

# Konstantin Boss

International Doctorate in Economic Analysis  
Universitat Autònoma de Barcelona (UAB)  
Barcelona School of Economics (BSE)

+34 640 3536 22

✉ konstantin.boss@bse.eu

🌐 sites/google.com/konstantinboss

🏠 Torrent de l'Olla 117, 08012 Barcelona

## RESEARCH INTERESTS

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Applied time series econometrics; climate change; non-linear dynamics; forecasting

## EDUCATION

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- **PhD Candidate, UAB and BSE** since 2020  
*Advisor: Prof. Luca Gambetti*
- **MRes Economic Analysis (IDEA), UAB** 2018-2020  
*Thesis: Animal Spirits and Uncertainty (Prof. Gambetti)* GPA: 9.2/10
- **Master in International Economics, Georg-August Universität Göttingen** 2015-2017  
*Thesis: Indeterminacy and VAR-Based Analysis of DSGE Models (Prof. Sorge)* GPA: 1.4
- **Bachelor in Economics and Social Sciences, Free University of Bolzano/Bozen** 2010-2013  
*Thesis: Effect of Transport Infrastructure – The Case of the Brenner Base Tunnel (Prof. Wickström)* GPA: 101/110

## RESEARCH PAPERS

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- **JMP: What Goes Around Comes Around: the US Climate-Economic Cycle** 2023  
*with Alessandra Testa*
- **Forecasting Bilateral Refugee Flows with High-dimensional Data and Machine Learning Techniques** 2023  
*with Tobias Heidland, Andre Groeger, Finja Krueger and Conghan Zheng. R&R at Journal of Economic Geography.*
- **The Effects of Monetary Policy Shocks on Risk** 2022

## ACADEMIC PRESENTATIONS

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**2023:** Società Italiana d'Economia (SIE) 64th Annual Conference in L'Aquila, UAB Bellaterra Macro Club.  
**2022:** OECD Paris "Immigration in OECD Countries", UAB Bellaterra Macro Club, **2021:** BSE PhD Jamboree, Collegio Carlo Alberto Torino "14th PhD Workshop in Economics", UAB Bellaterra Macro Club

## TEACHING EXPERIENCE

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- **BSE Summer School**  
*Macroeconometrics*
  - Introduction to Times Series Analysis (Instructor) (2022, 2023)
  - Time Series Models for Macroeconomic Analysis I (TA) (2022, 2023)
  - High-Dimensional Time Series Models I: Factor Models (TA) (2023)
  - High-Dimensional Time Series Models II: Big Data and Machine Learning (TA) (2022, 2023)
- **BSE Professional Courses**  
*Macroeconometrics*
  - Time Series Models for Macroeconomic Analysis (TA) (2022, 2023)
- **PhD Level**  
*UAB International Doctorate in Economic Analysis*
  - Math Brush Up (Instructor) (2023)
  - MATLAB Brush Up (Instructor) (2023)
  - Money & Banking (TA) (2022)
- **Graduate Level**  
*BSE Master's Programs*
  - Quantitative and Statistical Methods II (TA) (2021, 2022, 2023)
  - Master Projects for the Macroeconomic Policy and Financial Markets Program (TA) (2021, 2022, 2023)
  - Math Brush Up (Instructor) (2022, 2023)
  - Public Finance (TA) (2022)

## FUNDING

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- **FPI Fellowship** Ministerio de Ciencia e Innovación de España *since 2021*
- **PhD Track Fellowship** Barcelona School of Economics *2018-2020*

## PROFESSIONAL EXPERIENCE

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- **Institut d'Estudis Europeus at UAB** *2020-2021*  
*Research Assistant to Andre Groeger* *Barcelona*
  - Creation of a large origin-destination data base for international migration including Google Trends
  - Forecasting asylum applications in the EU member states using machine learning models
- **European Central Bank, DG Communications** *2017-2018*  
*Trainee* *Frankfurt am Main*
  - Development of communications toolkit for non-expert audiences
  - Hosting groups at the ECB's visitor centre
- **German-Irish Chamber of Commerce** *2014-2015*  
*Consultant* *Dublin*
  - Market studies on food and drinks in Ireland and the UK and renewable energies in Ireland
  - Market entry research in Ireland for German SMEs
- **Enviacon International** *2014*  
*Intern* *Berlin*
  - Market studies on for the German Ministries of Food and Agriculture and Economic Affairs and Energy
  - Organisation of business trips for international SMEs to and from Germany
- **Liaison office of the Autonomous Province of South Tyrol** *2013*  
*Intern* *Brussels*
  - Writing reports on EU funding opportunities and current events

## TECHNICAL SKILLS

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**Languages:** German (native), English (fluent), Spanish (fluent), Italian (intermediate), French (intermediate)  
**Software Tools:** MATLAB, R, Python, L<sup>A</sup>T<sub>E</sub>X, MS Office