

# Cory K Costello, PhD

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## Technical skills

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- **Programming Languages:**
  - Expertise in R (incl. tidyverse, ggplot2, lme4, lavaan, caret) and Markdown.
  - Proficiency in SQL, Git, and Python.
  - Experience with HTML and CSS.
- **Data Science:**
  - Expertise in reproducible pipelines for cleaning, visualizing, analyzing, and reporting analyses.
  - Proficiency in webscraping, accessing data from APIs, and 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

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### Postdoctoral Fellow

2020 - Present

*University of Michigan, Ann Arbor, MI*

- Contributed to the design, execution, analysis, and reporting of research on the psychology of emotions in online environments and offline in daily life.

### Graduate Employee

2014 - 2020

*University of Oregon, Eugene, OR*

- Teaching Fellow, various roles, including instructing graduate-level statistics and our *R Bootcamp* for incoming graduate students.
- Graduate Research Fellow on NIH & NSF funded projects investigating mental health, personality, and reputation in Online Social Networks.

### Graduate Research assistant

2012 - 2014

*Wake Forest University, Winston-Salem, NC*

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

## Education

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### Ph.D. Psychology

2020

*University of Oregon*

### M.A. Psychology

2014

*Wake Forest University*

### B.A. Psychology

2012

*New College of Florida (The Honors College of Florida)*

*see 5-page CV for more detail*