Ashten Anthony

Kuala Lumpur, Malaysia

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Work Experience

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 interuption and liability covers. Performed modeling on cost per policy to determine the new rates

SME OCCUPATION HAZARD GROUP UPDATE
- Perfomed 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 ANALYIS ENHANCEMENT
- Developed enhancements to team's financial impact analysis to better measure key figures such 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 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 and Australia.
- Support includes data cleaning, data checking and data preparation of exposure data in R

Professional Qualification

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

BSc (HONS) in Actuarial Science
PJ, Malaysia
Sunway University
Mar. 2014 - Mar. 2017
- First Class Honors, Cumulative Grade Point Average (CGPA): 3.93/4.00

Sunway Excellence Scholarship
KL, Malaysia
Full scholarship
Mar. 2014
- All tuition and exam fees were sponsored by Sunway University. Only 1 or 2 recipients per intake.

CIMB Data Science Challenge
KL, Malaysia
Champion – Winner of RM 12,000
Aug. 2016
- Worked in a group of 3 while competing with 51 other teams to build the best business proposal using statistical analysis in SAS

Other skills

Software
- R - tidyverse, dplyr, dbplyr, shiny, ggplot2, gganimate, 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