ROUPEN KHANJIAN

🎓 EDUCATION

2021 — 2018

University of California, Santa Barbara (UCSB)
Master of Arts in Statistics   📍 Santa Barbara, CA

- Statistical Data Science 🐍
- Big Data Analytics ⭐ 🐍
- Design of Experiments ®
- Spatial Statistics ®
- Statistical Machine Learning ®
- Time Series Analysis ®
- Advanced Statistical Methods ®
- Advanced Data Analysis ® 🎧

2018 — 2017

Portland State University
Post-Baccalaureate   📍 Portland, OR

- Linear Algebra
- Ordinary Differential Equations
- Group Theory
- Mathematical Statistics

2012 — 2009

University of California, Berkeley
Bachelor of Arts in Psychology   📍 Berkeley, CA
Bachelor of Arts in Molecular and Cell Biology

- Data Analysis in Psychology
- Cognitive Neuroscience

🖥 TEACHING EXPERIENCE

Spring 2021 Winter 2021 Winter 2020

Regression Analysis
Teaching Assistant (TA) for PSTAT 126 ®   📍 UCSB
- Created weekly tutorials on using R to conduct linear regression.
- Aided students troubleshoot and debug R code for homeworks.

Fall 2020 Summer 2020 Fall 2019 Fall 2018

Statistics for Economics
TA for PSTAT 109 🗎   📍 UCSB
- Designed & administered quizzes based off statistical concepts.
- Facilitated weekly Microsoft Excel problem sets.

Spring 2020 Summer 2019 Spring 2019 Winter 2019

Principles of Data Science with R
TA for PSTAT 10 ® 🛢   📍 UCSB
- Assisted students in learning statistical programming using R.
- Helped students understand relational database management systems and data manipulation using SQL.

📈 PROJECTS

Winter 2021

What's in a Word? A Shiny App for Text Analysis
Final project for ESM 244 (Advanced Data Analysis) 🅿 ®   📍 UCSB
Khanjian R.A., Handy, M., Shen R.

CONTACT INFO

✉ roupen@pstat.ucsb.edu

🌐 personal website

in linkedin.com/in/khanjian

🎧 github.com/khanjian

📞 (818) 621-5403

SKILLS

® R | 🐍 Python

🛢 SQL | 🗎 Microsoft Excel

⭐ Apache Spark | 🎧 Github

🅿 Presentations | ⚗ Labwork

Բարեւ աշխարհ
Fluent in Armenian

Spring 2020

Stop and Frisk in New York City from 2017 - 2019
Final project for PSTAT 234 (Statistical Data Science) 📄🐍 📍 UCSB
Khanjian R.A..

Fall 2019

Dimension Reduction with Karhunen-Lóeve Decomposition, Empirical Orthogonal Function and Maximum Covariance Pattern
Final project for PSTAT 262ST (Spatial Statistics) 📄Ⓡ 📍 UCSB
Khanjian R.A., Zhang C.

💼 PROFESSIONAL EXPERIENCE

2017 | 2016

Video Analyst
Portland Trail Blazers 📍 Portland, Oregon
- Tracked statistical data from NBA game tape to help create scouting reports for the Portland Trail Blazers.

2016 | 2015

Research Assistant II
Oregon Health & Science University (OHSU) 📍 Portland, Oregon
- Developed a new protocol to pinpoint which cells in the retina contain Calcium-Permeable AMPA receptors. 🧪
- Measured fluorescence intensity of the Kv2.2 antibody on photoreceptors with ImageJ; organized data via IgorPro and Excel. 📊

Principal Investigator:
Dr. Teresa Puthussery

2014 | 2013

Research Assistant II
OHSU 📍 Portland, Oregon
- Investigated the contributions of opioid-sensitive neurons in the brainstem using in-vivo single cell electrophysiology. 🧪

Principal Investigator:
Dr. Mary Heinricher

📄 SELECTED PUBLICATIONS AND POSTERS

2018

Heteromeric Kv2/Kv8.2 channels mediate delayed rectifier potassium currents in primate photoreceptors.
JNeurosci; 38: 3414–3427.
Gayet-Primo J., Yaeger D.B., Khanjian R.A., Puthussery T.

2016

Identification of neuronal populations that express calcium permeable AMPA receptors in mouse and macaque retina.
Poster for the Association for Research in Vision & Ophthalmology (ARVO) conference. 📄
📍 Seattle, WA

Khanjian R.A., Puthussery T.

2015

Cellular mechanisms of activity-dependent BDNF expression in primary sensory neurons.
Neuroscience; 310: 665–673.
Vermehren-Schmaedick A., Khanjian R.A., Balkowiec A.

This resume was made with the Ⓡ package pagedown.

Last updated on 2021-03-18.