ARNOLD SEONG

former poet, current Statistics PhD student

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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

Ph.D. in Statistics
University of California, Irvine

📅 9/2019 – ongoing ⚲ Irvine, CA

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

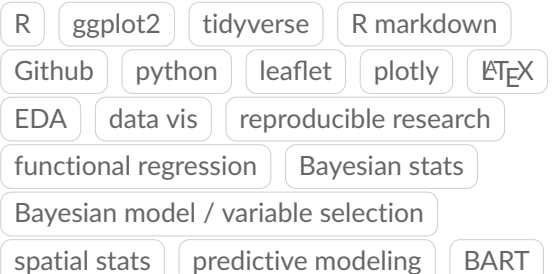🏅 **Shortlist, Montreal Poetry Prize** ⧉
International poetry competition

📖 **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 BART

COURSES

Bayesian Data Analysis Spatial Statistics
Longitudinal Data Analysis
Survey Sampling Multivariate Data Methods
Machine Learning Advanced R