

## 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 (1<sup>st</sup>-, 2<sup>nd</sup>-, and 3<sup>rd</sup>-year level), Microeconomics (1<sup>st</sup>- and 3<sup>rd</sup>-year level), Financial Economics (3<sup>rd</sup>-year level), and Labor Economics (3<sup>rd</sup>-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 1<sup>st</sup>-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.

**Instructor for accedeabecas.org**, an organization whose goal is to facilitate the access to excellence scholarships to students, especially those coming from a disadvantaged background.