

DANIEL SURYAKUSUMA

PHONE: (909) 569 - 5177

EMAIL: daniel@dsury.com

ACTUARIAL EXAMS

EXAM MAS-II:	Sitting Nov 2022	EXAM 3/IFM:	Passed Jul 2020
EXAM MAS-I:	Passed May 2022	EXAM 2/FM:	Passed Oct 2017
EXAM 5:	Passed Oct 2021	EXAM 1/P:	Passed Jul 2017

WORK EXPERIENCE

MAY 2022 - Current SR. ACTUARIAL ANALYST	CORPORATE ACTUARIAL, RESERVING: PERSONAL AUTO <i>Farmers Insurance Group - Los Angeles, CA</i> <ul style="list-style-type: none">•Lead actuarial reserving team for alignment in countrywide quarterly ResQ reserve review as the subject-matter-expert for Auto Physical Damage (APD) coverages. Analyze industry and macro-economic trends to help isolate signals in diagnostic triangles and account for distortions from COVID-19 impacts to timing and claims development patterns. Presented to pricing and state management around financial results, emerging trends, and execution of company strategy.•Identified leading indicators of changing claims emergence patterns as Actual versus Expected (AvE) process owner. Collaborate monthly with Claims to investigate and explain drivers of adverse or favorable development. Monitor daily calendar incurred loss versus actuarial-expected claims emergence adjusted for seasonality and claims working days.
JUL 2021 - May 2022 ACTUARIAL ANALYST II	ACTUARIAL PRICING: PERSONAL AUTO <i>Mercury Insurance Group (NYSE: MCY) - Orange County, CA</i> <ul style="list-style-type: none">•Performed deep-dive analyses for CA and AZ, leveraging various reserving techniques and analyzing internal and competitor loss trends for rate indications. Collaborate with PM, R&D, Claims, and Underwriting to drive profitable growth.•Designed new country-wide Personal Umbrella product introducing innovative segmentation. Built new tools to compute rating factors, off-balance and dislocation, triangles and exhibits for CA rate/rule/form filing. Teamed up with IT, Marketing, and UW for database and UI/UX design to ensure successful book conversion into new IT system.•Programmed automated R script to scrape, compile, and organize competitor product filings. Deliver direct, accurate, and timely industry information to executive and marketing teams on key changes to competitor product rating plans or underwriting risk appetite.
MAY 2020 - JUN 2021 PRODUCT ANALYST	STATE PRODUCT MANAGEMENT: PERSONAL AUTO <i>Mercury Insurance Group (NYSE: MCY) - Orange County, CA</i> <ul style="list-style-type: none">•Constructed a growth optimization predictive model, isolating independent agency locations with greatest growth and cross-sell opportunities within auto, home, and umbrella. Presented analysis to c-suite officers and key stakeholders. Partnered with Sales team to integrate model in agency vetting process.•Programmed large-scale quote dislocation tool in R to measure projected rate competitiveness to market. Co-authored Mercury's CA PPA Class Plan filing. Presented analysis and projected changes to Mercury's largest book to executive team for buy-in.•Bootstrapped KPI reporting for successful launch of MercuryGO UBI telematics program. Identified early enhancements and equipped Mercury's outbound call center with automated daily reporting to significantly enhance customer experience, improving app installation rate +30%.

EDUCATION

MAY 2020	University of California, Berkeley B.A. Applied Mathematics (Statistics) Major GPA: 3.46/4.00
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TECHNICAL PROJECTS

[INSURING AGAINST GOING VIRAL: Life Expectancy on Spotify Top Charts](#)

- Quantified interaction effect between fixed subscription premiums and royalty claims payments for viral songs. Web-scraped data and built query-able PostgreSQL database to infer updated trends for consumer behavior.

[LIVETYPE TEX LIBRARY \(GitHub Atom, Open-Source\)](#)

- Built customizable .cson library for code completion and error correction, enabling real-time live typesetting of technical lecture notes. Volunteered under UC Berkeley Statistics professor Jim Pitman as [scribe for Stochastic Processes](#).