

# Nadya Afandi

ACTUARIAL SCIENCE GRADUATE

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## Professional Summary

Actuarial Science graduate. Completed CT1, CT2, CT3, CT7, CT8 from **Actuaries Institute of Australia**. Currently progressing with the remaining actuarial examinations.

## Education

### Monash University

Melbourne, Australia

#### BACHELOR OF ACTUARIAL SCIENCE

Jun 2017 – Dec 2019

- Graduated with **Distinction**, CGPA 3.55/4.00
- Awarded **2 (two) Academic Excellence Awards** for achieving the highest final mark in the cohort
- Coursework:** Actuarial Statistics, Business Forecasting, Business Analytics, Life Contingencies, Financial Modelling

## Projects

### Life Insurance Contingencies ([http://bit.ly/LifeIns\\_Project](http://bit.ly/LifeIns_Project))

#### UNIVERSITY COURSEWORK FINAL PROJECT (group leader, scored 100/100)

- Calculated the **net & gross premiums** of a **unit-linked endowment assurance** as well as its **expected market return rates**
- Calculated **reserves** and conducted **profit testing** to determine the contract's profitability
- Forecasted **mortality index** and calculated the **central rate of mortality** using Lee-Carter method, achieved more than **95% accuracy** when comparing the forecast with the actual data

### Retail Turnover Forecasting & Analysis ([http://bit.ly/RetailForecasting\\_Project](http://bit.ly/RetailForecasting_Project))

#### UNIVERSITY COURSEWORK PROJECT (scored 18/20)

- Transformed & **decomposed** Australia's retail turnover **time-series** to observe its underlying **trend & seasonality**
- Produced 2-years-ahead forecasts using exponential smoothing (ETS) and **ARIMA** models, where the actual data falls within the forecast's **95% prediction interval**

## Certification

### Actuaries Institute of Australia (gained **exemption** through university coursework)

- |                             |                                     |   |
|-----------------------------|-------------------------------------|---|
| • CT1 Financial Mathematics | • CT2 Finance & Financial Reporting | • CT3 Probability & Mathematical Statistics |
| • CT7 Business Economics    | • CT8 Financial Economics           |   |

## Skills

**Data Analytical Tools** R & Microsoft Excel (proficient), Python & SQL (familiar)

## Experience

### Butterworks.id

Surabaya, Indonesia

#### SMALL BUSINESS OWNER

Mar 2020 – present

- Butterworks is an online-based bakery focusing on creating customised celebration cakes
- Established & managed all aspects of the business, analysed cost incurred & cash inflows to determine profit margin

### CV Rajawali Machinery

Surabaya, Indonesia

#### PROJECT MANAGER ASSISTANT

Jan 2020 – Mar 2020

- Rajawali is a plasma-cutting machine manufacturer, providing metal cutting, painting, and other metal-related services
- Liaised between client & production team, conducted quality control & organised shipping of goods
- Created quotation, invoice, and handled client queries & payments

## Volunteering & Organisations

### Soundsekerta 2019

Melbourne, Australia

#### VENUE & LOGISTICS OFFICER

Apr 2019 – Sept 2019

- Soundsekerta is the biggest annual Indonesian Music Festival in Australia, held in Melbourne Town Hall
- Supervised the budgeting & hiring of concert venue, audio/visual equipment, and musical instruments
- Organised a press conference for the performing artists at the Consulate General of Indonesia (KJRI Melbourne)