Richard Paquin Morel

1534 W. Elmdale Ave • Chicago, IL • 60660

richard.a.morel@gmail.com | @paquinmorel | ramorel.github.io | 646.812.8436

I'm a quantitative social scientist with six years of experience applying statistical models and econometric techniques to derive insights from the chaotic manifold of real-world data.

Programming: R, Stata, Python, Git, SQL
Analytic toolkit: Exploratory data analysis, data visualization, regression analysis, quasi-experimental methods, causal inference, applied econometrics, network analysis, classification, text analysis, mixed methods

Education

Ph.D., M.A. Human Development and Social Policy, Northwestern University   Expected May 2019
Revelant coursework: Quantitative Methods I: Probability, 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: DataCamp - Data Scientist with Python Career Track (Summer 2017), Network Analysis: Statistical Methods (Summer workshop at University of Michigan, Summer 2015)

Research Experience

Northwestern University • Evanston, IL   2013-Present
Dissertation Research
• Implemented econometric designs to identify the causal effect of education policies [link]
• Cleaned, wrangled, and merged messy ten years of data from multiple sources in R
• Interfaced with APIs to access text data in Python
• Applied NLP techniques to clean and analyze text data in R and Python

Research Fellow, Multidisciplinary Program in Education Sciences
• Applied methods for statistical inference using network data [link]] • Used R to clean, wrangle, visualize, and analyze network data
• Estimated causal effect of education policy using fuzzy regression discontinuity design [link]
• Wrote clear reports of analysis in approachable language for technical and non-technical audiences
• Presented findings at major academic conferences

Working Experience

Northwestern University • Evanston, IL   2016-Present
Instructor
• Designed course on Social Policymaking and Implementation for 28 undergraduates
• Delivered content and provided feedback to support student learning

R Bootcamp Instructor
• 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
• Received outstanding reviews (average 4.6 out of 5) from students on evaluations

Child & Family Resources Advisory Board Member
• Reviewed institutional policies for supporting graduate student parents
• Created two initiatives to provide academic support for graduate student parents

New York City Department of Education • New York, NY   2006-2012
Elementary School Teacher, New York City Teaching Fellows
• Served as a New York City Teaching Fellow in high-need elementary schools
• Responded calmly and compassionately to frequent and unpredictable high-pressure situations