

# MINH CHAU VAN NGUYEN



## EDUCATION

03/2019  
|  
06/2020  
  
03/2015  
|  
06/2019

**Master of Applied Statistics**  
Victoria University of Wellington

Wellington, NZ

**Bachelor of Science in Statistics**  
Otago University

Dunedin, NZ



## WORK EXPERIENCE

08/2020  
|  
current

**Analyst - Strategic Insights Team**  
Open Polytechnic of New Zealand

Wellington, NZ

- Write SQL queries to generate data and reports for informing decision-making
- Keep daily tabs on tasks to ensure accomplishment
- Perform data analysis and technical requirements for business users
- Build Power BI reports to support reporting of EPIs and KPIs
- Support team members and internal stakeholders in delivering analytics and insights to the business

08/2020  
|  
current

**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

## CONTACT

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☎ +64-22-036-1978

🔗 [Github profile](#)

🏠 [Personal website](#)

in [Linkedin](#)

## PACKAGES

**Statistical Programming:**

R Studio, SPSS & SAS

**Database Server:** SSMS

**Web development:** HTML, CSS

**Machine learning:** Python

**Reporting:** R Markdown, Shiny, Latex, Power BI, Excel

**Workflow:** Github, Gitlab

**Project Management Tool** Azure DevOps

## KEY SKILLS

Knowledge of advanced statistical analysing and programming

Build and maintain professional work relationships

Ability to use SQL for ETL purposes

Strong understanding of educational TEO EPIs and KPIs

Test Case creation and execution using DevOps

Understanding of Machine Learning models and methodologies


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 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**  
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.  
[Link](#)



## LANGUAGES

- ☐ Vietnamese (native)
- ☐ English (fluent)

## Certificate

