

Z O E L

MARTÍN VILATÓ

CONTACT INFO

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ABOUT ME

PhD graduated from 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

ECONOMIST **2023 - Present**
CaixaBank Research | *Barcelona, Spain*

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

Participated in 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 assistants.

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 proved 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*

Participated in the upgrade of the firm's database to the new server. Supervised the repair of corrupted files. Reduced the project's expected completion time by 50%. Supervised a team of interns and lead the communication with the team of senior economists. Weekly updates with Bloomberg database.

EDUCATION

PhD in Economics <i>Universitat Pompeu Fabra</i> <i>Barcelona, Spain</i>	2018 - 2023
MRes in Economics <i>Universitat Pompeu Fabra</i> <i>Barcelona, Spain</i>	2016 - 2018
MSc in Economics <i>Barcelona School of Economics</i> <i>Barcelona, Spain</i>	2015 - 2016
BSc in Economics <i>Universitat Pompeu Fabra</i> <i>Barcelona, Spain</i>	2011 - 2015

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 Ramon Trias Fargas, 25-27 08005 Barcelona eschaal@crei.cat
Prof. Victoria Vanasco	CREI and BSE Ramon Trias Fargas, 25-27 08005 Barcelona vvanasco@crei.cat