

CURRICULUM VITÆ

FEDERICO BELOTTI

ADDRESS

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PERSONAL DETAILS

Date of birth: 1976, December 17th
Place of birth: Rome
Nationality: Italian
Languages: English (good), Italian (native)

CURRENT POSITION

10/2009 → today
Research fellow
University of Rome “Tor Vergata”
Project: *“Productivity and Performance of the Italian NHS: a quantitative analysis”*
CEIS - Ministry of Health

RESEARCH INTERESTS

Microeconometrics, Health Econometrics, Economics of IT and networks

EDUCATION

9/2006 – 7/2011

Ph.D. in “*Econometrics and Empirical Economics*” (EEE)

University of Rome “Tor Vergata”

Title: *Three Essays on Applied Econometrics*

Supervisor: Prof. Vincenzo Atella

Examinators: Prof. Partha Deb (CUNY and NBER)

Prof. William Greene (Stern School of Business, NYU)

9/2004 – 8/2005

M.Sc. in Economics

University of Rome Tor Vergata

Major: Quantitative Methods (MEI)

9/1996 – 7/2004

Degree in Economics, Financial Markets and Institutions

University of Rome Tor Vergata

Major: Econometrics (Supervisor: Prof. Franco Peracchi)

Title: *The Smoking behavior in Europe: evidence from ECHP microdata*

REFEREED JOURNAL PAPERS

“Translation from Narrative Text to Standard Codes Variables with Stata” with Depalo D., *Stata Journal*, 10(3), (2010), 458-481

“Technology Adoption and Innovation in Public Services. The Case of E-Government in Italy” with Arduini D., Denni M., Giungato G., Zanfei A., *Information Economics and Policy*, 22 (2010), 3, 257-275.

ITALIAN JOURNAL PAPERS

“Discussione” a “Assicurazione sanitaria di Barigozzi F.”, con Atella V., *Rivista di Politica Economica*, IX-X (2006), 257-273.

“L’innovazione nelle amministrazioni pubbliche: evidenza sulla diffusione dell’eGovernment in Italia” with Arduini D., Denni M., Giungato G., Reggi L., Zanfei A., *Economia e Politica Industriale*, 2 (2008), 173-186.

“La diffusione dell’eGovernment presso i Comuni italiani: il ruolo dei legami fra servizi di back e front office” with Arduini D., Denni M., Giungato G., Reggi L., Zanfei A., *Economia dei Servizi*, 3 (2008), 337-360.

BOOK CHAPTERS

“La spesa sanitaria privata in Italia: le evidenze empiriche”, with Atella V., in *La sanità in Italia* (2008), edited by Pedone A., Il Sole24ore, Roma.

UNPUBLISHED PAPERS

“Can better drug treatment improve long-run financial sustainability of NHS in Italy? The case of Statins”, with Atella V., Cortese C., D’Amico F.

“Le tecnologie dell’informazione e della comunicazione: lo stato della diffusione nelle imprese italiane ed europee negli anni 2005 – 2007 e un’analisi dell’impatto sull’efficienza tecnica” with Denni M., Giungato G., Nurra A.

WORKING PAPERS

“Technology Adoption and Innovation in Public Services. The Case of E-Government in Italy” with Arduini D., Denni M., Giungato G., Zanfei A., *Working Papers*, 0804, Università di Urbino Carlo Bo.

“Disentangling true determinants of drug therapy effectiveness: A double fixed effects approach”, with Atella V. and Depalo D., *CEIS Research Papers*, 186, Tor Vergata University. (submitted to Review of Economics and Statistics)

WORK IN PROGRESS

“Minimum Density Power Divergence Estimation for m -components Poisson Mixtures Regression Models”, with Deb P.

“Practical Identification in Stochastic Frontier Models with Unobserved Heterogeneity”, with Atella V., Daidone S. and Ilardi G.

“Frequentist and Bayesian Stochastic Frontier Analysis with Stata”, with Daidone S., Ilardi G.

“Consistent Estimation of the “True” Fixed-effects Stochastic Frontier Model”, with Ilardi G.

“A Bayesian True Random Effect Estimator for Stochastic Frontiers: An Application based on Italian Hospitals”, with Atella V., Daidone S. and Ilardi G., Marini G. (submitted to Journal of Health Economics)

On-line periodics:

15/02/2007 “Ma l’Authority non serve”, with SISPER research group
published on *lavoce.info*

14/06/2007 “Gli sconti non sono uguali per tutti”, with Atella V., published on *lavoce.info*

08/2008 “Prevenzione farmacologica e spesa. Un’analisi a livello regionale”, with Atella V.,
D’Amico F., published on *Care*

PRESENTATIONS AT CONFERENCES AND SEMINARS

2011

European Workshop on Efficiency and Productivity Analysis, Verona, IT

2010

Annual Health Econometrics Workshop, Detroit, MI

VISITING POSITIONS

9/2010 – 4/2011

Visiting researcher

The City University of New York (Hunter College)

Department of Economics

PROFESSIONAL EXPERIENCE

09/2008 → today

SIMG / Health Search (Supervisor: Prof. Atella V., Prof. Cricelli C.)

Activities: Economic analysis of EPR data, microsimulation and report writing:

- i*) Design and development of a simulation model for National Health System costs
- ii*) Epidemiological and economic analysis of type II diabetes mellitus
- ii*) Epidemiological and economic analysis of dyslipidemia

05/2008 – 02/2009

Confcommercio (Supervisor: Dr. Bella M.)

Research office

Activities: Economic analysis of statistical data and report writing:

- i*) Estimation of an error correction Almost Ideal Demand System
- ii*) Forecast households consumption with ARIMAX models to compute ICC index

07/2008 – 12/2008

ISTAT (Supervisor: Dr. Giungato G.)
Directorate of Structural Economic Statistics

Project: “*Data collection and analysis on ICT adoption and use in enterprises*”

Activities: Econometric analysis and report writing

Eurostat Grants 2008

10/2007 – 12/2007

ISTAT (Supervisor: Dr. Giungato G.)
Directorate of Structural Economic Statistics

Project: “*Data collection and analysis on ICT adoption and use in enterprises*”

Activities: Econometric analysis and report writing

Eurostat Grants 2007

6/2006 – 12/2006

ISTAT (Supervisor: Dr. Giungato G.)
Directorate of Structural Economic Statistics

Pilot survey on: “*ICT Expenditures and Investment in Local Governments*”

Activities: Survey design and management

Eurostat Grants 2006

04/2006 – 04/2007

Faculty of Economics, University of Urbino (Supervisor: Prof. Zanfei A.)

Project: “*The Diffusion of ICT in the Italian Public Sector*”

Activities: Econometric analysis and report writing

9/2005 – 07/2007

ISTAT (Supervisor: Prof. Zamaro N.)
Directorate of Structural Economic Statistics

Project: “*Sistemi informativi per la predisposizione di un rapporto annuale su determinazione delle dotazioni organiche, analisi dei fabbisogni e rilevazioni delle eccedenze nelle pubbliche amministrazioni*”

(funded by Dipartimento della Funzione Pubblica)

Activities: Economic analysis of statistical data and report writing:

i) Design and development of a simulation model for manpower planning

ii) Evaluation of Italian hospitals’ technical efficiency by means of stochastic frontier and data envelopment analysis

TEACHING

10/2008– 6/2010

LUISS University, Rome
Teaching assistant, Macroeconomics
Prof. Vallanti G.

10/2009–12/2009

Tor Vergata University, Rome
Module: Introduction to Stata
Master of Development Economics and International Co-operation

3/2007–9/2008

LUISS University, Rome
Teaching assistant, Econometrics and Statistics for Economics
Prof. Vallanti G.

AWARDS

2011

Award for the Best “Young Researcher” Paper
“Consistent Estimation of the “True” Fixed-effects Stochastic Frontier Model”
European Workshop on Efficiency and Productivity Analysis, Verona, IT

COMPUTER SKILLS

OS: Linux, MacOSX, Windows (Server 2003/2008, 7, Vista, XP)

Stat-programming: Stata and Mata (advanced programming, certified), R (advanced), SAS (intermediate), SPSS (intermediate), Eviews (intermediate), Matlab (intermediate), Octave (basic), Sage (Basic), Mathematica (basic), Maple (basic), Fortran90 (basic), C (basic)

Scripting: BASH (advanced), Python (intermediate)

Database: MS Access, MySQL, MS SQL, PosgreSQL

Word processing: MS Word, L^AT_EX

Presentation - drawing: L^AT_EX beamer, MS Powerpoint, Adobe Photoshop, Corel Draw

Web-Server: Apache, Zope

Web Design: PHP (basic), HTML, DHTML. Advanced use of Dreamweaver, Flash, Fireworks, MS Frontpage. Webmaster and Co-founder of the econometrics.it and sisper.istat.it web sites. Developer of the web-based interface to the Economics and Accounting student database and management of the CUNY (Economics) website

CMS: Plone, Joomla, WordPress