

ARNOLD SEONG

former poet, current Statistics PhD student

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in arnieseong

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SELECT EXPERIENCE

Graduate Student Researcher

University of California Irvine

Sept 2019 – Ongoing

Irvine, CA

- Develop methods for local inference in functional regression via Bayesian model selection, with application to ECoG (brain imaging) data and identification of neural correlates.
- Research on clustering functional responses using Bayesian non-parametric methods.
- Write custom MCMC and stochastic search algorithms.
- Maintain code base, reports, and academic articles on Github.
- Data Science Initiative instructor for workshops on R and ggplot2.
- Peer reviewer for *Econometrics & Statistics*

Statistical Consultant

EXACTA Media

Oct 2019 – Jan 2020

Irvine, CA

- Assessed omni-channel marketing strategy for national medical franchise and estimated effect of strategy shift.
- Identified redundant or ineffective marketing efforts, potentially worth >\$60k/month (15% of monthly ad buys) in savings.
- Wrote report of results and recommendations for company executives; model predictions validated in following months.

Teaching Assistant

University of California, Irvine

Sept 2017 – June 2029

Irvine, CA

- TA for STAT 7: Intro Stats, and STAT 67: Stats for CS majors.

Lecturer (English Department)

University of California, Irvine

Jan 2012 – June 2017

Irvine, CA

- Taught various freshman writing seminars & workshops.
- Developed new writing seminar for Gen 1.5 students.

Writer-in-Residence

Oregon Literary Arts

Sept 2010 – June 2011

Portland, OR

- Held poetry workshops in 85% reduced lunch middle school.

PROJECTS

[datagoboop: an R package for data sonification](#)

Led small team in development of modular audio plotting functions

EDUCATION

M.S. in Statistics

University of California, Irvine

9/2017 – 6/2019

Irvine, CA

M.F.A. in Creative Writing: Poetry

University of Washington

9/2005 – 6/2007

Seattle, WA

Thesis: *The Anatomy of Speech*

B.A. in English

Cornell University

9/2000 – 6/2004

Ithaca, NY

Tanner Dean's Scholar

AWARDS



Instructor Recognition Award

UCI English Dept. teaching award



Shortlist, Montreal Poetry Prize

International poetry competition



Best New Poets 2009

Annual anthology of emerging poets

SKILLS

R

ggplot2

tidyverse

R markdown

Github

python

leaflet

plotly

LaTeX

EDA

data vis

reproducible research

functional regression

Bayesian stats

Bayesian model / variable selection

spatial stats

predictive modeling

COURSES

Bayesian Data Analysis

Spatial Statistics

Longitudinal Data Analysis

Survey Sampling

Multivariate Data Methods

Machine Learning

Advanced R