

CURRICULUM VITAE
CARLO VALDES



CURRENT POSITION

Research Fellow, Osservatorio sui Conti Pubblici Italiani, Università Cattolica

Milan, Italy (from Nov. 2017)

Main task: Research on Italian Public Expenditure with Carlo Cottarelli (former Director of the Fiscal Affairs Department – International Monetary Fund).

Advisor, Talents Venture S.r.l.

Milan, Italy (from Mar. 2018)

Main task: Support to Talents Venture for Data analysis and research.

EXPERIENCE

Research Fellow, University of Cagliari

Cagliari, Italy (Jun. 2017 - Nov. 2017)

Main task: Development, in MATLAB and Python, of models of structural change within the research project "The Role of Genders in Jobs Polarization and Structural Transformation".

Research Trainee, Nomisma S.p.A

Bologna, Italy (Mar. 2017 - May 2017)

Nomisma S.p.A. is one of the most important Italian think tanks.

Main task: Econometric analysis with R, Python and Stata (with Andrea Goldstein, OECD, Nomisma and Il Sole 24 ore). Other projects with Concetta Rau, Economist (Nomisma), and Davide Tabarelli (Nomisma Energia). Support to Italcementi (leading Italian firm in cement production).

Teaching Assistant of Microeconomics, University of Cagliari

Cagliari, Italy (Feb. 2016 - Mar. 2017)

Main task: Lectures and Office Hours.

Research Trainee, Confindustria Romania, Research Center

Bucharest, Romania (May 2015 - Jul. 2015)

Main task: Analysis on Romanian economy and consulting activity to Italian firms operating in Romania.

EDUCATION

Visiting student, CEMFI (Centro de estudios Monetarios y Financieros, Bank of Spain)

Madrid, Spain (Aug. 2016 - Sep. 2016)

The CEMFI is an institution created by the Bank of Spain in order to develop graduate education and research in economics.

Main task: Research on general equilibrium models with heterogeneous agents in continuous-time (Python, Matlab) with Galo Nuño (senior Economist, Bank of Spain).

Master of Science in Economic Sciences (110/110 cum laude)

University of Cagliari (October 2015 - July 2017)

Thesis final manuscript: Capital Income Taxation in Aiyagari Models with Stochastic Lifetimes.

Bachelor's Degree in Economics and Business Administration

University of Cagliari (October 2010 - March 2015)

Thesis final manuscript: Designing an innovative start-up to remedy to Tripadvisor's inaccurate reliability reviews.

WORKING PAPERS AND WORK IN PROGRESS

All my works (more than 20 short papers) for the Research Center on Italian Public Accounts and for Talents Services are available here: <https://www.carlovaldes.it/reports-data-analyses>

"Structural Change in General Equilibrium Thinking"

with Alessio Moro. It will be published as a chapter of the UNU-MERIT project on structural change (June 2019).

"Capital income taxation and redistribution in Aiyagari models with stochastic lifetimes"

I am going to submit to the *Journal of Macroeconomics*.

SUMMER SCHOOLS AND OTHER COURSES

Summer School in Quantitative Economics and Finance

PhD level, University of Cagliari, 2017.

- "Numerical Methods for Time Inconsistency, Private Information and Limited Commitment". Antonio Mele, Lecturer, University of Surrey.
- "Social and Economic Networks". Angelo Mele, Assistant Professor, Johns Hopkins University.
- "Dynamic Models of the Family". Matthias Kredler, Associate Professor, Universidad Carlos III de Madrid.

Summer School in Quantitative Economics

PhD level, University of Cagliari, 2016.

- "Continuous-time methods for Economics and Finance". Galo Nuño, Senior Economist, Banco de España.

Summer School in Computational Economics

PhD level, University of Cagliari, 2015.

- "Introduction to simulation and estimation of DSGE models". Cristiano Cantore, Senior lecturer, University of Surrey.
- "Continuous-time methods for Economics and Finance". Galo Nuño, Senior Economist, Banco de España.

"Machine Learning", Stanford University

MOOC, through Coursera.org. NOT CERTIFIED.

"Introduction to Data Science", Microsoft Professional Program

MOOC, through Edx.org.

"Statistics and R", Harvard University

MOOC, through Edx.org.

"Microeconomic Principles in the Real World", University of California, Irvine

MOOC, through Coursera.org.

"Python for Everybody", University of Michigan

MOOC, through Coursera.org.

PRESENTATIONS

Optimization Toolbox for Economics in Matlab

University of Cagliari, November 2016.

SOME ARTICLES ON MY RESEARCH

"Davvero in Italia sono diminuite le auto blu?", Wired, 4/04/2018.
"«Auto blu, la giunta della Campania seconda soltanto a quella siciliana»", Corriere del Mezzogiorno, 29/03/2018.
"Il mistero delle auto blu dimezzate in soli tre anni. Ma quei numeri sono falsi", Repubblica, 26/03/2018.
"Partecipate, il muro dei Comuni dalla Romania a Hong Kong la resistenza delle Spa inutili", A&F, 25/02/2018.
"Nei programmi dei partiti ogni promessa diventa debito", Repubblica, 18/02/2018.
"Il caso dei falsi invalidi in Sardegna di cui nessuno parla", The Post Internazionale, 30/12/2017.
"La corsa delle pensioni di invalidità. In Calabria il doppio dei casi dell'Emilia Romagna", Repubblica, 6/12/2017.

PREVIOUS SELECTIONS (DOCUMENTATION AVAILABLE)

UCLA, University of California, Los Angeles

Invited as Research Assistant (Summer 2017)

Graduate Program in Economics - University Carlos III, Madrid

Admitted (200 candidates for 20 positions - Summer 2017)

PhD Program in Economics - Ca' Foscari, Venezia

Admitted (Summer 2017)

ENI - MEDEA: Master in Management e Economia dell'Energia e dell'Ambiente

Admitted (almost 2000 candidates for 20 positions - Summer 2017)

OTHER ACADEMIC EXPERIENCES

Reading Group on Continuous Time methods for Heterogeneous Agents Models

University of Cagliari (Mar. 2015 - Present), with Alessio Moro (Associate Professor), Vincenzo Merella (Associate Professor) and Giovanni Bella (Associate Professor)

Reading Group on Economics of Networks

University of Cagliari (Mar. 2015 - Present), with Alessio Moro (Associate Professor), and Stefano Matta (Associate Professor)

CONFERENCES

World Finance Conference

Staff Member, Cagliari, 2017

AIEL XXX National Conference of Labour Economics

Staff Member, Cagliari, 2015

AWARD

2017: Outstanding Graduate Prize

University of Cagliari

SKILLS

Strong command of Matlab, Latex. **Good command of:** Python, Stata, R, EViews. **English Level:** +B2

REFERENCES*

Carlo Cottarelli

Italian Government (former Commissioner of public spending reform), Osservatorio CPI (Director) and International Monetary Fund (former Executive Director)

Andrea Goldstein

OECD (Economist) and Nomisma (Chief Economist)

Alessio Moro

University of Cagliari (Associate Professor)

Galo Nuño

Bank of Spain (Senior Economist)

** Please, feel free to contact me in order to get in touch with one of them.*