

Julianna Alvord

BA candidate, Statistical and Data Sciences, Smith College
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EDUCATION

Smith College, BA candidate Statistical and Data Sciences

expected May 2019

Minor: Psychology

Cumulative GPA: 3.77

Relevant Course List: Statistical Methods; Intro to Computer Science; Intro to Data Science; Multiple Regression; Capstone in SDS; Data Journalism; Population Health Data & Analysis; Linear Algebra; Machine Learning; Sport Psychology; Clinical Neuroscience; Counseling Theory; Research Seminar on Intergroup Relationships

Publication: LaBossier, N., **Alvord, J.**, Stokes, R., Sweeney, C., and Capistrant, B.D. HIV Risk Behavior Prevalence among Transgender and Gender Non-Conforming Adults: Evidence from Behavioral Risk Factor Surveillance Survey 2016-2017 (In Review).

EXPERIENCE

Social Psychology Data Science Special Studies, Smith College:

Data Scientist/Researcher

September 2018-Present

- Implemented web scraping of Twitter using R to conduct sentiment analysis of tweets referencing the top 100 National Football League players.
- Summarized summer research through a technical report and data ethics blog post.

Smith College, Northampton, MA:

Grader

Fall 2018

- Evaluated homework assignments from Introduction to Data Science course of 67 students.
- Discussed student performance with professor throughout semester.

Data Analysis Training Institute of Connecticut, University of Connecticut:

Teaching Assistant

Summer 2018

- Aided instructors by answering questions regarding statistical topics and R during weeklong course titled Dyadic Data Analysis Using Multilevel Modeling in R.
- Held daily individual meetings with participants regarding their individual projects.

Summer Undergraduate Research Fellowship, Smith College:

Undergraduate Fellow

Summer 2018

- Built web application using Shiny package in R to improve access to datasets from FLASHE (Family Life, Activity, Sun, Health, and Eating) Study from the National Institute of Health.
- Performed longitudinal analyses of dyadic data from FLASHE study and visualized results using ggplot2 package in R.

HuffPost:

Research Assistant through SDS Capstone Course

Spring 2018

- Conducted psychological research on social impact of news articles.
- Developed web application using the Shiny package in RStudio to present results.
- Implemented machine learning algorithms using R and Python.

- Presented poster at Smith College Collaborations and HuffPost New York Office titled “Measuring Social Impact of HuffPost News Articles.”

Quantitative Learning Center, Smith College:

Statistics Tutor and Data Assistant

Spring 2018

- Tutored individuals and groups for multiple statistics classes.
- Assisted faculty with various data projects upon request.

Office of Institutional Research, Smith College:

Research Assistant

Summer 2017-Present

- Analyzed and visualized data using RStudio and Tableau for administration and faculty.
- Delivered results to appropriate staff members.
- Prepared written reports regarding pertinent research findings.
- Presented project titled “Oh, the Humanities” at Tableau Massachusetts User Group September 2018 meeting.

Smith College Summer Science and Engineering Program, Northampton, MA

Undergraduate Fellow

Summer 2016

- Served as teaching assistant for 20 students in the molecular biology department.
- Supported student achievement through resident position and office hours.

LEADERSHIP

Smith College Swimming and Diving Team, Northampton, MA:

Four-year Member & Captain for 2018-19 Season

- Led 26-member team throughout entire school year including daily practices.
- Communicated with athletic staff and coaches to enhance team cohesiveness.

Sports Committee for Inclusion and Diversity, Smith College

Representative for Swimming and Diving Team

- Facilitated discussions surrounding inclusion and diversity within athletic department.
- Participated in weekly meetings with members of other Smith College athletic teams.

AWARDS

- Deans List 2016-17, 2017-18
- New England Women’s and Men’s Athletic Conference Academic All-Conference Team 2016-17, 2017-18

ADDITIONAL SKILLS

Programming Languages: R; Python; SQL; Java; HTML; CSS

Other Computer Skills: Tableau; Microsoft Office; Social Media