

CV, Pat Reen

Financial services professional | Data Actuary

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OVERVIEW

I have over 13 years' experience in large multinational financial services businesses focusing on management information, data science, financial analysis and process improvement. In my most recent roles I have consulted on process improvement and have led teams in measuring and reporting on business performance, providing actionable insights from the analysis of financial and operational data.

I have extensive experience in process overhaul and using data analytics and predictive modelling to inform business decisions.



EXPERIENCE

Pricing and Analytics Consultant

Sep 2022 - Present

Munich Reinsurance, Australia (MRA)

Reporting to Head of Group Insurance (HoGI)

Key achievement: Complete overhaul of pricing result visualisations. Significant enhancements to assumption setting processes.

- In this role I consulted on the redesign of group pricing processes with a view to improving efficiency and capabilities, increasing the level of result granularity, reducing operational risk and upskilling the team.
- Translated business needs into technical requirements and led the viability assessment of proposed software solutions.
- Collaborated with the HoGI and head of group pricing (HoGP) to define a target state and project plans to align pricing processes with business needs. Supported stakeholder communication of same.
- Engaged with support areas to clear a path for success e.g. group enterprise architecture, external software providers, experience investigation and review teams.
- Devised and led the sprint plan.
- Designed results visualisations and applied alternative models to assumptions setting processes through live pricing exercises.
- Collaborated with the project manager to develop a change control and training plan for the team.

Deputy Appointed Actuary

Oct 2020 – Feb 2022

Westpac Life Insurance Services Limited, Australia

Reporting to Appointed Actuary

Key achievement: Accelerated experience analysis components from months to weeks - the more rapid granular analysis supported flexible financial modelling/ scenario testing.

- I joined the team to support the sale of the life business by Westpac Group through due diligence analysis, buyer workshops and Q&A sessions.
- Owned the BAU experience data analysis, reporting and review process.
- Led the team's efforts in streamlining the analysis processes
 - automated data ETL, Alteryx to SQL database
 - visualised deterministic predicted claim confidence intervals against actuals, Tableau
 - applied supervised learning methods to derive adjustments to predictions, R
 - communicated outcomes to the leadership team and managed stakeholders.
- Led data driven initiatives that contributed to pricing refinements.
- Led the team's efforts in the completion of monthly AIFRS profit and regulatory reporting.
- Designed and tested analytical models to support business decisions.
- Owned the financial analysis and communication process and outcome, enabling senior and executive managers to understand the key results drivers and take appropriate action.
- Managed and guided a team of financial services professionals (including offshore team members) to meet deliverables, improve efficiency and achieve their goals.

Head of Business Finance

Feb 2019 – Sep 2020

Reinsurance Group of America, Australia (RGAA)

Reporting to the Chief Financial Officer (CFO)

Key achievement: Accelerated BAU financial analysis from days to hours - tools highly praised by the Board and adopted in other geographies.

- Led the team's efforts in a complete automation of financial analysis and reporting, leveraging database architecture to eliminate dependencies on spreadsheets and streamline reporting and data visualization software to deliver tailored data-driven reporting.
- Owned the financial analysis and communication process and outcome. Challenged the result, drawing on strong relationships with other business functions.
- Championed data driven initiatives and projects that facilitated proactive client engagement.
- Collaborated with the legal, pricing, underwriting and claims teams on deep-dive analyses of performance drivers for selected blocks of business.
- Developed best-of-breed dynamic performance dashboards for senior management and local and parent Board / Board Committees.

Deputy Chief Valuation Actuary, Previously 2IC
May 2016 – Jan 2019
Reinsurance Group of America, Australia (RGAA)

Reporting to the Appointed Actuary

Key achievement: Together with the Chief Valuation Actuary (CVA), re-staffed and upskilled a team that had experienced high turnover, resulting in significant control uplifts.

- Co-ordinated the team's contribution to the annual financial statements and managed the relationship with 3rd line of defence functions.
- In conjunction with the CVA, led the team's efforts in the completion of monthly reporting, analysis of profits as well as quarterly Regulatory Capital reporting and APRA reporting.
- Supported the delivery of the Internal Capital Adequacy Assessment Process (ICAAP) report and the Financial Condition Report (FCR).
- Assisted the Appointed Actuary in preparing actuarial advice.
- In conjunction with the CVA, championed 1st line of defence improvements.
- Led the team in cross-functional knowledge sharing and enhancing reporting.

Research Actuary
May 2014 – Apr 2016
Reinsurance Group of America, Australia (RGAA)

Reporting to the Head of Research/ CRO

Key achievement: Increased the frequency and granularity of data analysis to reflect rapidly evolving experience.

Corporate Actuary/ Actuarial Specialist
Jan 2009 – Apr 2014
MMI - Metropolitan, South Africa

Reporting to the Appointed Actuary

Key achievement: Streamlined the modelling of new products as well as product migrations through championing cross-team knowledge sharing.



EDUCATION

Fellow (FIAA)
2015
Actuaries Institute, Australia

Fellow (FIA)
2013
Institute and Faculty of Actuaries, UK

Bachelor of Business Science
2008
University of Cape Town



SKILLS & PROFICIENCY

Tableau, PowerBI

Alteryx

SQL, SSIS

R

Python

Databricks



INDUSTRY CONTRIBUTIONS

Actuaries Analytical Cookbook (<https://actuariesinstitute.github.io/cookbook/docs/index.html>) - Created and supported a cookbook of data and analytics recipes, a resource to actuaries.

Information Note, Analysing Disability Income Experience
(<https://www.actuaries.asn.au/Library/Standards/LifeInsuranceWealth/2021/IN%20Analysing%20Disability%20Income%20Experience%20and%20Setting%20Best%20Practices%20for%20Disability%20Income%20Experience>)
- Contributed to information note on setting pricing and reserving assumptions for future claims experience.