

# JOSUE E. RODRIGUEZ

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## EDUCATION

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### **Humboldt State University**

M.A. Experimental Psychology

*Minor in Applied Statistics*

Thesis advisor: Dr. Kauyumari Sanchez

*Exp. May 2019*

Current GPA: 3.95

### **Humboldt State University**

B.A. Psychology

Honors thesis advisor: Dr. Kauyumari Sanchez

*May 2017*

GPA: 3.35

### **Diablo Valley College**

*Aug. 2012 - May 2015*

## RESEARCH EXPERIENCE

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### **Lab Manager**

*Cognition Lab*

Humboldt State University

*2017 - Present*

- Facilitate set-up and the running of experimental studies
- Aid lab members in analyzing and interpreting study results
- Participate in presenting scientific research to undergraduates and other lab members
- Involved as a research assistant since 2016
- Coordinate with other labs in order to set up schedules for running research participants
- Present research at relevant conferences

### **Research Assistant**

*Social Identity Lab*

Humboldt State University

*2017 - Present*

- Facilitate participants through various experiments relating to Social Identity Theory
- Design surveys using Qualtrics
- Present research at relevant conferences

### **Research Assistant**

*Behavioral Neuroscience Lab*

Humboldt State University

*2017*

- Collected survey data from participants
- Drew capillary blood samples from participants
- Guided a graduate student in analysis of her thesis data
- Present research at relevant conferences

## PROFESSIONAL CERTIFICATIONS

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### **Data Analyst with Python**

*DataCamp*

*2018*

- 13 courses (47 hours) covering:
  - Importing, cleaning, and manipulating data
  - Interacting with relational databases

- Data visualization
- Exploratory data analysis & statistical inference
- Programming concepts & web scraping
- Probabilistic thinking

## Data Scientist with R

2017 - 2018

*DataCamp*

- 23 courses (94 hours) covering:
  - Importing, cleaning, and manipulating data
  - Interacting with relational databases
  - Data visualization
  - Exploratory data analysis and statistical inference
  - Machine learning (supervised and unsupervised)
  - Creating documents for scientific reporting

## HONORS AND AWARDS

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- Outstanding Student of the Year Nominee 2017
- Presidential Scholar 2017
- Woolford Fellow of the Eureka Rotary Club 2017
- Psi Chi Honors Society Initiate 2016
- Clubs and Activities Grant, Psi Chi 2016
- Clubs and Activities Grant, Psychology Club 2016

## CONFERENCE PRESENTATIONS

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- Chu, B., **Rodriguez, J. E.**, Sherburne, B., and Gaffney, A. M. (2018). Hella dope, confident understanding mediates the relationship between slang and multiple belonging needs. In *proceedings of the 16th meeting of the International Conference on Language and Social Psychology*, Edmonton, Alberta.
- Hang, S., **Rodriguez, J. E.**, Garcia, R., and Kilgore, H. (2018). Assessment of peripheral BDNF variability over 30 days in healthy adults. In *proceedings of the 48th annual meeting of the Society for Neuroscience*, San Diego, CA.
- Kuljian, O., Sherburne, B., Camarena, J., **Rodriguez, J. E.**, Hackett, J. D., and Gaffney, A. M. (2018). Effects of nationalist leadership on identification with humanity. In *proceedings of the 19th annual meeting of the Society for Personality and Social Psychology*, Atlanta, GA.
- Ortiz, N., **Rodriguez, J. E.**, Sherburne, B., Joma, V., and Aberson, C. (2018). Blaming it on affirmative action: perceptions of denied opportunity. In *proceedings of the 98th annual meeting of the Western Psychological Association*, Portland, OR.
- Rodriguez, J. E.**, Sanchez, K., Camarena, J., Clark, C., and Swancoat, B. (2017). Mazes and memory: lifestyle and experience in spatial ability. In *proceedings of the 97th annual meeting of the Western Psychological Association*, Sacramento, CA.
- Siefert, E., Scott, B., **Rodriguez, J. E.**, Chu, B., Kijisriopas, B., and Gaffney, A. M. (2018). Confidence of understanding mediates the relationship between ingroup slang and a sense of peer similarity. In *proceedings of the 98th annual meeting of the Western Psychological Association*, Portland, OR.

## TEACHING EXPERIENCE

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Teaching Assistant

*Social Psychology Discussion*

Humboldt State University

2018

- Assisted students in understanding research and methodology in social psychology
- Led a lecture on how to calculate Cronbach's alpha, Pearson's correlation, simple regression, and t-tests using the R statistical computing environment
- Assisted in grading final presentations

### Graduate Teaching Assistant

Humboldt State University

*Introduction to Psychology Statistics*

2017 - Present

- Assisted students in learning and understanding statistical concepts in the behavioral sciences
- Taught students how to apply statistical concepts and methods using the R statistical computing environment
- Developed and led study groups for students prior to exams

## SOFTWARE

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### Open source contributor

2018

*broom*

- Contributed to the popular R package *broom* by fixing a bug which occurred when dealing with ARIMA models

### Collaborator

2018

*R Shiny Web App*

- Engineered a web app which calculates statistical power for simple and multiple regression based on an extant R script.

## WORK EXPERIENCE

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### Intern

Humboldt State University

*Office of Institutional Effectiveness*

2018 - Present

- Compiled literature reviews on underrepresented minorities in higher education
- Created visualizations and dashboards to display key institutional metrics to inform decision making and disseminate institutional information
- Professional development in understanding, visualizing, and communicating data

## UNIVERSITY SERVICE

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- Student Representative, CSU Student Success Network 2017-2018
- Western Psychological Association Representative, Humboldt State University 2017 -Present
- Member, Scholars of Academic Research, Humboldt State University 2016 - present
- Volunteer, Youth Educational Services, Humboldt State University 2016-2017
- Treasurer, Psi Chi, Humboldt State University 2016-2017
- Treasurer, Psychology Club, Humboldt State University 2016-2017

## TECHNICAL SKILLS

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### Computer Languages

R, Python, SQL (mySQL, SQLite), HTML

### Software & Tools

Office365, Tableau, Git, E-Prime, SPSS, Qualtrics, L<sup>A</sup>T<sub>E</sub>X

## RELEVANT COURSES

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Research Methods: Philosophy & Design  
Research Methods: Evaluation  
Cognitive Psychology  
Analysis of Variance  
Regression & Multivariate Topics  
Introduction to Research Methods

Modern Statistical Modeling  
R Supplement  
Probability & Statistics (ongoing)  
Multivariate Statistics (ongoing)  
Elementary Probability & Statistics

## **PROFESSIONAL MEMBERSHIPS**

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American Statistical Association