# Clemente Pinilla Torremocha

Departamento Fundamentos del Análisis Económico
Universitat d'Alacant, 03690 Alicante, Spain

**Email:** clemente.pinilla@ua.es
**Website:** Clemente

Business Cycle Analysis Division
European Central Bank, 60314 Frankfurt am Main, Germany

---

## Research Interests

*Applied Macroeconomics, Time Series Econometrics , Expectations, Learning Models.*

My research particularly lies in the field of Applied Macroeconometrics (e.g. estimation of unobserved components, shock identification techniques). Currently, I work on (i) the estimation and study of the effects of expectations on house price fluctuations (confronting the fundamental and expectational view), (ii) analyzing the effects of nontechnological news shocks on unemployment fluctuations. In my JMP, I disentangle the nature (permanent and transitory) and channels (global, domestic and energy) driving current highs in Euro Area inflation.

## Education

- *Universitat d'Alacant*
Ph.D. in Economic Analysis.
Advisor: Gabriel Pérez Quirós. Aug. 2020 - Present

- *Universitat d'Alacant*
Master in Economic Analysis (Quantitative Graduate Program). Sep. 2019 - July 2020

- *Universitat Autònoma de Barcelona*
Master in Economic Analysis (IDEA Graduate Program) Sep. 2017- July 2019

- *University of Maastricht*
Erasmus Program in Economics. Sep. 2015- July 2016

- *University of Zaragoza*
Bachelor's Degree in Economics
Main field: Economic Analysis. 2012-2017

## Academic Visits & Research Experience

- *Universitat Autònoma de Barcelona*
Visiting Ph.D. Student (Faculty of Economics)
Sponsor: Jordi Caballé Sep. 2022 - Nov. 2022

## Research Papers

**Stable, Missing and Wild Inflation; the case of the Euro Area** *(Job Market Paper)*

**Understanding the drivers of Housing Prices; Fundamental vs Expectational View**

**The effect of non-technological news shocks on unemployment fluctuations; the case of Europe**
with Marta García Rodríguez (UAB)

## Seminars & Presentations

| | |
|---|---|
| ASSET 2023 | October 2023 |
| 22nd annual SAET Conference | July 2023 |
| 47th Simposio Spanish Economic Association | December 2022 |
| Midwest Macroeconomics Meeting Fall 2022 | November 2022 |
| Macro Club, UAB | October 2022 |
| 8th Annual Conference of the International Association for Applied Econometrics | June 2022 |
| UA Student Seminar | April 2021 |
| UAB PhD Student Seminar, ENTER Exchange Networ | March 2021 |

## Teaching

*PhD, University of Alicante*
Teaching Assistant, Macroeconomics II
Quantitative Graduate Program.
Professor: Fidel Pérez Sebastián.                                    Spring 2022 - Present

*Undergraduate, University of Alicante*
| Teaching Assistant, Intermediate Macroeconomics | 2020 - Present |
|---|---|
| Teaching Assistant, Introduction to Macroeconomics | 2021 |
| Teaching Assistant, Introduction to Statistics | 2022 |

## Professional Experience

- European Central Bank (ECB)
PhD Trainee, Directorate General Economics                            July 2023 - Present

- European Investment Bank (EIB)
Summer Student Position, Corporate Division and Procurement Compliance       June - July 2017

## Honors & Scholarships

-Master's Degree Extraordinary Prize, University of Alicante
Award for the best academic record of the graduating class                    2020

-Ph.D. Track Fellowship
University of Alicante                                                    2020-2023

-Erasmus Program Scholarship
| Ministerio de Educación de España | 2016 |
|---|---|
| Gobierno de Aragón | 2016 |

## Short Courses Attended

- "Energy Economics, Post-Graduate Course"
University of Alicante                                               Sep. - Dec. 2019

- "MFx Macroeconometric Forecasting"
IMF and edX                                                                                              2017

## References

**Gabriel Pérez Quirós**              **Fidel Pérez Sebastián**

BdE, ECB and CEPR                          UA and UoH
gperezquiros@gmail.com                      fidel.perez@ua.es

**Jordi Caballé**                    **Enrique Martínez García**

UAB, BSE and MOVE                          Fed Dallas, IHO
jordi.caballe@uab.es               enrique.martinez-garcia@dal.frb.org

## Skills

*LANGUAGES:*
Spanish (native), English (fluent)

*COMPUTER:*
Matlab (Proficiency), LATEX (Proficiency), Microsoft Office (Excel,Word and Power Point) (Proficiency), Python (Beginner), Stata (Middle level)

## Other Interest

I am a sport fanatic. Swimming used to be my daily motivation. I competed in national championships and achieved 3er position at nationals (2010).

# Clemente Pinilla Torremocha

My name is Clemente, born in Zaragoza (Spain), I am doing a PhD in Economic Analysis at the University of Alicante and currently doing a PhD traineeship in the Directorate General Economics (Business Cycles Analysis Division).

### Job Market Paper: Stable, missing and wild inflation: The case of the Euro Area:

Since the COVID economic reopening, Euro Area inflation has reached a 40-year high. This paper proposes a flexible econometric model, that allows me to decompose variables into trends and cycles and, obtain permanent and transitory shocks that feature stochastic volatility. The *shocks* at play are global and domestic shocks from a supply-demand side and energy supply shocks, identified by sign-restrictions. Trend inflation is found to be well 'anchored' at the 2% level from the late 90s to 2012. It started to fall bellow 2% during the European Sovereign Debt Crisis due to permanent demand factors (domestic and global). In 2022, trend inflation has skyrocketed to 3-4% due to a combination of negative supply shocks from a global and domestic side. The inflation-gap (cycle part) is at 6-7%, explaining around 70% of the total increase in headline inflation, which is mainly driven by energy supply shocks and excess demand. With these results, in the medium-term, headline inflation is expected to stay above the ECB's inflation target.

### Understanding the drivers of Housing Prices: Fundamental vs Expectational View:

This paper empirically confronts two different channels driving the 2000s boom-bust and the recent strong appreciation of house prices in Europe. The first channel, the fundamental view, is characterized by income and credit. While the expectational view is based on the expectations of households and construction firms. I propose a Panel Favar model that can determine these views' importance. First, the results show that expectations play a significant role in short and medium-run fluctuations of house prices, explaining 30% and 20% respectively. Second, the effect of a household's belief shock on house prices depends on the level of mortgage credit liberalization. Specifically, in countries with looser credit conditions, household beliefs significantly impact house prices. While in countries with tighter credit conditions, the impact is not significant. Overall, this research provides new evidence that credit market conditions can influence the effect of expectations on house prices.

### The effect of non-technological news shocks on unemployment fluctuations: The case of Europe: with Marta García Rodríguez (UAB)

This paper identifies non-technological news shocks from firm and household level survey data. For a panel of 22 European countries, we find that non-technological news shocks have persistent effect on unemployment and are the main driver in the medium/long-run, accounting for about 65% of its variance decomposition. In a business cycle model with a standard matching framework that departures from RE model, news shocks can account for that. Firms have imperfect knowledge of the future labor market tightness, which leads them to form their expectations adaptively. Waves of optimism or pessimism, triggered by news, influence the formation of expectations about future labor market conditions. Consequently, these changes in expectations induced by the news lead firms to increase or decrease vacancies, affecting unemployment in the economy.