

Education

London School of Economics and Political Sciences (LSE)

London, UK

MSc Econometrics and Mathematical Economics

09/2019 – 06/2020

- Grade: 78/100 (distinction). Distinction in 4/4 of the subjects.
- Subjects: Advanced Macroeconomics; Advanced Microeconomics; Econometric Analysis; Economic Growth, Development, and Capitalism in Historical Perspective.

Toulouse School of Economics (TSE)

Toulouse, France

Master 1 in Economics (International Track)

09/2018 – 08/2019

- Grade: 16.98/20.00 (*mention très bien*/first class honors). Ranking: 2/31. *Mention très bien* in 11/16 courses.
- Subjects: Macroeconomics; Intermediate Econometrics; Game Theory; Incentives; R programming; Development Economics; Evolution of Economic Behavior; Public Economics; Program Evaluation; Applied Econometrics; Panel Data; Time Series; Advanced Macroeconomics; Advanced Microeconomics.

License 3 en Economie (obtained as part of a double degree in economics TSE-UPF)

09/2017 – 06/2018

- Grade: 18.04/20 (*mention très bien*/first class honors).

Universitat Pompeu Fabra (UPF)

Barcelona, Spain

BSc in Economics

09/2015 – 06/2019

- Grade: 9.28/10.00 (first class honors). Ranking: 2/144. *Matrícula d'honor* (top 5% of the class) in 21/33 of the courses taken at UPF.
- Awarded the Graduation Special Award recognizing the top student in the 2015-2019 class of Economics.
- Training in: Microeconomics; Macroeconomics; Econometrics; Financial Economics; Accounting; Probability and Statistics; Mathematics (Real Analysis, Linear Algebra, Calculus, Differential Equations).
- Clubs: United Nations Students' Association, Debate Championships.

Professional experience

Centre de Recerca en Economia Internacional (CREi), UPF

Barcelona, Spain

Research Assistant for Professors Victoria Vanasco and Vladimir Asriyan

09/2020 – present

- Performed coding (Matlab), empirical analyses (Stata), and literature reviews.
- Main projects (funded by ERC Starting Grant (2020) "Information, Markets, and the Macroeconomy"): [Falling Interest Rates and Credit Misallocation: Lessons from General Equilibrium](#); [Security Design in Non-Exclusive Markets with Asymmetric Information](#); [Designing securities for scrutiny](#).
- Attended faculty weekly seminars and audited UPF-MRes courses.

Universitat Pompeu Fabra, Department of Economics

Barcelona, Spain

Research Assistant for Professor Marta Reynal-Querol

04/2019 – 08/2019

- Collected data on the first Spanish settlers in America.
- Wrote reports on the Spanish settlers' educational background and settlers' location.

CETEC, Private University Academy

Barcelona, Spain

Teacher

12/2017-06/2019

- Designed and taught coursework to optimize students learning on undergraduate-level Macroeconomics (1st-, 2nd-, and 3rd-year level), Microeconomics (1st- and 3rd-year level), Financial Economics (3rd-year level), and Labor Economics (3rd-year level).
- Conducted several classes of 30-35 students.

Research experience

Simple versus average inflation targeting: a comparison

In progress

- Analyzes, in a New Keynesian model with cost push shocks, the equilibrium and welfare properties of an interest rate rule that targets yearly inflation versus a rule that targets a N-period average of past inflation realizations.
- Finds that average targeting is better than simple targeting in a standard calibration of the model when cost-push shocks are small, and when the policymaker has no commitment.

Sharing a government? A spatial model of centralization versus decentralization

12/2020

- Incorporated a spatial dimension to Ventura (2019) to make project externalities dependent on the distance between regions.
- Found that the decision to (de)centralize projects can be sub-optimal when regions know their position on the space, while voting under the veil of ignorance would solve inefficiencies.

The effect of market potential on growth: a spatial analysis of population concentration in Spain (1900-2010)

06/2020

- Studied the relationship between the market access/potential of Spanish municipalities and growth.
- Found that the patterns of growth are consistent with New Economic Geography models, and that the largest metropolitan areas of Spain are already showing signs of economic congestion.
- Supervised by Dr. Neil Cummins. Obtained a distinction.

Modern economic growth and convergence: the long-run evolution of regional inequality in Spain (1860-2010)

06/2019

- Performed an analysis of sigma and beta convergence between Spanish regions during 1980-2010.
- Found that regions conditionally converged in the long run, but convergence halted in the last 40 years.
- Supervised by Prof. Albert Carreras. Awarded a *matrícula d'honor*.
- [Published](#) in the UPF *e-repositori*.

Do economies respond with neoclassical growth dynamics to natural disasters? Evidence from panel data on the effect of natural disasters on growth (joint with students Gerard Maideu (TSE) and Romain Bretenou)

04/2019

- Analyzed the growth effects of natural disasters by using a panel of data following countries over several years.
- Found that there is evidence of neoclassical growth dynamics for small disasters.
- Supervised by Dr. Shruti Sinha. Obtained a *mention très bien*.

Thar She Bursts revisited: Children, adolescents and bubble experiments (joint with students Carles Aulés-Blancher (LSE), Rut Balada, Anna Baiget, and Eduard Cruset (TU Delft))

06/2017

- Investigated the behavior of 9-year-old children and 15-year-old adolescents in Barcelona schools when confronted with the formation of economic bubbles.
- Adapted two existing experiments to be played by children and adolescents.
- Found that both children and adolescents create bubbles, and that the former may not even notice the bubble.
- Supervised by Prof. Marta Reynal-Querol. Awarded a *matrícula d'honor*.

Awards, fellowships, and scholarships

Graduation Special Award given to the top student in the 2015-2019 class of Economics.

12/2019

La Caixa Fellowship for Postgraduate Studies: 100% financing of graduate studies at LSE + living expenses and other allowances.

09/2019 – 06/2020

Ramón Areces Scholarship for Postgraduate Studies: Same as La Caixa Fellowship. Declined due to incompatibility with the latter.

Declined

Mobint Scholarship (Catalan Government): 1,200€ to finance exchange program at TSE.

03/2019

Best Debate Team in Economics (with Carles Aulés-Blancher) at the UPF's Debate Competition.

02/2018

La Pedrera Foundation Award: 100% financing of 1st-year tuition for undergraduate studies at UPF. Awarded to top SAT performers in Catalonia.

09/2015

International and national conferences

Virtual Talks La Caixa (10/2021): invited by La Caixa Foundation to debate on climate change, cryptocurrencies, and Brexit.

Seminario Virtual Banco Interamericano de Desarrollo (08/2020): invited by the *Labor Markets and Social Security Network* division of the IDB to present my Master thesis.

Models of United Nations (2017-2018): awarded Best Position Paper in EuroMUN2017.

Skills

Languages: *Catalan and Spanish (native); English (proficient); Italian and French (advanced).*

IT: *Stata, Matlab, Microsoft Office, LaTeX, Lyx (Advanced); R, Dynare, Mathematica (Intermediate); HTML/CSS, Git (basic).*

Other relevant information

UPF Teaching Assistant (*Expected for JAN-APR 2022*). Course: *Introduction to Macroeconomics* (Prof. Alberto Martin).

Audited courses (UPF-MRes in Economics) in Topics in Macroeconomics, Advanced Techniques in Macroeconomics I, Advanced Techniques in Macroeconomics II, Topics in Macrofinance.