MINH CHAU VAN NGUYEN

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

01/2021 | current
Analyst - Strategic Insights Team
Open Polytechnic of New Zealand — Wellington, NZ
- Write SQL queries to generate data and reports for informing decision-making
- Tasks monitoring and providing input within the team
- Analyse data and gather 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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Github profile
Personal website
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 lingustics 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' perfomances 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