

Nick Ulle

PHD CANDIDATE, STATISTICS

4141 Cowell Blvd, Apt 36 · Davis, CA 95618

☎ 760.470.9278 | ✉ nick.ulle@gmail.com | 📷 [nick-ulle](https://www.instagram.com/nick-ulle)

Education & Skills

University of California, Davis

2012 – 2018 (expected)

PH.D. IN STATISTICS

Davis, CA

- Tentative Dissertation Title: “Source Code Analysis for the R Language”
- Advisor: Duncan Temple Lang
- Committee: Ethan Anderes · Cho-Jui Hsieh · Norman Matloff · Zhendong Su · Duncan Temple Lang

University of California, San Diego

2008 – 2011

B.S. IN MATHEMATICS — PROBABILITY AND STATISTICS

La Jolla, CA

Languages R · Python · Matlab · SAS · Lua · C/C++ · Rust · Haskell

Certifications SOA Exam P · SOA Exam FM

Teaching

Fundamentals of Statistical Data Science

Fall 2017

LEAD TEACHING ASSISTANT

Davis, CA

- Led all discussion sections, designed all assignments, and assisted instructor in planning curriculum.

Technologies for Data Analysis

Winter 2017

LEAD TEACHING ASSISTANT

Davis, CA

- Led all discussion sections and designed all assignments.

Introduction to Data Exploration with R

Spring 2016

ASSOCIATE INSTRUCTOR

Davis, CA

- Part of the UC Davis Data Studies program.
- Planned curriculum, designed all assignments, and led all lectures.

Elementary Statistics

Summer 2014

ASSOCIATE INSTRUCTOR

Davis, CA

Other Classes Multivariate Data Analysis · Practice in Statistical Data Science · Probabilistic Modeling · Probability Theory

Scholarship

WORKING PAPERS

Type Inference for R

N. ULLE AND D. TEMPLE LANG

Analysis and Transformation of R Code

M. ESPE, C. FITZGERALD, D. TEMPLE LANG, AND N. ULLE

RESEARCH EXPERIENCE

Data Science Initiative, UC Davis

Summer 2016

GRADUATE STUDENT RESEARCHER

Davis, CA

- Collaborators: Jacob Hibel · Mairaj Syed · Duncan Temple Lang
- Developed tools to extract structured data from Portable Document Format (PDF) files.
- Extracted budget data for over 400 California K-12 schools from PDFs of their Local Control and Accountability Plans.
- Designed a database of narratives from the Islamic oral tradition and developed a web scraper to populate it.

Data Science Initiative, UC Davis

GRADUATE STUDENT RESEARCHER

- Collaborators: Allan Hollander · Courtney Riggle · Duncan Temple Lang
- Developed a Shiny app for the UC Davis Agricultural Sustainability Institute.

Summer 2015

Davis, CA

Department of Statistics, UC Davis

GRADUATE STUDENT RESEARCHER

- Principal Investigator: Duncan Temple Lang
- Created benchmarks for use in Oracle Labs' FastR project.

Summer 2013

Davis, CA

AFFILIATIONS

Data Science Initiative, UC Davis

AFFILIATE

- Regularly assisted with public workshops designed to teach data science skills to students and faculty.
- Contributed to the development and maintenance of the initiative's website.
- Participated in reading groups, discussion groups, and hackathons.

2015 – Present

Statistics Research Training Group, UC Davis

GRADUATE STUDENT MENTOR

- Mentored undergraduates working on cross-disciplinary research projects.
- Recruited promising students for the undergraduate training program.

2012 – Present

SERVICE

2016 **Volunteer**, UseR! 2016 Conference

Stanford, CA

2016 **Judge**, Data Science Competition, iidata Convention, UC Davis

Davis, CA

2014 **Volunteer**, UseR! 2014 Conference

Los Angeles, CA

2010 **Officer**, Actuarial Society, UC San Diego

La Jolla, CA

Talks & Workshops

2017 **An LLVM-based Compiler Toolkit for R**, UseR! 2017 Conference

Brussels, Belgium

2017 **Introduction to R Markdown**, Research Training Group, UC Davis

Davis, CA

2017 **Python for Data Analysis, Part II**, Data Science Initiative, UC Davis

Davis, CA

2017 **Web-scraping: R versus Python**, Statistics Club, UC Davis

Davis, CA

2015 **Python for Data Mining**, Research Training Group, UC Davis

Davis, CA

Honors & Awards

2017 **Summer Research Fellowship**, Department of Statistics, UC Davis

2017 **Excellence in Graduate Student Teaching Award**, Department of Statistics, UC Davis

2016 **Summer Research Fellowship**, Department of Statistics, UC Davis

2016 **Outstanding Graduate Student Teaching Award**, UC Davis

2015 **Summer Research Fellowship**, Department of Statistics, UC Davis

2012 **Research Training Grant**, Department of Statistics, UC Davis