ROUPEN KHANJIAN

💼 PROFESSIONAL EXPERIENCE

Present | 2021

Data Analyst
UpTogether   📍 Oakland, California

- Conducting statistical analysis and transforming data into visualizations to aid reporting. R 📊
- Building internal dashboards that pull data from multiple sources that showcases analytical insights. R 📊
- Collaborate with other verticals on best practices regarding analytics. 📊 Github
- Share domain knowledge to help UpTogether create meaningful KPIs.

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 | 2013

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.
- Investigated the contributions of opioid-sensitive neurons in the brainstem using in-vivo single cell electrophysiology. 🧪

🎓 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

2012 | 2009

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

🖥 TEACHING EXPERIENCE

2021 | 2018

Regression Analysis
Teaching Assistant (TA) for PSTAT 126 R   📍 UCSB

- Created weekly tutorials on using R to conduct linear regression.
- Aided students troubleshoot and debug R code for homeworks.

CONTACT INFO

- ✉️ rkhanjian@gmail.com
- 🌐 personal website
- in linkedin.com/in/khanjian
- github.com/khanjian

SKILLS

R | 🐍 Python

🗄 SQL | Microsoft Excel

⭐ Apache Spark | Github

📊 BI tools | CSS

Presentations | 🧪 Labwork

Բարեւ աշխարհ
Fluent in Armenian

2021 | 2018 Statistics for Economics
TA for PSTAT 109 📊   📍 UCSB
• Designed & administered quizzes based off statistical concepts.
• Facilitated weekly Microsoft Excel problem sets.

2021 | 2018 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

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.

2020 Stop and Frisk in New York City from 2017 - 2019
Final project for PSTAT 234 (Statistical Data Science) 📊 🐍 📍 UCSB
Khanjian R.A..

📄 SELECTED PUBLICATIONS AND POSTERS

2023 Aortic sinus morphology is predictive of left ventricular mass and
other clinical features in subjects with bicuspud aortic valve
Manuscript in preparation Ⓡ
Dally M, Xiao-Yue H, Khanjian R.A., Silberbach G.M.

2022 Calcium-permeable AMPA receptors on AII amacrine cells mediate
sustained signaling in the On-pathway of the primate retina.
Cell Reports *41*, 111484 🧪
Percival P.A, Gayet J., Khanjian R., Taylor W.R., Puthussery T.

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.

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