

Michael R. Corey

Social & Data Scientist

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Introduction

I am a data scientist and applied statistician trained in the social sciences. For the last seven years, I have worked on statistical modeling of attitudes and behaviors at the individual, group, and population levels. My specialty is analyzing how behaviors vary based on physical location, time of day, and day of the week. I am actively looking for a new challenge exploring how individuals connect with technology and each other. My academic and professional training is directly applicable to roles in data science, user research, and product analysis.

Education

2007–2013	PhD Candidate in Sociology, University of Chicago <ul style="list-style-type: none">– Dissertation: <i>The Sociology of Scheduling</i>– Associate Editor, <i>American Journal of Sociology</i> (2011-12)– MA Paper: “Unsocial Work Hours, Stratification, and the Shifting Landscape of Industry” (2009)
2006–2007	MSc in Sociology, University of Oxford (St. Hugh’s College) <ul style="list-style-type: none">– MSc Paper: “Effects of Paid Work Timing on the Division of Labor in British Households.”
2005–2006	Post-Graduate Diploma in Sociology, London School of Economics <ul style="list-style-type: none">– Degree awarded <i>with Merit</i>
1999–2003	BS in Planned Studies (Audio Technology), Ithaca College <ul style="list-style-type: none">– Degree awarded <i>Magna Cum Laude</i>

Skills & Technologies

Programming	R (TraMineR, ggplot2, hclust, glm), STATA, Python (NumPy, Scikit-Learn, Pandas)
Methods	Regression, Sequence Analysis, Machine Learning, Clustering, Network Analysis
Miscellaneous	OS X, Linux, Unix, LaTeX, OpenOffice, HTML, Show Control, Zotero

Data Analysis & Programming Experience

Doctoral Research in Sociology, University of Chicago

2007–2013	Analyzed 9 years of time diaries from the American Time Use Survey (ATUS) Performed sequence analysis on 2.4 million activities across 100,000 respondents Used clustering, inferential statistics, and multivariate regression to test hypotheses Awarded Poster Prize at 2011 meetings of the Population Association of America
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Adjunct Lecturer in Statistics, DePaul University

2009–2013 | Taught statistics for social science to undergraduates
 Focused on data analysis and management using SPSS
 Course included probability, descriptive statistics, visualization, and regression

Data Analyst, Center for Human Potential and Public Policy

2008-2011 | Lead analysis using longitudinal and cross sectional data
 Analyzed and mined cross-sectional and longitudinal data on parenting
 Collaborated in an interdisciplinary environment
 Wrote, edited, presented, and published papers

Research Assistant, National Social Life, Health, and Aging Project, NORC at the University of Chicago

2008-2011 | Analyzed non-response rates to different survey instruments
 Collaborated on design of attitudinal and behavior questions
 Provided statistical consulting to project members
 Designed data-cleaning scripts to speed pre-test analyses

Research Assistant, Center for Time Use Research, St. Hugh's College, Oxford

2007 | Analyzed time diary data to produce population level estimates
 Presented work on behalf of the center
 Contributed to the development of the Multinational Time Use Survey (MTUS)

Technical Sales, Autograph A2D, New York, NY & London, UK

2004-2006 | Was sole American employee providing support for new sound console launch
 Taught classes and provided instruction in scripting for proprietary software
 Programmed and synchronized consoles with other theatrical systems
 Performed board level repairs on equipment
 Interfaced with technicians from manufacturing company and home office
 Worked at the home shop in London, UK (2006)

Show Control Intern, Granite Precision Inc, Pine Mountain, CA

2002-2002 | Programmed using proprietary scripting language to synchronize live entertainment
 Helped develop and test next generation show control systems
 Produced website design for Granite Precision and affiliated companies
 Provided audio support for product and associated company activities

Selected Peer Reviewed Publications & Presentations

- 2012 | Kalil, Ariel, Rebecca M. Ryan, Michael R. Corey. "Diverging Destinies: Maternal Education and the Development Gradient in Time With Children." *Demography*, 49(4), pp. 1361-1383.
- 2012 | Corey, Michael R. "Working 9-5? Lucky You!: New Measures for Evening Work." Presentation, American Sociological Association Meetings
- 2011 | Corey, Michael R. "The Shift is Dying but Evening Work is Thriving: Primetime Work and the Work-Life Balance." Poster, Population Association of America Meetings