Modern Analysis of Customer Satisfaction Surveys*, Chapter 8, Wiley.
- Mealli, F., Pacini B., and Roli G. Evaluating the effects of subsidies to firms with nonignorable missing outcomes, in Ingrassia S., Rocci R. and Vichi M. (Eds.), *New Perspectives in Statistical Modeling and Data Analysis*, Springer.
- Frumento P., Mealli F. and Pacini B. Causal inference with multi variate outcomes: a simulation study, in Ingrassia S., Rocci R. and Vichi M. (Eds.), *New Perspectives in Statistical Modeling and Data Analysis*, Springer.
- Arpino B., Mealli F. The specification of the propensity score in multilevel observational studies, *Computational Statistics and Data Analysis*, 55, 1770-1780.
- 2010 Baccini M., Cook S., Frangakis C.E., LI F., Mealli F., Rubin D. B., and Zell E.R., Multiple Imputation in the Anthrax Vaccine Research Program, *Chance*, 23, 1.
- Guarcello L., Mealli F., and Rosati F.C., Household vulnerability and child labour: the effects of shocks, credit rationing and insurance, *Journal of Population Economics*, 23, 169-198
- 2009 Mattei A., Mealli F., and Pudney S., Living standards and fertility in Indonesia: A Bayesian analysis, *Giornale degli Economisti e Annali di Economia*, , 68, 175-210.
- Zhang J., Rubin D.B., and Mealli F., Likelihood-based Analysis of Causal Effects of Job-Training Programs using Principal Stratification, *Journal of the American Statistical Association*, 104, 166-176.
- 2008 Mealli F., and Pacini B., Comparing principal stratification and selection models in parametric causal inference with nonignorable missingness, *Computational Statistics and Data Analysis*, 53, 507-516
- Ichino A., Mealli F., and Nannicini T., From Temporary Help Jobs to Permanent Employment: What Can We Learn from Matching Estimators and their Sensitivity?, *Journal of Applied Econometrics*, 23, 305-327
- Grilli L., and Mealli F., Nonparametric Bounds on the Causal Effect of University Studies on Job Opportunities Using Principal Stratification, *Journal of Educational and Behavioral Statistics*, 33, 1, 111-130.
- 2007 Mattei A., and Mealli F., Application of the Principal Stratification Approach to the Faenza Randomized Experiment on Breast Self-Examination, *Biometrics*, 63 (2):437-46.

- Zhang J., Rubin D.B., and Mealli F., Evaluating The Effects of Job Training Programs on Wages through Principal Stratification, in D. Millimet, J. Smith, and E. Vytlacil (eds.), *Advances in Econometrics: Modeling and Evaluating Treatment Effects in Econometrics*, Elsevier Science Ltd, UK.
- Grilli L., and Mealli F., University Studies and Employment. An Application of the Principal Strata Approach to Causal Analysis, in L. Fabbri (ed.), *Effectiveness of University Education in Italy*, Physica-Verlag HD, 219–231
- 2006 Aassve A., Engelhardt H., Francavilla F., Kedir A., Kim J., Mealli F., Men-
carini L., Pudney S., and Prskawetz A. Poverty and Fertility Dynamics: A
comparative analysis, *Population Review*, 45(2).
- 2005 Ichino A., Mealli F., and Nannicini T., Temporary Work Agencies in Italy:
a Springboard toward Permanent Employment?, *Giornale degli Economisti e
Annali di Economia*, 64, 1, 1–27.
- 2004 Mealli F., Imbens G., Ferro S., and Biggeri A., Analyzing a Randomized Trial
on Breast Self Examination with Noncompliance and Missing Outcomes, *Bio-
statistics*, 5(2), 207–222.
- Grilli L., and Mealli F., Analysis of the effect of the degree programs by means
of principal stratification, *Proceedings of the XLII Scientific Meeting of the
Italian Statistical Society*, Cleup, Padova.
- Mealli F., and Chiandotto B., Decision oriented evaluation, Invited Paper,
Proceedings of the XLII Scientific Meeting of the Italian Statistical Society,
Cleup, Padova.
- Mattei A., and Mealli F., Assessing the Effect of a Teaching Program on Breast
Self-Examination in a Randomized Trial with Noncompliance and Missing
Data. *Proceedings of the 19th International Workshop on Statistical Model-
ing*, 455–459.
- 2003 Mealli F., and Rubin D.B., Commentary: Assumptions allowing the estima-
tion of direct causal effects, *Journal of Econometrics*, 112, 79–87.
- Parretti E., Mealli F., Magrini A., Cioni R., Mecacci F., La Torre P., Periti
E., Scarselli G., and Mello G., Cross-sectional and longitudinal evaluation of
uterine artery Doppler velocimetry for the prediction of pre-eclampsia in nor-
motensive women with specific risk factors. *Ultrasound Obstet Gynecol*, 22(2),
160–5.
- Mealli F., and Pudney S., Applying heterogeneous transition models in labour
economics: the role of youth training in labour market transitions, in C. Skin-
ner e R.L Chambers (eds.), *Analysis of Survey Data*, Wiley, New York.
- 2002 Mealli F., and Rubin D.B., Assumptions when Analyzing Randomized Ex-
periments with Noncompliance and Missing Outcomes, *Health Services and
Outcomes Research Methodology*, 3, 3-4, 225–232.

- Mealli F., and Rubin D.B., Discussion of "Estimation of intervention effects with noncompliance: Alternative model specifications" by B. Jo, *Journal of Educational and Behavioral Statistics*, 27(4), 411–416.
- Mello G., Parretti E., Cioni R., Lagazio C., Mealli F., and Pratesi M., Individual longitudinal patterns in biochemical and hematological markers for the early prediction of pre-eclampsia, *Journal of Maternal-Fetal & Neonatal Medicine*, 11(2), 93–9.
- Mealli F., and Rampichini C., Impact evaluation of University grants, *Proceedings of the 2002 Joint Statistical Meetings, American Statistical Association*, New York.
- 2001 Calzolari G., Magazzini L., and Mealli F., Simulation-Based Estimation of Tobit Model with Random Effects, in R. Friedmann, L. Knueppel, and H. Luetkepohl (eds.), *Econometric Studies, a Festschrift in Honour of Joachim Frohn*, Muenster: LIT Verlag, 349–369.
- Mealli F., and Rampichini C., Impact evaluation of University grants, *Proceedings of the Intermediate Scientific Meeting of Italian Statistical Society*, Tor Vergata, Rome, Italy.
- 2000 Mealli F., and Biggeri A., Identifiability of Causal Relationships in Non-Experimental Studies: Some Case Studies, *Proceedings of the XL Scientific Meeting of the Italian Statistical Society*, Florence, Italy.
- 1999 Mealli F., and Pudney S., Specification tests for random-effects transition models: An application to a model of the British Youth Training Scheme, *Lifetime Data Analysis*, 5, 213–237.
- Mealli F., and Rampichini C., Estimating Binary Multilevel Models through Indirect Inference, *Computational Statistics and Data Analysis*, 29, 313–324.
- 1998 Pudney S., Galassi F.L., and Mealli F., An Econometric Model of Farm Tenures in Fifteenth-Century Florence, *Economica*, 65, 535–56.
- Mealli F., Three score tests for binary response random effect models, *Proceedings of the XXXIX Scientific Meeting of Italian Statistical Society*, Sorrento, Italy.
- 1996 Mealli F., and Pudney S., Occupational pensions and job mobility in Britain: estimation of a random-effects competing risks model, *Journal of Applied Econometrics*, 11, 293–320.
- Mealli F., Pudney S., and Thomas J., Training duration and post-training outcomes: a duration-limited competing risks models, *Economic Journal*, 106, 422–433.
- Corradi F., and Mealli F. Nonparametric specification of error terms in dynamic models, in Berger et al. (eds.), *Bayesian Robustness*, Institute of Math-

emational Statistics, Lecture notes series.

Corradi F., and Mealli F., Dynamic Linear Models: a semi-parametric approach, *Proceedings of the XXXVIII Scientific Meeting of Italian Statistical Society*, Rimini.

- 1993 Mealli F., and Rampichini C., Duration and completion of university studies amongst Italian undergraduates: individual choice and education policy, *Bulletin of the International Statistical Institute*, 49th session.
- 1992 Mealli F., and Pacini B., Estimating Linear Models with Ordinal Qualitative Regressors by Maximum Likelihood. A comparison among estimation methods, in G. Diana, L. Pace e A. Salvani (eds.), *Due temi di metodologia statistica*, Rocco Curto Editore.

Submitted Manuscripts under Review

Mattei A., Mealli F. Ricciardi F. Bayesian Inference for Sequential Treatments under Latent Sequential Ignorability, (<http://arxiv.org/abs/1608.07180>).

Forastiere L., Airolidi E.M., Mealli F., Identification and estimation of treatment and interference effects in observational studies on networks,

(<https://arxiv.org/abs/1609.06245>).

Publications in Italian

- 2006 Mealli F., and Rampichini C., Metodi e modelli per la valutazione di impatto delle borse per il DSU, in L. Biggeri e G. Catalano (eds) *L'efficacia delle politiche di sostegno agli studenti universitari: l'esperienza italiana nel panorama internazionale*, Il Mulino, Bologna.
- 2005 Mealli F., Mele S., Rampichini C., and Sciclone N., La valutazione dell'efficacia delle borse per il diritto allo studio, *Rivista Italiana di Politiche Pubbliche*, 1,1–10.
- Grilli L., and Mealli F., L'effetto degli studi universitari sulle opportunit  di lavoro un'analisi principal strata model, in Crocetta (a cura di), *Modelli statistici per l'analisi della transizione universit -lavoro*, Cleup, Padova.
- 2002 Mealli F., and Pagni R., (a cura di) *Analisi e valutazione delle politiche per le nuove imprese. Il caso della LR Toscana 27/93*, Franco Angeli, Milano.
- 2001 Baccini M., and Mealli F., L'utilizzo dei residui a fini diagnostici nei modelli per dati di durata, *Serie Didattica del Dipartimento di Statistica "G. Parenti"*, University of Florence, Florence University Press.
- 1999 Mealli F., Viviani A., Pierotti F., Funzioni frontiera su dati panel: il caso della distribuzione commerciale, *Statistica Applicata*, 11(1), 77–92.
- Chiandotto B., and Mealli F., Decisioni statistiche: risvolti prescrittivi della teoria e applicazioni in campo assicurativo, in *Proceedings of the Giornate*

di Studio: Progetto Strategico CNR "Decisioni Statistiche: Teoria e Applicazioni", Pitagora Editrice, Bologna.

- 1997 Mealli F., and Corradi F., Studio di fattibilità per la valutazione dell'efficacia assoluta dei corsi di formazione professionale in Toscana, Appendice B del Volume *Monitoraggio e valutazione ex post dell'attività di formazione professionale - Anno formativo 1993-94*, Flash Lavoro, Quaderni 46, Regione Toscana.
- 1994 Mealli F., Scelte politomiche ed autoselezione, *Statistica*, 4, 501-519.
- 1993 Gori E., Mealli F., Rampichini C., Indicatori di efficienza ed efficacia per la valutazione dell'attività di formazione professionale, *Statistica*, 3, 501-533.

Invited talks (selection)

- 2017 Mealli F. Beyond Noncompliance: Assessing Causal Effect Heterogeneity in Longitudinal Studies Using Principal Stratification, Invited speaker, Conference on Causal Inference in Longitudinal Studies, Columbia University, NY.
Mealli F., Beyond noncompliance: causal inference with intermediate variables using principal stratification, Keynote speaker, *UK Causal Inference Meeting*, Essex, UK.
- 2016 Mealli F., Bayesian Causal Inference, Keynote speaker, *BAYSM*, Florence, Italy.
Mealli F., Principal Stratification and Types of Mediation, Invited session, *Atlantic Causal Inference Conference*, New York, NY.
Mealli F., Bayesian Inference for Regression Discontinuity Designs, *UK Causal Inference Meeting*, London, UK.
- 2015 Mealli F., Bayesian Analysis of Clustered Randomized Experiments, Invited talk, *NESS*, University of Connecticut, CT.
Mealli F., Analysis of Clustered Randomized Experiments with Interference, Keynote speaker, *Social and labour market policy evaluation with administrative data*, LISER, Luxembourg.
- 2014 Mealli F., Bayesian Inference for Sequential Treatments under Latent Sequential Ignorability, Invited talk, *Atlantic Causal Inference Conference*, Providence, RI, May 15-16.
- 2013 Mealli F., The role of secondary outcomes and covaraites in causal studies with intermediate variables, Invited talk, *Joint Statistical Meetings*, Montreal, Canada, August 3-8.
- 2012 Li F., Mattei A., Mealli F., Bayesian causal analysis with multiple outcomes, Invited talk, *ISBA 2012 World Meeting*, Kyoto, Japan, June 25-29.
Mattei A., Mealli F., Pacini, B., Identification of causal effects in the presence of nonignorable missing outcome values, Invited talk, *Joint Statistical*

- Meetings*, San Diego, California, July 28-August 3.
- 2011 Mealli F., Pacini B. Using Secondary Outcomes and Covariates to Sharpen Inference in Instrumental Variable Settings *7th IZA Conference on Labor Market Policy Evaluation*, Harvard University, Institute for Quantitative Social Science (IQSS), October 7-8.
- Mattei A., Mealli F., Augmented Designs to Assess Principal Strata Direct Effects, Invited talk, *Joint Statistical Meetings*, Miami, Florida, July 29-August 4.
- 2009 Mattei A., Mealli F., and Pudney S. Living Standards and Fertility in Indonesia: A Bayesian analysis, *3rd Italian Congress of Econometrics and Empirical Economics*, Ancona, Italy, January 30-31.
- Mealli F., Baccini M., Li F., Frangakis C., Rubin D., and Zell E. Evaluating Multiple Imputation Procedures using Simulations in a Bayesian Prospective, *2009 Joint Statistical Meetings, American Statistical Association*, Washington D.C., August 1-6, 2009.
- Mattei A., Mealli F., and Pudney S. Living Standards and Fertility in Indonesia: A Bayesian analysis, *64th European meeting of the Econometric Society*, Barcelona, Spain, August 23-27.
- Frumento P., Mealli F., and Pacini B. Evaluating the effect of training on wage in the presence of noncompliance and missing outcome data, *64th European meeting of the Econometric Society*, Barcelona, Spain, August 23-27.
- 2008 Mealli F., and Pacini B. Exploiting instrumental variables in causal inference with nonignorable outcome nonresponse, *63th European meeting of the Econometric Society*, Milan, Italy, August 27-31.
- Mattei A., and Mealli F. Evaluating Direct and Indirect Effects in a Non-Experimental Setting Using Principal Stratification. An Application, *XLIV Scientific Meeting of the Italian Statistical Society*, Arcavacata di Rende, Cosenza, Italy, June 25-27.
- 2007 Mealli F., and Pacini B. Finding alternative sources of identification in generalized selection models using principal stratification. Invited Presentation. *Causal Effects in Economics*, Uppsala, June 18-21.
- 2005 Grilli L., and Mealli F. The effect of university studies on job opportunities: an application of the principal strata approach to causal inference. *25th European Meeting of Statisticians*, Oslo, July 24-28.
- Baccini M, Cook, S.R., Frangakis C., Li F., Mealli F., and Rubin D.R. Multiple Imputation by Ordered Monotone Blocks: The case of the Anthrax Vaccine Clinical Trial, Invited Talk, *6th International Conference on Health Policy Research*, Boston, October 28-30.

- 2004 Grilli L., and Mealli F. Analysis of the effect of the degree programs by means of principal stratification, *XLII Scientific Meeting of the Italian Statistical Society*, Bari, Italy, June 9-11, 2004.
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- Mattei A., and Mealli F. Assessing the Effect of a Teaching Program on Breast Self-Examination in a Randomized Trial with Noncompliance and Missing Data. *19th International Workshop on Statistical Modeling*, Florence, Italy, July 4-8, 2004.
- Mealli F., and Rampichini C. Impact evaluation of University grants, *2002 Joint Statistical Meetings, American Statistical Association*, New York, August 11-15.
- 2001 Mealli F., and Rubin D.B. Assumptions when Analyzing Randomized Experiments with Noncompliance and Missing Outcomes, Invited Presentation, *International Conference on Health Policy Research*, Boston, MA, December 7-9.
- Mealli F., and Rampichini C. Impact evaluation of University grants, *Intermediate Scientific Meeting of the Italian Statistical Society*, Tor Vergata, Roma, Italy, June 4-6.
- 2000 Mealli F., and Biggeri A. Identifiability of Causal Relationships in Non-Experimental Studies: Some Case Studies, Invited Presentation. *XL Scientific Meeting of the Italian Statistical Society*, Florence, April 26-28.
- 1998 Mealli F. Three score tests for binary response random effect models, *XXXIX Scientific Meeting of Italian Statistical Society*, Sorrento, Italy, April 14-17.
- 1996 Corradi F, and Mealli F. Modelli dinamici lineari: un approccio semiparametrico, *XXXVIII Scientific Meeting of Italian Statistical Society*, Rimini, Italy, April 9-13.
- 1995 Corradi F, and Mealli F. Nonparametric specification of error terms in dynamic models *Second International Workshop on Bayesian Robustness* Rimini, 22 - 25 May.
- 1993 Mealli F., and Rampichini C. Duration and completion of university studies amongst Italian undergraduates: individual choice and education policy, *International Statistical Institute, 49th session*, Florence, Italy.

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