



# SOCIETY OF ACTUARIES®

## SOA Predictive Analytics Seminar – Hong Kong

28 Aug. 2019 | Hong Kong

*With The Support of The Actuarial Society of Hong Kong (ASHK)*

Venue: L'hotel Island South, 55 Wong Chuk Hang Road, Aberdeen, Hong Kong

Agenda	
0800-0900	Registration
0900-0910	Welcome Remarks Presenter: Kenneth Dai, President, The Actuarial Society of Hong Kong
0910-1000	Session 1 – Analytics strategy and future roadmap for life insurers Presenter(s): <ul style="list-style-type: none"><li>James Lin, Director, Ernst &amp; Young</li><li>Sarah Zhang, Senior Associate, Ernst &amp; Young</li></ul>
1000-1050	Session 2 – The Role of Predictive Analytics in US Healthcare Market Presenter: Gary Gau, Ph.D, ASA, MAAA, Lead Actuarial Research Scientist, naviHealth
1050-1120	Coffee Break
1120-1210	Session 3 - Medical underwriting triage: An end-to-end machine learning case study Presenter: Alexis Iglauer, Head of Analytics and Technology, PartnerRe
1210-1345	Lunch
1345-1435	Session 4 - Identify drivers of company value using data analytics Presenter(s): <ul style="list-style-type: none"><li>Jacky Ng, AIAA, ASA, CERA, Lead Analytics Manager, Swiss Re</li><li>Wilson Lai, FIA, Business Development Manager, Swiss Re</li></ul>
1435-1525	Session 5 - GLM and its application in life insurance Presenter: Anilraj Pazhety, Data Innovation Specialist, RGA
1525-1555	Coffee Break
1555-1645	Session 6 - GLM and its application in general insurance Presenter: George Kau, ACMA, CGMA, FASM, FSA, MBA, Executive Director, KPMG Malaysia
1645-1700	Closing Remarks Presenter: Jerome Matrundola, FSA, FCIA, Organizing Committee

### CPD CREDITS

SOA CPD Credits = 6.50 credits

### ATTENDANCE CERTIFICATION

For a copy of attendance certification, please email [apac@soa.org](mailto:apac@soa.org) after the meeting.

### ONLINE REGISTRATION

Please refer to the below link for the registration: <https://www.soa.org/prof-dev/events/2019-predictive-analytics-hong-kong/>

## Speakers

### **Kenneth Dai, FSA, President, The Actuarial Society of Hong Kong**

### **Jerome Matrundola, FSA, FCIA, SOA Greater Asia Committee Member, Organizing Committee, CEO of Life & Health, Asia Pacific, PartnerRe**

### **Alexis Iglauer, Head of Analytics and Technology, PartnerRe**

Alexis Iglauer is Partner's Head of Analytics and Technology. As part of his role, Alexis has developed PartnerRe's Life & Health data science team and has deployed PartnerRe's data analytics solutions worldwide. Alexis has a strong understanding of the capabilities and limitations of technology to help the insurance industry achieve its goals. Alexis was born and raised in South Africa, he completed his actuarial degree in Pretoria and then moved first to London, then Hamburg and Cologne before joining PartnerRe in Zurich in 2005.

### **Anilraj Pazhety, Data Innovation Specialist, RGA**

Anilraj Pazhety is a Data Innovation Specialist with RGA's Regional Data and Strategy Analytics unit in Asia. In his role, Anilraj provides support to business units in the development and execution of data-driven initiatives across the Asia region, including understanding the data needs of local offices, seeking out new data assets and developing partnerships, and working with technical specialists to develop and commercialize data algorithms. Anilraj is a data scientist by training with a decade of experience driving business growth for clients through analytics across different industries. Before joining RGA, Anilraj was a Senior Data Scientist at MRM-McCann where he developed machine learning models for the likes of Google and Unilever Food Services. Prior to that, Anilraj also worked for Cognizant Business Consulting developing data-driven solutions for insurance clients to optimize various business workflows. Anilraj has a master's in business analytics and project management from the University of Connecticut, USA, a Master of Business Administration (M.B.A.) from the University of Mumbai, and a bachelor's in computer science. He has also completed various LOMA Life Insurance certifications, aiding in his understanding of insurance business.

### **Gary Gau, Ph.D, ASA, MAAA, Lead actuarial research scientist, naviHealth**

Gary Gau, Ph.D., ASA, MAAA, is now a member of navihealth family as the lead actuarial research scientist, in which Dr. Gau will conduct researches on how to connect patients with the right care, in the right setting, for the right amount of time. Before joining, Dr. Gau was a Lead Data Scientist with a life insurance company, focusing on agency analytics. Also, Dr. Gau was playing the actuarial predictive modeling lead role with a health insurance company, leading the risk identification research project under the influence of Affordable Care Act. He co-authored book chapters for Healthcare Risk Adjustment and Predictive Modeling. Dr. Gau previously was an Associate Professor of Statistics and Actuarial Science at the University of Central Florida where he served for seven years. Dr. Gau received his doctorate in Mathematics and Statistics from Boston University. His research expertise includes actuarial modeling, risk assessment and risk adjustment, and targeted marketing, using various advanced analytics techniques.

### **George Kau, ACMA, CGMA, FASM, FSA, MBA, Executive Director, KPMG Malaysia**

George has extensive experience in due diligence reviews, review of financial modelling, reporting accountants and review of profit forecasts. He has audit experience specialising in the financial services sector in Malaysia. He is currently engaged in implementation of the IFRS 17 and IFRS 9, with specific focus on data, system and process for general insurance and general reinsurance clients of KPMG Malaysia. He has held senior leadership roles and a major part of his career in the financial services sector. George is a certified Chartered Management Accountant (CIMA) as well as a Chartered Accountant (CA)-(MIA).

### **Jacky Ng, AIAA, ASA, CERA, Lead Analytics Manager, Swiss Re**

Jacky Ng is an actuary turned data scientist, he is currently with Swiss Re's Digital & Smart Analytics APAC team as the Lead Analytics Manager for Hong Kong & Taiwan. Jacky previously led Swiss Re's Life & Health Actuarial Asia regional valuation and modelling teams. Prior to Swiss Re, Jacky was an actuarial consultant with extensive working experience across APAC including Australia, Japan, South Korea and Hong Kong. Jacky is an associate member of the Institute of Actuaries of Australia (AIAA) and Society of Actuaries (ASA) and is also a Chartered Enterprise Risk Analyst (CERA). He holds a double degree of Actuarial Studies and Computer Science from Macquarie University, Sydney.

### **James Lin, Director, Ernst & Young**

James is a Director at Ernst & Young Hong Kong insurance analytics strategy advisory. He has led multiple projects which cover design of group insurance data analytics strategy and execution roadmap, distribution analytics and compensation revamp, and auto-underwriting and insurance scoring. Prior to EY, he has led the setup of risk analytics function for an Australia bank.

### **Sarah Zhang, Senior Associate, Ernst & Young**

Sarah is a senior associate at Ernst & Young Hong Kong Risk Advisory data analytics team. She has been working on analytics projects that help insurance agencies re-design compensation schemes and improve agents productivity. Prior to EY, she has extensive experience with actuarial modeling and programming for mergers & acquisitions appraisals in North America.

### **Wilson Lai, FIA, Business Development Manager, Swiss Re**

Wilson Lai is working in Swiss Re's Business Development team as a Business Development Manager for originating Structured Reinsurance Solutions and other reinsurance leads in South East Asia, India and Australia. Wilson previously was a L&H Structurer based in Swiss Re London. Wilson is a Fellow member of the Institute and Faculty of Actuaries (IFoA). He holds a Master of Engineering degree from Imperial College London.

# The Predictive Analytics Seminar – Hong Kong



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## Seminar Registration

First Name	Last/Family Name
Nickname/Preferred Name on Badge	
Title	Company
Address	
City/State/Province/Country	Zip
Email	
Phone	Fax
Emergency Contact Name and Phone	

## Seminar Rates

### Registration Fees

The registration fee includes talk and a lunch. Registration fees must be paid in U.S. dollars.

### Online registration is strongly recommended

	Register by 9 Aug 2019	Register after 9 Aug 2019
SOA / ASHK Member(*Delete as appropriate)	<input type="checkbox"/> USD200	<input type="checkbox"/> USD300
Non-Member	<input type="checkbox"/> USD300	<input type="checkbox"/> USD400

Total Enclosed: \$ \_\_\_\_\_

### Deadlines

- 5 Aug., 2019 – Deadline for cancellation requests (USD100 processing fee applies)
- 10 Aug., 2019 – Deadline for receiving mail-in registration
- 20 Aug., 2019 – Deadline for advance online registration

### Payment must be received by Aug 10, 2019

Mail this completed registration form with check in U.S. funds, payable to 'Society of Actuaries.' Allow 10 days for processing.

Society of Actuaries  
The Predictive Analytics Seminar – Hong Kong  
SEM2019031  
P.O. Box 95600  
Chicago, IL 60694-5600

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Signature \_\_\_\_\_ Date \_\_\_\_\_

### QUESTIONS OR CONCERNS:

Contact the SOA Customer Service Center Monday through Friday, 8:00 a.m. to 5:00 p.m. CDT, by calling 888.697.3900 or e-mailing [CustomerService@soa.org](mailto:CustomerService@soa.org).