Felipe Diaz Klaassen

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EDUCATION

University of Illinois Urbana-Champaign   *August 2015 – May 2022*
Ph.D. in Economics   *Urbana, IL*
STEM, Quantitative Economics and Econometrics after 2016
  Research: *"Essays on the Design of Criminal Justice Institutions"*
  Fields: Labor Economics, Applied Microeconomics, Political Economy

University of Chile   *August 2013 – May 2015*
M.S. in Economics   *Santiago, Chile*
  Master's Thesis: "Costly Information Acquisition and Voluntary Voting"
  Major GPA: 6.5/7.0 (equiv 4.0/4.0), Maximum Distinction
B.S. in Industrial Engineering | Major GPA: 6.1/7.0 (equiv 4.0/4.0), Maximum Distinction

PROFESSIONAL EXPERIENCE

Banco de Crédito e Inversiones (BCI)   *January 2015 – July 2015*
Process Engineer, *Risk Management Team*   Santiago, Chile
  • Development of procedures for Volcker Rule compliance.

IM Trust   *August 2012 – July 2013*
Analyst, *Strategy Department*   Santiago, Chile
  • Asset allocation using multi-factor asset pricing models and Black-Litterman approach.
  • Portfolio risk exposure using VaR.

ACADEMIC EXPERIENCE

University of Illinois Urbana-Champaign
Teaching Assistant *of "Big Data Analytics"*, Gies College of Business   *January 2020 – present*
  • Topics covered: data visualization, machine learning, A/B testing, R programming within AWS.   *Urbana, IL*

Teaching Assistant *of "Principles of Microeconomics"*, Department of Economics   *August 2016 – December 2019*
  Urbana, IL
Research Assistant, *Department of Economics*   *May 2016 – Jul 2016, May 2019 – Jul 2019, May 2020 – Dec 2020*
  Urbana, IL
  • Health production modeling using constrained optimization methods in Matlab and R.
  • Built and geocoded panel dataset of Federal Firearms Licenses and (web-scraped) gun-related accidents.
  • Data analysis and spatial visualization using R, Python, and QGIS.
  • Causal inference with few clusters (wild and score bootstrap).

SKILLS

  • R (Advanced), Stata (Advanced), Python, Matlab, Java, SQL, GIS
  • Econometrics, Causal Inference, Machine Learning
  • Data Mining, Web Scraping, Data Visualization
  • Advanced Presentation and Reporting Skills with LaTeX and Microsoft Office

RESEARCH

  • Crime and (Monetary) Punishment
  • Time to Trial: Plea Bargaining with a Deadline
  • Value-Added in the Criminal Justice System (with Rebecca Thornton)
  • Quorum Rules in a Multiple-Issue Referendum (with Ricardo Piqué)

SCHOLARSHIPS AND AWARDS

  • Graduate Fellowship, Department of Economics, UIUC
  • Summer Research Award, Department of Economics, UIUC
  • List of Teachers Ranked as Excellent, UIUC

LANGUAGES

  • English (fluent), Catalan (intermediate), Spanish (native)

REFERENCES

Professor Rebecca Thornton	Professor Alexander Bartik	Professor Benjamin Marx
UIUC, Department of Economics	UIUC, Department of Economics	UIUC, Department of Economics
rebeccat@illinois.edu	abartik@illinois.edu	benmarx@illinois.edu