

# Michael Fehl

Date of birth: 19/01/2001  
Nationality: American

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## EDUCATION

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<b>Barcelona School of Economics</b> Master Program in Economics & Finance 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	<b>Barcelona, Spain</b> 09/2025– 07/2026
<b>University of North Carolina at Chapel Hill</b> Bachelor of Science in Economics Philosophy, Politics, & Economics (PPE) Minor	<b>Chapel Hill, USA</b> 08/2019– 05/2023

## PROFESSIONAL EXPERIENCE

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<b>Duke University</b> Research Assistant	<b>Durham, USA</b> 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.	
<b>University of North Carolina at Chapel Hill</b> Researcher	<b>Chapel Hill, USA</b> 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	
<b>University of North Carolina at Chapel Hill</b> Independent Researcher	<b>Chapel Hill, NC</b> 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

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Language skills: English (Native), Spanish (Intermediate)  
Technical skills: R, Excel, STATA, Microsoft Suite, MATLAB

## ADDITIONAL INFORMATION

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- 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, Health Econometrics, Machine Learning for Econometrics