

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 current	Research Assistant Massey University Wellington	Wellington, NZ	<ul style="list-style-type: none">Create informative graphs and interpret resultsExtract, process and analyse survey data using appropriate statistical methodsCommunicate with client clearly to fulfil requirements
04/2020 current	Sessional Assistant Victoria University of Wellington	Wellington, NZ	<ul style="list-style-type: none">Mark 100-level statistics assignmentsAttend to training and meetingsEnter assignment grades correctly and in accordance with the marking system's guidelines
03/2020 06/2020	Intern/Data Analyst Harmonic Analytics	Wellington, NZ	<ul style="list-style-type: none">Wrangle and analyse time series dataInvestigate different predictive modelling methodsProduce a dashboard with interactive plots to present the resultsCo-operate with supervisors to deliver according to the client's requirements
08/2018 12/2019	Sandwich Artist Subway	Wellington, NZ	<ul style="list-style-type: none">Work in a busy team under pressurePrepare orders neatly, according to formula, and in a timely mannerAdhere to proper food handling, safety and sanitation standards

CONTACT

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 [Github profile](#)
 [Personal website](#)
 [Linkedin](#)

PACKAGES

Statistical Programming:

- ☐ Experience 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

Build and maintain professional work relationships

Ability to create evidence-based reports

Experience with qualitative and quantitative methodologies



Understanding of survey design and analysis



Familiar with time series forecasting and other predictive modelling techniques



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' performances 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**
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This resume was made with the R package [pagedown](#).