Stephanie Kobakian

0433 699 797 • srkobakian@outlook.com • srkobakian

Education

Queensland University of Technology **Brisbane, Australia**
Master of Philosophy (Statistics) *2018 - 2020*
- A New Algorithm For Effectively Visualising Australian Spatio-Temporal Disease Data

Monash University **Clayton, Australia**
Bachelor of Commerce and Bachelor of Economics *2014 - 2017*
- Majors in Econometrics and Business Modelling

Work Experience

WhyHive **Clayton, Australia**
Data scientist *Jan. 2019 - Present*
- Contribute to a variety of consulting projects with substantial spatio-temporal modelling tasks.

Monash University **Clayton, Australia**
Research assistant
- Editorial Assistant for the R Journal, R Consortium, Jan. 2019 - Present
- Research Assistant to Prof. Dianne Cook, Jan. 2016 - Present

Tennis Australia: Game Insight Group **Melbourne, Australia**
Intern *2017*
- Work Integrated Learning Intern to Dr. Stephanie Kovalchik, Senior Sport Scientist.

Teaching Associate

Monash University **Clayton, Australia**
Teaching associate
- ETC5510: Introduction to data analysis, S1 2020
- ETC5513: Collaborative and reproducible practices, S1 2020
- ETC5512: Wild-caught data, S1 2020
- ETC1010 Introduction to data analysis (Data modelling and computing), 2018 - 2020
- ETX2250: Data Visualisation and Analytics Summer 2017

Workshop assistant

Big Data Day (Prof Dianne Cook) **Monash University**
High school student workshop using R and shiny *2018-Present*

Disease risk modeling and visualization using R (Dr Paula Moraga) **UseR!**
One day workshop *2018*

Sports Analytics with R (Dr Stephanie Kovalchik) **WOMBAT 2017**
3 hour workshop *2017*

Visualisation for Data Mining (Prof Dianne Cook, Eun-Kyung Lee) **WOMBAT 2017**
3 hour workshop *2017*

Authored Software

2019 - : **sugarbag**: Author
Kobakian, Stephanie. 2018. sugarbag: Create Tessellated Hexagon Maps of Australia.
https://CRAN.R-project.org/package=sugarbag.

2018 - : **taipan**: Author
Kobakian, Stephanie and O'Hara-Wild, Mitchell. 2017. taipan: Tool for Annotating Images in Preparation for Analysis.
https://CRAN.R-project.org/package=taipan.

Presentations

2019: **An Australian alternative to choropleth maps; visualising geo-spatial disease data**: Alternative map displays for presenting spatial distributions in Australia.

2019: **An Australian alternative to choropleth maps; visualising geo-spatial disease data**: Alternative map displays for presenting spatial distributions in Australia.

2019: **Maps, hexagons and life in Australia**: An algorithm to create tesselated hexagon tile maps for Australia.

2019: **Taipan: Woman Faces Machine**: Storing information from images.

2018: **Tidy data structures and image analysis**: A real example of tidy data creation, highlighting the differences between variables and observations..

2017: **Facial Recognition: Emotions in tennis**: A winter research project summary presented to Tennis Australia staff..

2017: **Sports Analytics: Emotions in tennis**: .

Awards

UseR!2018 Datathon Competiton **Atlas of Living Australia**
Championship Team *2018*

- Created a Shiny app intending to aid primary children in the exploration of animals living in Australia. It displayed sightings of bee species across Australia in a colourful and interactive setting.

Analytics Competiton **SAP University Alliances**
Championship Team *2016*

- Competed against over 20 teams of analytics students from universities in Melbourne. Provided an infographic describing the state of homelessness in Australia, detailing the amount of homeless persons in varying age groups. Recommended solutions based on reasons driving homelessness situations.

Monash Winter Research Program **Department of Econometrics and Business Statistics**
Scholarship Awardee *2016*

- In association with Dr Stephanie Kovalchik and Prof. Dianne Cook, test how well currently available facial recognition software performs at identifying faces of the two players in a tennis match. This project involved coding tennis matches for faces, applying the facial recognition software, and performing statistical analyses to determine the software's performance accuracy.