

Richard Paquin Morel

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Research Experience

Dissertation Research • Northwestern University

August 2017 – Present • Evanston, IL

- Implemented econometric designs to identify the causal effect of education policies [\[link\]](#)
- Cleaned, wrangled, and merged messy longitudinal data from multiple sources
- Applied NLP techniques to analyze text data

Research Fellow • Multidisciplinary Program in Education Sciences

August 2014 – August 2017 • Northwestern University, Evanston, IL

- Applied methods for statistical inference using network data [\[link\]](#)
- Implemented a quasi-experimental research design (fuzzy regression discontinuity) to establish the causal impact of school policies [\[link\]](#)
- Wrote clear reports of analysis in approachable language for technical and non-technical audiences
- Presented findings at major academic conferences

Teaching and Leadership Experience

R Bootcamp Instructor • Northwestern University

September 2018 • Evanston, IL

- Created and delivered content on programming in R for 46 incoming Masters in Analytics students
- Incorporated best practices with version control (Git) and Rmarkdown
- Developed example scripts and exercises, and provided real time feedback to students

Child & Family Resources Advisory Board • Northwestern University

September 2017 – Present • Evanston, IL

- Reviewed institutional policies for supporting graduate student parents
- Created two initiatives to provide academic support for graduate students parents

Teaching Assistant • Northwestern University

May 2014 – June 2016 • Evanston, IL

- Supervised over 60 undergraduate students, lead classroom instruction, prepared and graded class materials
- Earned an average rating of 5.5 out of 6 on student evaluations

Elementary School Teacher • City of New York Public Schools

June 2006 – August 2012 • New York, NY

- Served as a New York City Teaching Fellow in high-need elementary schools
- Responded calmly to frequent and unpredictable high-pressure situations

Publications

Morel, R. & Coburn, C. Access, Activation, and Influence: How Brokers Shape Social Capital Among Professional Development Providers. *Forthcoming at American Educational Research Journal*.

Education

PhD

Human Development & Social Policy
Northwestern University
Expected Spring 2019 • Evanston, IL

MA

Human Development & Social Policy
Northwestern University
May 2016 • Evanston, IL

BA

Philosophy
Webster University
May 2004 • Saint Louis, MO

Toolkit

Languages

Fluent: R + RStudio • Stata • Markdown
Familiar: Python • SQL • Git

Packages

R: tidyverse, ggplot2, lfe, statnet, igraph
Python: pandas, scikit-learn, nltk, networkx, matplotlib

Relevant coursework

Graduate-level

Quantitative Methods I: Probability
Quantitative Methods II: Regression Analysis
Quantitative Methods III: Empirical Tools for Causal Quantitative Analysis
Designs for Descriptive Causal Research in Field Settings
Economics of Social Policy
Network Analysis

Professional Development

Data Scientist with Python Track
DataCamp - Summer 2017
Network Analysis: Statistical Methods
Summer workshop at University of Michigan - 2015
Data Analysis in Education I & II
UC Berkeley - 2012-2013