




























ROUPEN KHANJIAN



PROFESSIONAL EXPERIENCE

- Present
|
2021
- **Data Analyst**
UpTogether  Oakland, California
 - Wrangling data using the tidyverse collection of packages and conducting statistical analysis in order to create reproducible and automated reports in R Markdown or Quarto.   
 - Building internal Shiny dashboards that pulls from our database and summarizes complex data into meaningful visualizations.   
 - Writing narrative reports, such as [this report](#), that combine analysis from surveys with relevant research to tell a story on the impacts of cash on our members.   
- 2017
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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
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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
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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
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2009
- **University of California, Berkeley**
Bachelor of Arts in Psychology  Berkeley, CA
Bachelor of Arts in Molecular and Cell Biology

TEACHING EXPERIENCE

- 2021
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2018
- **Regression Analysis**
Teaching Assistant (TA) for PSTAT 126   UCSB
 - Created weekly tutorials on using R to conduct linear regression.
 - Advised students with troubleshooting and debugging R code.




CONTACT INFO

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 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.
 - **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 bicuspid 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.

This resume was made with the  package **pagedown**.

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