MATT DELVENTHAL

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EXPERIENCE

2018-22   Assistant Professor of Economics, Claremont McKenna College
- **Managed** 6 simultaneous in-depth research projects:
  - ▶ **Trained and supervised** 12 research assistants
  - ▶ **Predicted** moves within + across 384 U.S. metro areas due to remote work
    - ↪ interactive online app: *Visualizing the Future of Remote Work*
  - ▶ **Published** analysis of remote work impacts on L.A. area prices + traffic
  - ▶ **Won** 4 research grants totaling $168k
  - ▶ **Media coverage:** LA Times, Time Magazine, The Economist, El Confidencial, Academic Times, USC Marshall News, USC Tommy Talks, Skift, Fast Company, Wallethub, The Public Discourse, Penn's Exchange
- **Taught** courses:
  - ▶ Urban spatial data analysis
  - ▶ Macroeconomics of the U.S. city system
- **Presented** research to academic and non-academic audiences
  - ▶ 40+ scholarly presentations, including at Brown University, National Bureau of Economic Research, University of Pennsylvania, Minneapolis Federal Reserve Bank, Philadelphia Federal Reserve Bank, UC San Diego.
  - ▶ 300+ presentations for a general audience

2013-17   Research Assistant, MOVE, UAB
- **Built** database of birth/death stats for 188 countries over 500+ years
- **Created** custom method to **measure + analyze** global demographic transitions
  - ↪ interactive online app: *Visualizing Demographic Transitions*
- **Programmed** optimization algorithms for custom, non-linear statistical models

2011-12   Human Capital Analyst, ICF International
- **Developed** analysis tool to optimize across 57 IT systems for U.S. Navy.
- **Overhauled** financial reporting for a U.S. Air Force project worth $7 mil/year.
- **Designed** web-based leadership training for the US Army.

2005-09   Psychological Operations Sergeant, U.S. Army
- **Gathered, analyzed, + reported** weekly data on Arabic-language radio and TV ads
- **Interpreted** regular meetings between U.S. and Iraqi officials

2004-05   Business English Teacher, Intl. Communication Institute, Guadalajara, Mexico
- Taught business English to local employees of HP and Solectron.

EDUCATION

Ph.D. in Economics, Universitat Autònoma de Barcelona, 2018

M.A. in Economics, Universitat Autònoma de Barcelona, 2014

B.S. in Economics, University of Missouri-Saint Louis, 2010

SKILLS

Software: MySQL, SciPy, GeoPandas, OSMnx, Beautiful Soup, PyVis, PyDeck, Altair, R, Matlab, STATA, Gurobi, QGIS/ArcGIS

Methods: Linear + logistic regression, Monte-Carlo sim, Integer Programming, SVM, VAR

Languages: English, Arabic, Spanish, Catalan