

Kevin Casey Patyk

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Education

B.A. Psychology

Texas State University
San Marcos, Texas
Texas State GPA: 4.0
Cumulative GPA: 3.97
summa cum laude

General Education Courses

Harper Community College
Palatine, Illinois
GPA: 3.94

Publications

Oberle, C.D., Klare, D. L., & Patyk, K.C. (2019). Health beliefs, behaviors, and symptoms associated with orthorexia nervosa. *Eating and Weight Disorders*.

Manuscripts Under Review

De Nadai, A. S., Quast, T., Little, T.B., Westerberg, K., Patyk, K., Monahan, M.F., Storch, E.A., & Gregory, S. T. (2019). Cost-effectiveness of interventions for pediatric anxiety and obsessive-compulsive disorder.

Manuscripts In Preparation

De Nadai, A. S., Quast, T., Little, T.B., Patyk, K., Westerberg, K., Monahan, M.F., Storch, E.A., & Gregory, S. T. (2019). Cost-effectiveness of interventions for pediatric depression.

Storch, E., Patyk, K., De Nadai, A. S., Wilhelm, S., Small, B. J., McGuire, J. F., Murphy, T. K., & Geller, D. A. (2019). Early treatment response and remissions as predictors of final treatment status in pediatric OCD treatment.

Grants, Honors, and Scholarships

2019 - Recipient of full scholarship to National Institutes of Health (NIH) R25-funded Summer Institute for Research Education in Biostatistics at Boston University

- Program modules in biostatistics, epidemiology, clinical trials, statistical genetics, as well as SAS and R programming
- Completed and presented faculty supervised analysis project using data from the National Health and Nutrition Examination Survey

2015-2018 - Liberal Arts Award for Academic Excellence

- Under 5% of Liberal Arts Majors Honored

Research and Professional Experience

Data Scientist (Supervisor: Alessandro De Nadai, PhD)

Data Science Initiative, *Texas State University*

2019-Present

Job Description: Employed data scientist for campus-wide effort supported by the University president which synergizes grant-funded data science projects across campus departments (e.g., computer science, mathematics, statistics, biomedicine, social science).

Responsibilities:

- Using R/RStudio, Mplus, and SPSS to analyze data and run statistical tests
- Database management and data cleaning prior to running analyses
- Grant writing and manuscript preparation
- Training other team members on data collection and analysis methods and protocols

Lab Research Assistant and Statistical Analyst (Supervisor: Alessandro De Nadai, PhD)

Department of Psychology, *Texas State University*

2018-2019

Research Topics: Mental health research to improve diagnosis and dissemination for anxiety, obsessive-compulsive disorder (OCD), and depression.

Responsibilities:

- Data acquisition, management, and analysis
- Article review and meta-analytic coding
- Grant writing and manuscript preparation

Research Assistant (Supervisor: Yueqin Hu, PhD)

Department of Psychology, *Texas State University*

2019-Present

Research Topic: To develop new autoregressive models and compare their performance to ordinary differential equation (ODE) models via simulation studies.

Responsibilities:

- Generating data using simulation methods
- Using R/RStudio to build and implement statistical models
- Manuscript preparation, review, and submission

Research Assistant (Supervisor: Crystal Oberle, PhD)

Department of Psychology, *Texas State University*

2017-2018

Research Topic: To examine the kinds of activities individuals with orthorexia engage in for the purposes of improving or maintaining optimal physical and mental health.

Responsibilities:

- Developing and administering surveys
- Coding, entering, and quality checking data
- Assembling online data collection
- Recruiting, contacting, and scheduling participants

Research Assistant (Supervisor: Kelly Haskard-Zolnierrek, PhD)

Department of Psychology, *Texas State University*

2016-2017

Research Topics: To examine the effects of different communication styles on patient adherence to medical regimens, and to develop the components of a health behavior self-management dashboard.

Responsibilities:

- Study design and statistical analysis
- Coordinating online data collection
- Recruiting, contacting, and scheduling participants

Technical Skills

- R/RStudio
- SAS
- Mplus
- Statistical Package for the Social Sciences (SPSS)
- NVivo 9

Professional Affiliations

- Texas State University Honors College
- Psi Chi Psychology Honor Society
- Phi Theta Kappa Community College Honor Society

Independent Coursework

- Advanced Statistical Methodology (*Graduate-level coursework at Texas State University*)
- Beginner R Programming (*Online course*)
- Advanced R Programming (*Online course*)