

Cory K Costello, PhD

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Technical skills

- **Programming Languages:**
 - Expertise in R (incl. tidyverse, ggplot2, lme4, lavaan, caret) and Markdown.
 - Proficiency in SQL, Git, Python, HTML, CSS.
- **Data Science:**
 - Expertise in reproducible pipelines for cleaning, visualizing, analyzing, and reporting analyses.
 - Proficiency in webscraping, accessing data from APIs, working with large complex datasets.
 - Experience creating open source statistical libraries (for R).
- **Statistical Modeling:**
 - Expertise in Linear and Logistic Regression (incl. penalized), longitudinal data analysis and time series, Mixed Effects Modeling, Structural Equation Modeling, Supervised and Unsupervised Machine Learning, Social Network Analysis, & Natural Language Processing.
- **Research Approaches:**
 - Expertise in experimental (A/B testing), quasi-experimental, survey-based, and data scientific methods. Causal inference in experimental and non-experimental designs.
- **Managing** several simultaneous projects and supervising small teams of researchers.

Experience

Postdoctoral Fellow in Emotion and Self-Control Lab

2020 - Present

University of Michigan, Ann Arbor, MI

- Examined how emotions manifest in online social networks and offline in daily life.
- Designed Research Materials, planned and executed analyses, mentored junior colleagues.

Graduate Employee

2014 - 2020

University of Oregon, Eugene, OR

- **Teaching Fellow** for several courses; graduate-level statistics; *R Bootcamp* for incoming PhD students.
 - Designed and led instructional labs in statistics and statistical programming.
 - Disseminated surveys examining students' experience & perceived gaps in statistics coursework.
 - Impacts: greater focus on programming, data science; annual R Bootcamp for incoming students.
- **Research Fellow** on NIH & NSF funded projects on mental health, personality, & reputation in Online Social Networks.
 - Designed research materials, recruited subjects, planned and executed complex analyses.
 - Resulted in several publications and professional presentations.

Graduate Research assistant

2012 - 2014

Wake Forest University, Winston-Salem, NC

- Cleaned and analyzed data, designed research materials, and communicated findings.

Education

Ph.D. Psychology, *University of Oregon*

2020

Dissertation: Human and Computerized Inferences from Digital Footprints on Twitter

M.A. Psychology, *Wake Forest University*

2014

Thesis: Does the Motive Matter? The Role of Intended Effects in Characterizing Actions and Inferring Personality Traits

B.A. Psychology, *New College of Florida (The Honors College of Florida)*

2012

Thesis: The Effects of Attachment Priming on Anxiety Sensitivity and Drinking Motives

see 5-page CV for more detail