Michael Fehl

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https://mtfehl.github.io/econ_portfolio/

EDUCATION

Barcelona School of Economics   **Barcelona, Spain**
Master Program in Economics & Finance   09/2025– 07/2026
Relevant courses: Applied Econometrics, Advanced Panel Data Methods, Networks &
Algorithms, Experimental Economics, Nonparametric Methods & Distributional Analysis,
Advanced Techniques in Applied Economics, Geospatial DS & Economic Spatial Models
Degree awarded by Universitat Pompeu Fabra and Universitat Autònoma de Barcelona

University of North Carolina at Chapel Hill   **Chapel Hill, USA**
Bachelor of Science in Economics   08/2019– 05/2023
Philosophy, Politics, & Economics (PPE) Minor

PROFESSIONAL EXPERIENCE

Duke University   **Durham, USA**
Teaching Assistant   06/2024–01/2025
- Imported & cleaned raw economic data from BEA and FRED using R to model industry profit trends
- Investigated key trends of important macro indicators during recessions & expansions in Excel & R
- Designed interactive dashboards that dynamically display updated macro indicators and corporate profits
- Developed automated tables in Excel that refreshes new macro data and dynamically updates charts.

University of North Carolina at Chapel Hill   **Chapel Hill, USA**
Researcher   02/2024– 04/2024
- Analyzed a data set with over 32,000,000 observations using various machine learning methods
- Accurately predicted customer repurchasing behavior in R with a boosting model accuracy of 88.4%
- Presented model results & ideal hyperparameter tunings using heat maps, bar graphs, and line graphs

University of North Carolina at Chapel Hill   **Chapel Hill, NC**
Independent Researcher   07/2023– 08/2023
- Modeled regressions in STATA on DHS panel data to predict health outcomes of women & children
- Found evidence that a new family planning policy was effective in increasing modern contraceptive usage

LANGUAGES & TECHNICAL SKILLS

Language skills: English (Native), Spanish (Intermediate)
Technical skills: R, Excel, STATA, Python, MATLAB, LaTeX, Quarto, SQL

ADDITIONAL INFORMATION

- Systematic Literature Review Volunteer, Water Institute, University of North Carolina at Chapel Hill, 2024
  Read, filtered, and sorted systematic literature relevant to WASH research focuses
- Volunteer, Carolina Covid Service Corps, University of North Carolina at Chapel Hill, 2021
  Administered free COVID-19 testing services to thousands of students on campus during the pandemic
- Research interests: Applied Microeconomics, Econometrics, Machine Learning, Game Theory