

# PAYTON J. JONES, M.A.

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## EDUCATION

### Clinical Psychology, MA, PhD

2016-Present | Cambridge, MA

Harvard University | Focus: Network science

- Published novel statistical innovations in statistical learning and network science
- Developed and published open-source software (R packages *networktools*, *networktree*, *Network-ComparisonTest*)
- Analyzed clinical, behavioral, and epidemiological data using R

### Psychology, BS

2011-2016 | Provo, UT

Brigham Young University | GPA 4.0, Summa Cum Laude

### Relevant Graduate Teaching Experience

- Psychometric Methods in R

### Relevant Graduate Coursework

- Machine Learning in R
- Bayesian Data Analysis in R

## SKILLS

### Software

- Proficient: R (caret, dplyr, lme4, ggplot2), Git
- Familiar with: SQL, Javascript, Python

### Data Types

- Proficient: Clinical/preclinical, epidemiological, time-series, survey, EMA
- Familiar with: Text mining, NLP, passive monitoring

## EXPERIENCE & PROJECTS

### Network Science

Developed novel statistical methods and accompanying software for tree (learning) models, network models, & multidimensional scaling; published in *Multivariate Behavioral Research* and *Frontiers in Psychology*

### Predicting Clinical Outcomes in Eating Disorders

Analyzed clinical data using network science methods to enhance predictions of outcomes in anorexia nervosa, published in *International Journal of Eating Disorders* and *Psychological Medicine*

### If Violence is Decreasing, Why Isn't PTSD? (Dissertation)

Analysis of PTSD data (>500,000 data points) & related experiments employing psychometrics, Bayesian analyses, and LASSO.