

# Ashten Anthony

Kuala Lumpur, Malaysia

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## Work Experience

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### Suncorp Australia - Senior Pricing Analyst

KL, Malaysia (Remote)

#### SME RATE REVIEW

Aug. 2021 - present

- Provided support in pricing rate review of SME products for fire, business interruption and liability covers. Performed modeling on cost per policy to determine the new rates

#### SME OCCUPATION HAZARD GROUP UPDATE

- Performed analysis to set higher hazard grouping to financially poor performing occupation groups in order to quote higher prices in return for lower strike rates.

#### EXPENSE RATE ANALYSIS

- Performed yearly expense analysis based on finance data to estimate appropriate fixed and variable expenses to be charged to policies.

#### FINANCIAL IMPACT ANALYSIS ENHANCEMENT

- Developed enhancements to team's financial impact analysis to better measure key figures such as GWP, AGWP and ITR from price changes.

### Hannover Re - Regional P&C Senior Analyst

KL, Malaysia

#### CROSS-SELLING ANALYSIS WITH PROFIT MAXIMISATION

Nov. 2020 - Jul. 2021

- Delivered excel-based analysis that indicates profitable treaties for underwriters to cross-sell during renewal negotiations. Analysis includes simple optimization to maximise profit while constraining on available catastrophic capacity.

#### PORTFOLIO MONITORING WITH SEGMENTATION ANALYSIS

- Delivered excel-based analysis to report branch's key financial figures such as estimated premium income (EPI), written premium, earned premium, ultimate losses and combined ratio.

### NMG Consulting - Analyst, Senior Analyst

KL, Malaysia

#### DATA SCIENCE - MACHINE LEARNING

Aug. 2017 - Oct. 2020

- Provided support for an Australian non-life insurer's pricing team to deconstruct their competitors' premium for various products.
- Machine learning algorithms such as Distributed Random Forest, Gradient Boosting Machine, extreme Gradient Boosting was built to deconstruct the premiums.

#### DATA SCIENCE - VISUALISATION

- Independently built R shiny apps with visualisations for monitoring and analytical purposes.
- Visualisations built includes bar, line, density, heat, geo map charts and others. These shiny apps cater for various dynamic user inputs to maximise analytical value.

#### MARKET STUDY - AUSTRALIAN INSURANCE BROKERS

- Provided support in compiling and visualising Australian non-life market statistics from Australian Prudential Regulation Authority (APRA).

#### ACTUARIAL - PRICING

- Developed pricing models for auto insurance products which includes private car, commercial vehicles and motorcycles using Generalised Linear Models in R and SAS

#### ACTUARIAL - RESERVING

- Provided support in statutory liability valuation for non-life insurance companies.
- Support includes data cleaning, data checking and preparation of raw claims and premium data.

## ACTUARIAL - RETIREMENT BENEFIT

- Provided support for retirement benefit valuation for companies in Malaysia and Australia.
- Support includes data cleaning, data checking and data preparation of exposure data in R

## Professional Qualification

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### CASUALTY ACTUARIAL SOCIETY – US BOARD FOR ACTUARIAL MEMBERSHIP

- Exam Probability (P)
- Exam Financial Mathematics (FM)
- Exam Models for Financial Economics (MFE)
- CAS Online Course 1: Risk Management and Insurance Operations
- CAS Online Course 2: Insurance Accounting, Coverage Analysis, Insurance Law, and Insurance Regulation
- VEE Economics, Corporate Finance, Applied Statistics

## Education & Achievements

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### BSc (HONS) in Actuarial Science

SUNWAY UNIVERSITY

- First Class Honors, Cumulative Grade Point Average (CGPA): 3.93/4.00

PJ, Malaysia

Mar. 2014 - Mar. 2017

### Sunway Excellence Scholarship

FULL SCHOLARSHIP

- All tuition and exam fees were sponsored by Sunway University. Only 1 or 2 recipients per intake.

KL, Malaysia

Mar. 2014

### CIMB Data Science Challenge

CHAMPION – WINNER OF RM 12,000

- Worked in a group of 3 while competing with 51 other teams to build the best business proposal using statistical analysis in SAS

KL, Malaysia

Aug. 2016

## Other skills

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### SOFTWARE

- R - tidyverse, dplyr, dbplyr, shiny, ggplot2, ganimate, plotly, leaflet, RPostgreSQL, RJDBC, h2o, RStudio
- SAS - Base, Enterprise Guide, Enterprise Miner (Beginner)
- SQL - Data querying and preparation
- Microsoft - Excel, Access, Powerpoint, Word
- HTML & CSS - Beginner proficiency for R shiny dashboard development
- Minitab - Salford Predictive Modeler (Treenet)
- Github, Bitbucket - version control

### COMPUTER

- AWS: EC2 & S3 for SAS and R
- Azure: Setting up linux virtual machines for shiny deployment
- Linux and Windows cmd: Process automation

### R SHOWCASE

- R tips - <https://github.com/ashten28/Rtips>
- R shiny app - <https://github.com/ashten28/covid19>
- R visualisation - <https://github.com/ashten28/tidytuesday>
- For all showcases, visit - <https://github.com/ashten28>