Lawrence R. De Geest

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EXPERTISE	Simulation, causal inference, econometrics, machine learning, experimentation, behavioral and applied microeconomics, complex systems.

EXPERIENCE (POST PhD)

Senior Data Scientist & Technical Lead, Lyft — *Oct. 2022 – Current*

- *Lead scientist/developer*
  – Proposed and led development of in-house software for quarterly policy planning.
  – Conducted and presented original research on:
    – effects of driver incentives on marketplace equilibria;
    – dynamic optimal tradeoff between long-term growth and short-term profit;
    – long-term effects of marketplace interventions.

Senior Data Scientist, National Basketball Association (NBA) — *Jul. 2021 – Sep. 2022*

- *Lead scientist/developer*
  – **Experimentation / causal inference** on new product development.
  – **Forecasting and changepoint detection** of second-by-second viewership data.
  – **Natural language processing** on how public opinion of the sport emerges and changes.
- *Lead scientist/developer* of two internal R packages for experimentation and causal inference.

Visiting Professor of Economics, University of San Francisco — *July 2022 – Current*

- *Designed/taught* graduate courses in causal machine learning and computational economics.

Assistant Professor of Economics, Suffolk University — *Aug. 2018 – Current (on leave)*

- *Designed/taught* courses in econometrics/machine learning/applied game theory in R
- *Published* six original research papers in top field journals as lead author
- *Developed* panelGMM (R): General Method of Moments estimators. [GitHub repo]
- *Won* +$35,000 in grants (internal)
- *Advised* 15 students per year in research and career development

Adjunct Professor of Economics, Boston College — *Fall 2019 – Current*

- *Designed/taught* graduate course in applied behavioral economics.

Assistant Professor of Economics, Wentworth Institute of Technology — *Aug. 2017 – Jul. 2018*

RESEARCH	Active researcher and lead author on six publications in top economics field journals. For a list of publications and replication files, working papers and ongoing projects, see https://lrdegeest.github.io/research/.

PROGRAMMING

Computing: R, Python, Stata, C++
Databases: SQL, Spark, Microsoft Azure
Reports and Dashboards: Mode, Databricks
Experiments: z-Tree, o-Tree

EDUCATION

University of Massachusetts, Amherst
PhD, Environmental and Resource Economics, 2017

University of Iowa
BA (honors), International Studies, concentration in Economics and Global Health, 2009

SERVICE

Mentorship: NBA Future Analytics Stars
Volunteer: Statistics Without Borders, Boston Public Schools, Marin Food Bank
Journal referee: Journal of Environmental Economics and Management, Resource and Energy Economics, Environmental Economics and Development, Ecological Economics, Experimental Economics, Games, Computational Economics, Journal of Economic Interaction and Coordination, Journal of Behavioral and Experimental Economics.