ZOEL
MARTÍN VILATÓ

CONTACT INFO

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ABOUT ME

PhD candidate at Universitat Pompeu Fabra. Specialized in the application of Big Data in Economics. Expert in database assembly from unconventional sources, such as newspaper articles, tweets, and legal documents. Experienced in Natural Language Processing (NLP) tools, including topic modelling, scaling algorithms, and word embeddings. Solid theoretical and computational foundation in Economics, and extensive teaching experience.

EXPERIENCE

RESEARCH ASSISTANT   2022 - 2023
Centre de Recerca en Economia Internacional | *Barcelona, Spain*

Currently working on a Big Data-intensive project for Prof. Victoria Vanasco, under the ERC grant "Information, Markets and the Macroeconomy." Collected, cleaned and processed legal documents into numerical data. Computed measures of complexity from text and developed an instrumental variable (IV) strategy to estimate the effect of party polarization on the complexity of legal documents. Supervised and guided undergraduate research assistant.

TEACHING ASSISTANT   2017 - 2022
Universitat Pompeu Fabra | *Barcelona, Spain*

Teaching Assistant of undergraduate courses in Spanish and Catalan. Received UPF Teaching Prize in 2022 (ex aequo with Malachy James Gavan). Taught introductory modules of statistics and R programming, statistics for criminology students, international macroeconomics and monetary policy.

TEACHING ASSISTANT   2017
Barcelona School of Economics | *Barcelona, Spain*

Teaching Assistant of the graduate level course Advanced Econometrics I in English. Explained, analyzed and proofed in detail the finite- and large-sample behavior behind statistical estimators, with a focus on ordinary least squares (OLS) and generalized method of moments (GMM).

LEAD RESEARCH INTERN   2013 - 2014
FocusEconomics | *Barcelona, Spain*

Upgrade of the firm's database to the new server. Repair and supervision of corrupted files. Reduction of the project's expected completion time by 50%. Supervision of a team of interns and communication with the team of senior economists. Weekly updates with Bloomberg database.

EDUCATION

PhD in Economics   **2018 - 2023**
Universitat Pompeu Fabra | *Barcelona, Spain*

MRes in Economics   **2016 - 2018**
Universitat Pompeu Fabra | *Barcelona, Spain*

MSc in Economics   **2015 - 2016**
Barcelona School of Economics | *Barcelona, Spain*

BSc in Economics   **2011 - 2015**
Universitat Pompeu Fabra | *Barcelona, Spain*

SKILLS

Programming   Python, R, Stata, Matlab, LaTeX, Stan

Languages   Spanish (Native),
Catalan (Native),
English (Full Professional Proficiency),
French (Professional Working Proficiency),
Japanese (Limited Working Proficiency),
German (Limited Working Proficiency)

REFERENCES

Prof. Edouard Schaal   CREI, UPF and BSE
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Prof. Victoria Vanasco   CREI and BSE
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