MINH CHAU

My career goal is to apply my knowledge in producing reliable and insightful projects through the use of statistics and inform critical decision making. I currently seek a suitable job to enhance my statistical and programming skills, and contribute to New Zealand society.

EDUCATION

03/2019 | 06/2020

Master of Applied Statistics
Victoria University of Wellington — Wellington, NZ

03/2015 | 06/2019

Bachelor of Science in Statistics
Otago University — Dunedin, NZ

WORK EXPERIENCE

08/2020 | 09/2020

Research Assistant
Massey University Wellington — Wellington, NZ

- Create informative graphs and interpret results
- Extract, process and analyse survey data using appropriate statistical methods
- Communicate with client clearly to fulfil requirements

04/2020 | current

Sessional Assistant
Victoria University of Wellington — Wellington, NZ

- Mark 100-level statistics assignments
- Attend to training and meetings
- Enter assignment grades correctly and in accordance with the marking system's guidelines

03/2020 | 06/2020

Intern/Data Analyst
Harmonic Analytics — Wellington, NZ

- Wrangle and analyse time series data
- Investigate different predictive modelling methods
- Produce a dashboard with interactive plots to present the results
- Co-operate with supervisors to deliver according to the client's requirements

08/2018 | 12/2019

Sandwich Artist
Subway — Wellington, NZ

- Work in a busy team under pressure
- Prepare orders neatly, according to formula, and in a timely manner
- Adhere to proper food handling, safety and sanitation standards

CONTACT

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Github profile
Personal website
Linkedin

PACKAGES

Statistical Programming:
- ❑ Exprience with R
- ❑ Exposure to SAS, SPSS, SQL

Web development: HTML, CSS
Machine learning: Python (Entry level)
Reporting: R Markdown, Shiny, Latex
Workflow: Github, Gitlab
MS Office: Excel, Power Point, Word

KEY SKILLS

- ❑ Knowledge of advanced statistical analysing and programming
- ❑ Familiar with the concepts and measures of epidemiological data
- ❑ Understanding of survey design and analysis
- ❑ Build and maintain professional work relationships
- ❑ Ability to create evidence-based reports
- ❑ Strong data visualisation and presentation skills
- ❑ Experience with qualitative and quantitative methodologies

PROJECTS

The following projects can be found in details on my personal website, **https://minhchauvannguyen.github.io/**.

08/2019

Statistical Consulting Assignment
Report written based on the *Factors influencing the total mercury and methyl mercury in the hair of the fishermen* article by *N.B. Al-Majed* and *M.R. Preston*, with the aim to investigate the relationship between the amount of fish intake and mercury levels found in fisherman hair.
Link

09/2019

Kaggle Data Shiny Application
Shiny application allowing the user to perform interactive analysis on Kaggle suicide statistics accumulated at world level. I built this page when I first learned how to use Shiny for a university project assignment.
Link

02/2020

Cluster Analysis Research Project
Research study documenting the cluster analysis of ordinal and binary linguistics data. The model-based clustering approach using finite mixtures was proposed and described in the context of one-mode and two-mode hard clustering.
Link

05/2020

Time Series Analysis of Orange data Technical Report
Technical report summarising a variety of methods used for fitting time series data. The aim is to keep track of the data process, and report the findings of the models' perfomances and their predictive ability.
Link

06/2020

Time Series Analysis Shiny Dashboard for Orange data
Shiny dashboard demonstrating Time Series analysis of randomly generated made up data. This dashboard was reproduced using the structure of the dashboard I had previously created for a client during my internship at Harmonic Analytics.
Link

07/2020

ICMR in patients under 18 years old design study
By applying multinomial logistic regression and Kaplan-Meier survival methods to health data, the purpose of this study is to examine the long term effect of Carpentier-Edwards Ring or Band annuloplasty in patients under the age of 18 years old.
Link

09/2020

ICMR in patients under 18 years old follow-up report
This research study explores three different statistical methodologies, contingency table analysis, Bayesian approach to multiple multinomial logistic regression and Random Forest classification, and their application to health data. The results were reported to conclude the relationship between the side effect of annuloplasty Band and the clinical outcome of Mitral Regurgitation in patients with mitral valve diseases.
Link

LANGUAGES

- ❑ Vietnamese (native)
- ❑ English (fluent)

REFERENCES

- ❑ **Shirley Wu**
  Operation Manager
  Harmonic Analytics
  shirley@harmonic.co.nz
- ❑ **Ploi Yibmantasiri**
  Data Scientist
  Harmonic Analytics
  ploi@harmonic.co.nz
- ❑ **Ge Guo**
  Business Owner
  Subway
  subway_cablecar@hotmail.com