

CLAUDIA CURI

Personal

Born on the 10th of March, 1980.

Italian nationality

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Summary of Experience

Currently, I am a researcher at the Luxembourg School of Finance. I received BS and MS degrees in Industrial Engineering from the University of Rome (Italy) as well as an MBA. I hold a PhD degree in Managerial Engineering (Industrial Economics) from University of Rome and in collaboration with Université Catholique de Lovain (Belgium). I have developed academic research in performance evaluation, productivity and efficiency analysis in the services industry, economic growth and multivariate data analysis. I have managed several different projects. I am involved full time as scientific consultant at the Central Bank of Luxembourg in a project of Performance Measurement of Financial Services in Luxembourg.

Current Positions:

Researcher in Economics and Finance, University of Luxembourg, School of Finance (since April 2007)

Scientific Consultant, Central Bank of Luxembourg and STATEC

I am currently working on Banking Performance Measurement using nonparametric statistics (Efficiency and Productivity Analysis, M&As, Consolidation, Regulation, Convergence) and theoretical research on improving inference of Malmquist Productivity Indices.

Part Time and Temporary Positions

Scientific Consultant, CNRS-Research Laboratory: Bureau d'Economie Théorique and Appliquée (BETA), Strasbourg (since April 2007)

Visiting Researcher

October 2009 Visiting Fellow Université Catholique de Lovain (UCL) –Institut of Statistics, Louvain-la Neuve. Collaboration with prof. Léopold Simar

February 2009 Visiting Fellow: CNRS-BETA, Strasbourg

Sett 2008-Oct 2008 Visiting Fellow Université Catholique de Lovain (UCL) –Institut of Statistics, Louvain-la Neuve. Collaboration with prof. Léopold Simar

Mar 2007–Dec 2007 Visiting Fellow: 7 months at the Université Catholique de Louvain (UCL)-Institut of Statistics, Louvain-la Neuve, Belgium. Collaboration with prof. Léopold Simar

Previous positions

Researcher at CNRS (Research Laboratory: Bureau d'Economie Théorique and Appliquée)

I was involved as researcher in a project of the French Minister of Higher Educational and Research dedicated to the Performance Evaluation of French Technology Transfer Office.

Research and Teaching Fellow, University of Rome, Tor Vergata, Department of Engineering of Enterprise
Principles of Microeconomics, 2005, 2006, 2007
Industrial organization, 2006, 2007
Game Theory, 2007

Member of board of examiners for thesis discussion sessions at Department of Industrial Engineering
Thesis co-examiner for the chair of Industrial organization at Department of Industrial Engineering

Education

2004-2007 **Ph.D** in Managerial Engineering, University of Rome, Tor Vergata, (Italy) and Université Catholique de Louvain (Belgium)
Dissertation: “An improved procedure for bootstrapping Malmquist Indices and its applications on the regional productivity growth”. Advisors: Prof. Paolo Mancuso, Léopold Simar

2004 -2005 **MBA**, University of Rome, Tor Vergata, with a thesis on Business Process Management.
Dissertation: “Il Knowledge Management e la Gestione per Processi
Overall GPA : 110/110 cum laude

2005 Professional Industrial Engineer (licensure)

2002-2004 **M.S.** Industrial Engineering , University of Rome, Tor Vergata
Overall GPA 110 cum laude

1999-2002 **B.S.** Industrial Engineering, University of Rome, Tor Vergata.
Dissertation: “Pharmacogenomics: new models of R&D, marketing and sales”

Research interests

- Performance Measurement in Banking and Service Sector
- Industrial Economics, Microeconomics, Production Economics and Economics of Science
- Economic Growth, Technological Change, Innovation and Convergence
- Theoretical research on productivity measurement, efficiency, technological change and economic performance, using non parametric techniques (Data Envelopment Analysis)

Journal Publications

1. The Italian Airport industry in transition: a performance analysis (with Gitto S. and Mancuso P.), *Journal of Air Transport Management*, forthcoming.
2. Is telecommunications productivity characterized by steady state conditions? Some empirical evidence for 13 OECD countries (with Mancuso P.), *Communications & Strategies*, n. 74, 2009.
3. Un'applicazione della Data Envelopment Analysis (DEA) per la misurazione dell'efficienza degli aeroporti italiani dopo la privatizzazione del settore (with Gitto S. and Mancuso P.), *L'Industria*, n. 4, pp. 698-612, 2008.
4. Assessing differences in energy efficiency evolution between high and middle income countries (with Liang D. and Mancuso P.), *Journal of Energy and Development*, vol.32 n.2, 2007.

Chapter of Books

1. "Un'applicazione della Data Envelopment Analysis (DEA) per la misurazione dell'efficienza degli aeroporti italiani dopo la privatizzazione del settore" (with Gitto S. and Mancuso P.) in Leporelli, C., Reverberi, P., Avenali, A. (Eds), *Reti, servizi e competitività delle imprese. Sistemi globali e sistemi locali per lo sviluppo*. XVII Riunione scientifica AiIG. Aracne, Roma, 2006.
2. "L'evoluzione dell'intensità di energia in Cina ed in 11 Paesi OECD: un'analisi basata sul Multiplicative Log-Mean Divisia Method" with (with Liang D. and Mancuso P.) in *Atti XVI Convegno nazionale AiIG (Associazione italiana di Ingegneria Gestionale), L'impresa del futuro: reti, cluster e piattaforme tecnologiche*, 2005.

Journal Submissions

1. "Italian airports: are they really efficient?" (with Gitto S. and Mancuso P.), submitted for publication.

Other Publications

1. PhD Thesis, "An Improved procedure for Bootstrapping Malmquist Indices and its applications on the regional economic growth" *University of Tor Vergata, Rome, Studies and Engineering Research*, Dspace <http://dspace.uniroma2.it/dspace/handle/2108/725>.
2. "Managerial assessment of Italian airport efficiency: a statistical DEA approach" (with Simone Gitto and Paolo Mancuso), *Discussion Paper, University of Tor Vergata, Rome, Studies and Engineering Research*, <http://dspace.uniroma2.it/dspace/handle/2108/899>.
3. "Analysing Total Factor Productivity through a bootstrap-based nonparametric approach: the case of Italian regions" (with Andrea Bonaccorsi, Cinzia Daraio, Paolo Mancuso, Leopold Simar), *Discussion Paper N 0725, Institute of Statistics, UCL, 2007*, http://www.stat.ucl.ac.be/IAP/PhaseVI/publication_tr.html.

4. “Does banking production model influence the bootstrapped DEA measures? An application to quarterly data of banks in Luxembourg” (with Guarda, P.), Working Paper at Central Bank of Luxembourg, *forthcoming*.
5. “Banking sector analysis: subsidiaries vs. branches in Luxembourg” (with Guarda P. and Zelenyuk V.), Central Bank of Luxembourg, Bulletin December 2009.

CONFERENCE PRESENTATIONS

Curi C. (speaker), Guarda P. (2009) “*Does banking production model influence the bootstrapped DEA measures? An application to quarterly data of banks in Luxembourg*” XI European Workshop on Efficiency and Productivity Analysis, June 23-26, 2009.

Curi C. (speaker), Guarda P. (2008) “*Measuring Efficiency of Banks in Luxembourg using a Bootstrap Non Parametric Approach*”, New York University, Stern School of Business, Fifth North American Productivity Workshop, June 24-27, 2008.

Curi C. (speaker), Daraio C., Llerena P. (2008) “*Measuring the Technical Efficiency of French TTOs: first insights*” Knowledge in space and time: economic and policy implications of the Knowledge-based economy, BETA, University Louis Pasteur, Strasbourg, (France) April, 7-9, 2008.

Bonaccorsi A., Curi C. (speaker), Daraio C., Mancuso P., Simar L. (2007) “*Analysing Human Capital Convergence by applying a bootstrap-based non parametric approach: the case of Italian regions*” 22nd European Conference On Operational Research, Prague, July, 8-11, 2007.

Curi C. (speaker), Daraio C., Mancuso P., Simar L. (2007) “*Improving Statistical Inference on Malmquist Productivity Index*” Tenth European Workshop on Efficiency and Productivity Analysis IESEG School of Management, (CNRS) Lille, June 27-30, 2007.

Curi C. (speaker), Gitto S., Mancuso P. (2006) “*An application of robust nonparametric methods to measure the efficiency of Italian airports after privatization*” Proceeding on GARS and Frontier Economics Workshop of the Liberalization of the Air Transport, Airport Regulation and Benchmarking, London, November 10-11, 2006.

Curi C., Gitto S., Mancuso P. (2006) “*An application of Data Envelopment Analysis (DEA) to measure the Italian airport efficiency after the privatization*”, Proceeding on the AiIG Conference of the Enterprise networks, services and competitiveness: global and local system for the development, Rome, October 12-13, 2006.

Curi C. (speaker), Liang D., Mancuso P. (2005) “*Is China energy intensity different from others OECD countries? Some empirical evidences by industry sectors based on Multiplicative Log-Mean Divisia Method*” Proceeding on the AiIG Conference of the Enterprise of future: network, cluster and technological platforms”, Catania, October 12-13, 2005.

CONFERENCES AND SEMINARS

“Exploring research frontiers in contemporary statistics and econometrics”, Université Catholique de Lovain, Belgium, May 14-15, 2009

“Uses of Frontier Efficiency Methodology for Performance Measurement in the Financial Services Sector”, Imperial College , London, July 4-5, 2008

“Business forecasting” Université Catholique de Lovain, Belgium, March 27-30, 2007

“An invitation to the bootstrap: Panacea for Statistical Inference?” School of advanced Studies in Pisa, Prof. Léopold Simar (Université Catholique de Lovain, Belgium), November 20, 2006

“Recent Advances in Multivariate Data Analysis” School of advanced Studies in Pisa, Prof. Léopold Simar (Université Catholique de Lovain, Belgium), November 21, 2006

“Monitoring Italy 2005: Productivity, Growth & Competitiveness”. ISAE June, 2005

“Dinamic Panel Data Methods”. Einaudi Foundation and Bank of Italy. Prof. R. Blundell (University College London), F. Peracchi (University of Tor Vergata), March 25, 2005

“Micro-econometric evaluation methods”. Einaudi Foundation and Bank of Italy. Prof. R. Blundell, (University College London), F. Peracchi (University of Tor Vergata), March 24, 2005

COURSES

Banking

Summer School: “Risk Management and Regulation of Banks”, Pompeu Fabra University, Graduate School of Economics, Barcelona, July 6-19, 2009

Summer School: “Empirical Banking - Methodological Aspects”, Pompeu Fabra University, Graduate School of Economics, Barcelona, July 6-19, 2009

Statistics

Short course on “Business forecasting” Université Catholique de Lovain, Belgium, March 27-30, 2007, Prof. A. Guizzardi (University of Bologna, Italy)

Summer school on “Advanced quantitative methods for productivity and efficiency analysis”, School of advanced Studies in Pisa, Prof. L. Simar (Université Catholique de Lovain, Belgium), July 10-15, 2006

Course on “Panel Data Econometrics”. University of Crete, Dept. of Economics, Professor M. Arellano , August 20-27, 2006

Summer school on “Advanced quantitative methods for productivity and efficiency analysis”, School of advanced Studies in Pisa, Prof. L. Simar (Université Catholique de Lovain, Belgium), July 10-15, 2006

Course of “Analysing Panel Data: An Introduction”. Essex Summer School in Social Science Data Analysis, University of Essex. Prof. John Ermisch. August 8-19 2005

Course of “Analysis of Time Series Data: Non-Stationarity, Volatility, VARs, and Cointegration”. Essex Summer School in Social Science Data Analysis, University of Essex. Dr. K. Drakos. July 25-August 5, 2005

Course on “Exploratory Analysis of Data”. University of Rome, La Sapienza. Faculty of Statistics. Prof. R. Baragona. Rome, December 8-10, 2004

Management

AiIG Summer School on “Enterprises and sectors: the impact of the new information and communication technologies”, Bressanone September 11-15, 2006

AiIG Summer School on “Organization as strategy”, Bressanone September 12-16, 2005

Course on “Public Speaking”, January ,21-22, 2005. Prof. Agostino La Bella

Workshop on “Writing Scientific Reports”, University of Rome, Tor Vergata, Spring Session 2005

PROFESSIONAL ACTIVITIES

Referee: Journal of Productivity Analysis, Health Care Management Science, Applied Economics Journal

BUSINESS ACTIVITIES

- Product manager at Master in “Human Resource Management”. University of Rome, Tor Vergata, Department of Engineering of Enterprise (October 2005-2007)
- Accenture, Rome, Italy: internship focused on the development of a business model based on core competence for the pharmaceutical industry, under the supervision of Ing Stefano Andreello (May-July, 2004)
- Pfizer Italia, Roma: internship focused on the development of an innovative business model (R&D, Marketing and Sales) to support the pharmacogenomics in the pharmaceutical industry (May-July, 2002)

COMPUTER SKILLS

Statistic Software: Matlab, R

Decision Support Software: DPL, Expert Choice

Modelling language: IDEF0, IDEF3, UML, Visio

Microsoft Office package (ECDL certificate)

LANGUAGE SKILLS

Italian : native

English: fluent

French: intermediate

Luxembourg, December 7th 2009

Claudia Curi