



ActuaRead

A Newsletter by Malaysian Actuarial Student Association



ABOUT US

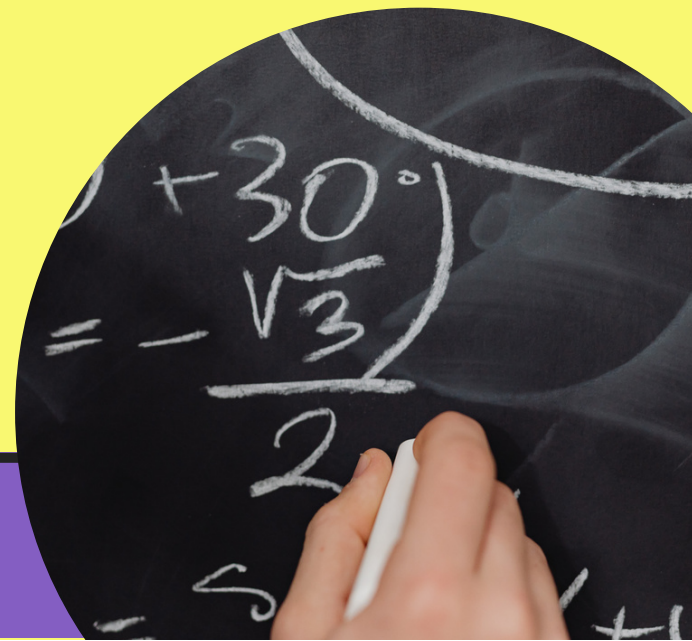


Founded in October 2018, the Malaysian Actuarial Student Association (MASA) has been actively developing actuarial science students' potential in Malaysia and empowering them to be the next generation of actuarial leaders.

As of January 2022, MASA has over 900 active members from both public and private universities nationwide. MASA has also affiliated with actuarial societies from 11 universities in Malaysia.

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MASA EVENTS



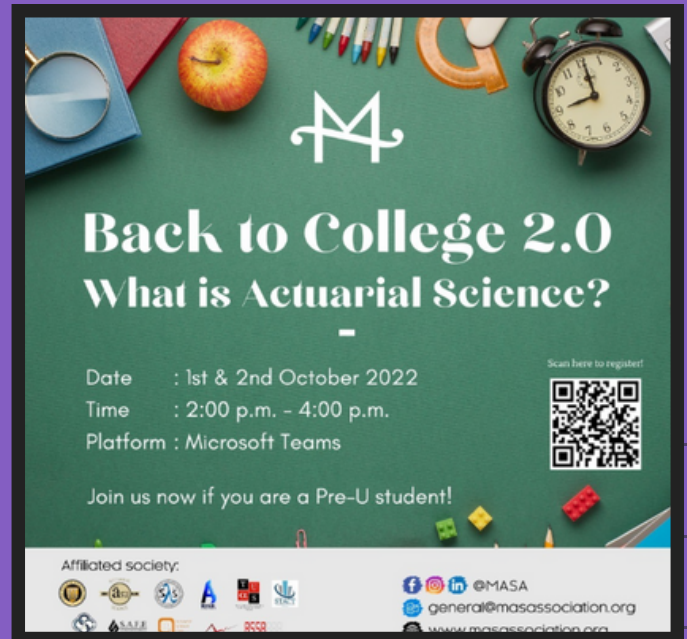
MASA Back to College 2.0: What is Actuarial Science?

With the increasing demand for actuarial professionals in today's world, yet many Malaysians have not heard of what actuarial science is.

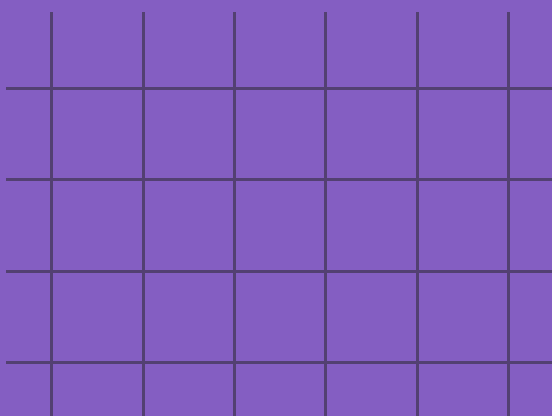
We, MASA, wish to better introduce actuarial science to our future generations and empower them to devote themselves to this progressively significant industry. Thus, we have invited a group of panelists for a friendly forum targeted for Pre-U students across Malaysia.

On the first day, we invited Mr. Kelvin Hii, the Chief Risk Officer at MSIG Insurance and Mr. Logen Kanisan, a Product and Pricing Actuary in Life & Health Insurance. In this session, the two panelists shared their experiences in the actuarial industry, starting from their degree years, to their internships and moving on to their professional experiences.

On the second day, we invited panelists from a group of current Actuarial Science students. They are Ms. Ho Shi Qi from APU, Ms. Serene Lade from UM and Ms. Liew Soon Yee from APU. In this session, they shared about balancing between academics and their leadership experiences. They also shared their experience being an Actuarial Science, from the reason behind making this decision to the lessons they have learnt thus far in this actuarial journey.



DATE: 1ST & 2ND OCTOBER 2022
TIME: 2 PM – 4 PM



MASA EVENTS

MASA Career Series: Work in EY

Most students are not aware of the actuarial department at EY or have little knowledge about EY's actuarial department.

With that being said, MASA has collaborated with EY to allow actuarial students to gain exposure and insights into EY's actuarial department and at the same time, network with industry professionals from EY.

We are delighted to have speakers from EY, Mr Daniel Lee and Mr Lim Thiam Sang. Both of them have vast experience in the actuarial industry and through this event, they will provide you insights of the actuarial department within EY. Furthermore, we had a resume collection for students or graduates who are interested in building a career in EY.



MASA CAREER SERIES
WORK IN EY

Date : 15th October 2022 (Saturday)
Time : 10:00 a.m. - 11:30 a.m.
Platform : Microsoft Teams
Fees : Free (Members), RM10 (Non-members)

Scan to Register

Affiliated society:
@MASA
general@masassociation.org
www.masassociation.org



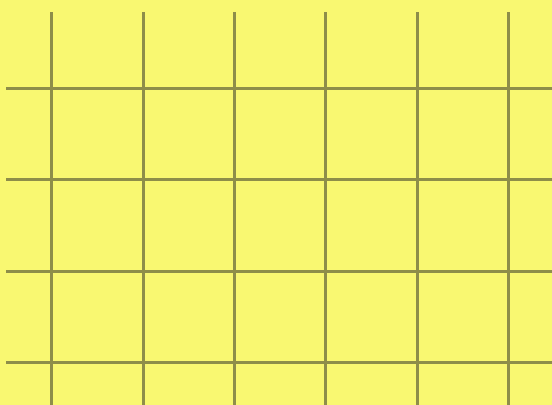
MASA CAREER SERIES
WORK IN EY

Resume Collection
https://bit.ly/CollectResume_EY

Submit your resume now!
Deadline: 31st October 2022, 12:00 p.m.
Position available: Business Consulting & Intern

Affiliated society:
@MASA
general@masassociation.org
www.masassociation.org

DATE: 15TH OCTOBER 2022
TIME: 10 AM – 11.30 AM

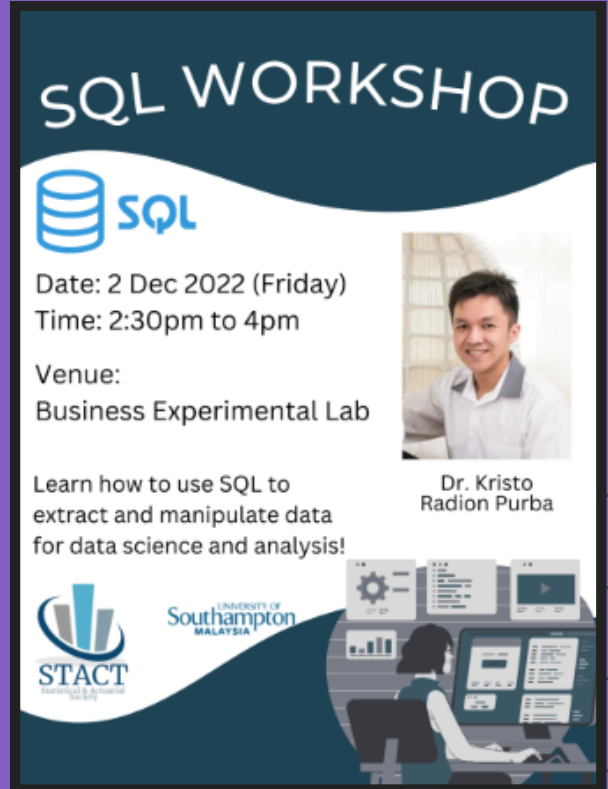


MASA AFFILIATED SOCIETIES EVENTS

STACT – UoSM

On 2nd December 2022, the Statistical & Actuarial Society at UoSM conducted its first event of the 2022/23 academic year.

Dr. Kristo Radion, a seasoned data scientist instructed the SQL workshop to teach about data science, the use of SQL and how to manipulate and prepare data.




SQL WORKSHOP



 SQL

Date: 2 Dec 2022 (Friday)
Time: 2:30pm to 4pm

Venue:
Business Experimental Lab


Dr. Kristo Radion Purba

Learn how to use SQL to extract and manipulate data for data science and analysis!

EXCEL WORKSHOP

- Applying fundamental Excel skills and tools in problem solving
- Solving problems with statistical analysis tools
- Determining effective data display with charts
- Hands-on with SQL

DECEMBER 17, 2022 (SAT)
DECEMBER 23, 2022 (FRI)
9:00 AM - 11:30 AM (MYT)

REGISTER NOW!



UMACT – UM

It is a 2-day workshop held to expose the students to Excel which is an effective tool in handling data. Madam Nadiah was invited as the speaker for this workshop.

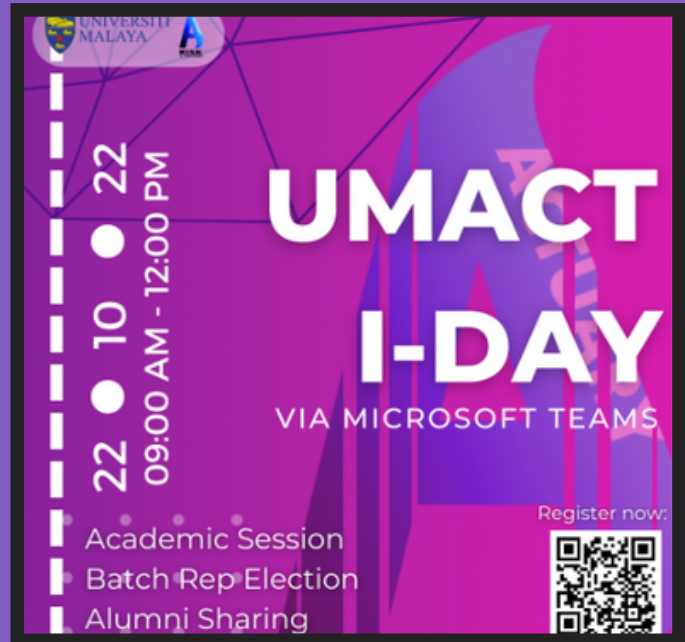
She is a fellow of IFoA and have 8 years of industrial experience before joining UM as a senior lecturer.

MASA AFFILIATED SOCIETIES EVENTS

UMACT – UM

UMACT Interaction Day (I-Day) is an annual event held to welcome UM first year Actuarial Science students.

It aims to provide wider exposure to the freshies on their future pathways and foster their bond. Alumni were invited to share both their studying and working experience with the attendees.




UNIVERSITI MALAYA
UM

22 ● 10 ● 22
09:00 AM - 12:00 PM

UMACT I-DAY

VIA MICROSOFT TEAMS

Register now:
Academic Session
Batch Rep Election
Alumni Sharing



BE AN ACTUARY 3.0

FREE OF CHARGE!



**MS NAVARAT (PI)
KRIAUSAKUL**

Chief Pricing Actuary of Reinsurance
Group of America (RGA)



**FRIDAY
14TH OCTOBER 2022**

8:00PM-9:30PM



MICROSOFT TEAMS

REGISTER NOW!



Contact us:
Bryant - bryant.assa@gmail.com | Lynie - lynie.assa@gmail.com

Organised by **ASSA**

Supported by

UCSI University



ASSA – UCSI

In October, UCSI University Actuarial Science Student Association (ASSA) was back again with Be An Actuary series, which has been continued for the third year!

This time, Ms. Navarat, the appointed Chief Pricing Actuary from RGA was invited to share about pricing in a reinsurance company, which was very fruitful.

MASA AFFILIATED SOCIETIES EVENTS

HWUMSAS – HWUM

With the aim to equip students with various programming tools, Actuarial Tools Month 2.0 workshop was brought back.

The programming tools included in this event are Python, Excel VBA, and SQL. Industrial professionals or lecturers from the university were invited as instructors for each of the workshops.

LA : Workshop

ACTUARIAL TOOLS MONTH 2.0

- VBA Workshop**
Date: 8th October 2022
Time: 1pm - 5pm
Venue: WG LR 5 G
Microsoft Teams
- SQL Workshop**
Date: 22nd October 2022
Time: 1pm - 5pm
Venue: WG LR 5 G
Microsoft Teams
- Python Workshop**
Date: 29th October 2022
Time: 11am - 3pm
Venue: WG LR 5 G
Microsoft Teams

Register here >>>

Swipe to meet the speakers! >>>

CAS SHARING SESSION

Date: 12th November
Time: 14:00 - 16:00
Platform: Microsoft Teams



scan the QR code to register

Moderator



Ms. Bo Lin

Speakers



Mr. Aw Yong Chor Leong



Ms. Xiang Ying Heng



Mr. Khai Shern Wong

HWUMSAS – HWUM

This one-day sharing session provided deeper insights for BSc Actuarial Science students about life as an actuary after graduation, as well as more insights on CAS to Heriot-Watt students including the procedures of joining CAS before or after graduation.

MASA AFFILIATED SOCIETIES EVENTS

ASC – UKM

Actuarial Science Club UKM held a Sharing Session and Actuarial Paper Talk on 26 November 2022.

Our club invited Year 4 students and graduated seniors to share their thoughts and experience regarding actuarial pathway, paper talk and future jobs.



The poster features logos for Universiti Kebangsaan Malaysia, VAWATAN KITA, and Faculty of Science & Technology at UKM. The main text reads 'SHARING SESSION & ACTUARIAL PAPER TALK'. A QR code is provided for joining the Microsoft Team. The event is scheduled for Saturday, 26 November, from 8.30 PM to 10.30 PM. Contact information includes phone numbers 010 201 9599 and 011 5502 0767, and the Instagram handle @ACTUARY.UKM.

ASC – UKM

Our club organized Hari Sukan Actuary on 24 December 2022. There are two games which are frisbee and futsal.

All UKM Actuarial Science students are welcomed to join as a team of 10. Prizes are given to champion and first runner-up.



The poster features logos for Universiti Kebangsaan Malaysia, VAWATAN KITA, and Faculty of Science & Technology at UKM. It depicts two athletes, one playing futsal and the other frisbee. The text includes 'Court Futsal KPZ, UKM', 'HARI SUKAN AKTUARI', and the date 'Sabtu 24/12, 8.00 - 10.30 A.M.'. A red tag indicates 'RM20 PER TEAM'. Contact information is provided at the bottom: '+60 19-2456477 (AZRI DANIAL)' and '+60 10-8776077 (DIN)'.

MASA AFFILIATED SOCIETIES EVENTS

ASC – APU

On 7th December 2022, APU ASC hosted a physical industrial visit to PwC Malaysia. We truly appreciate Mr. Kent, Mr. Patrick, Mr. Faiz and Ms. Sapna from PwC Malaysia in providing us with informative sharing. The PwC representatives also brought the participants for office tour to look into PwC Malaysia's daily working environment and culture. We received many positive feedbacks from participants and thanks for their support throughout the session.



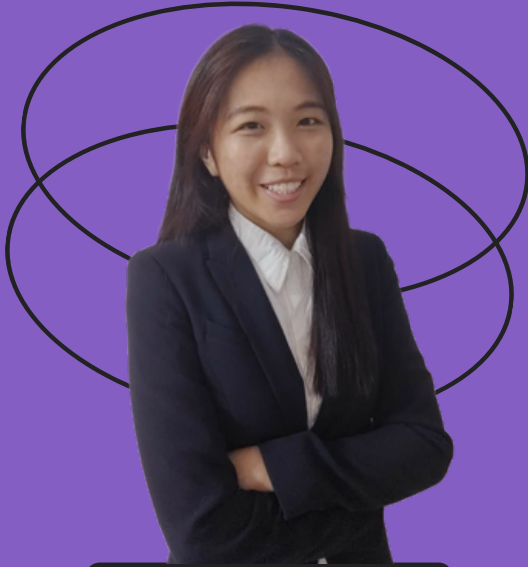
ASC – APU

On 1st October 2022, APU ASC conducted the first physical event since the Covid-19 pandemic, titled "Actuarial Academia Bonding Day". It was an ice-breaking event consisting of challenging and fun station games, in while participants can meet people from different intakes.

Many fun and memorable moments were captured during the session, and we believe that participants enjoyed their time with us.



MASA COMMITTEE APPRECIATION



HWAN NI

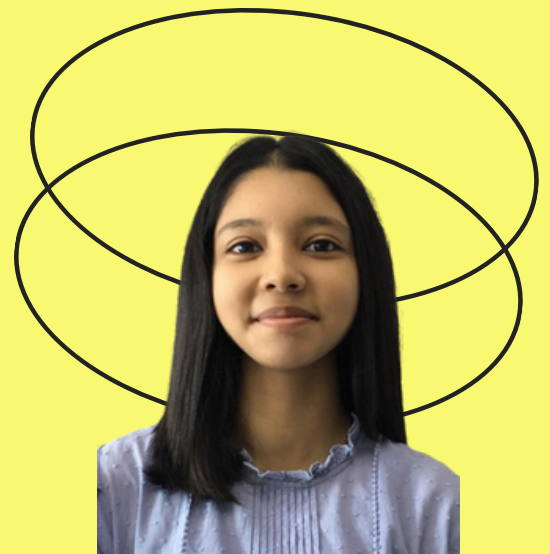
MASA is without a doubt one of the best professional platform to enhance one's self-development and networking. It's been my third year joining MASA, starting from being an executive of Operations, then elected as the Vice Chairperson of MASA Actuarialogy 2021 and finally promoted to the Vice President of Operations this year. It truly was a rewarding and unforgettable journey. Special thanks to my partner and executive of Operations who are always passionate and supportive in handling all the event tasks.

We are glad to serve actuarial student community by the successful execution of nine virtual events and one physical event this year. I am more than grateful to meet and work with a lot of like-minded teammates as well as learn from them. The ups and downs that I have gone through this wonderful journey has made my university life fruitful. I believe the support from every party will make MASA better and better, Cheers!



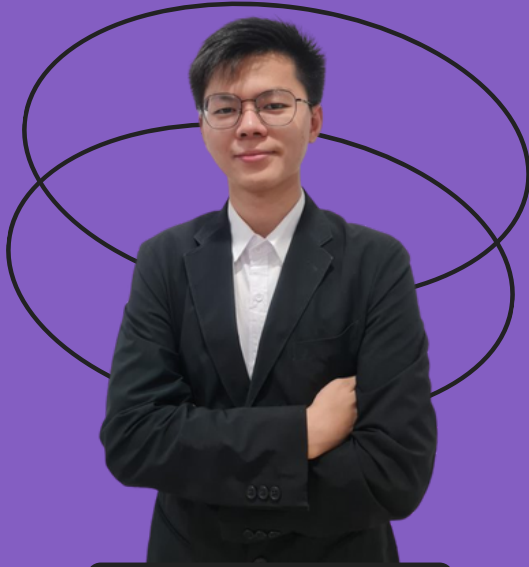
It's been almost a year now being in MASA and I mean it wholeheartedly when I say this one year has been everything and more. Though the actuarial club within my university has been great and active, MASA has taken it a little further with expanding that very experience with students from different parts of the nation and with successful industry professionals. Of course, being a committee comes with its perks, you get to know first-hand what are planned for the year while also experiencing and celebrating the milestones that you hit throughout the year.

Though its brand influence made it seem very stressful, it has been nothing short of a family. And though the family was big, it was a supportive one. My time in MASA was well guided by the President and my respective department leads. Constructive criticisms, warmth and words of affirmations are what were received constantly to cultivate a result-driven attitude. It certainly, made me learn, make mistakes, correct them while also making a ton of connection along the way. It's truly been an IMPACT THROUGH UNITY



PRIETHA

MASA COMMITTEE APPRECIATION



TERRANCE

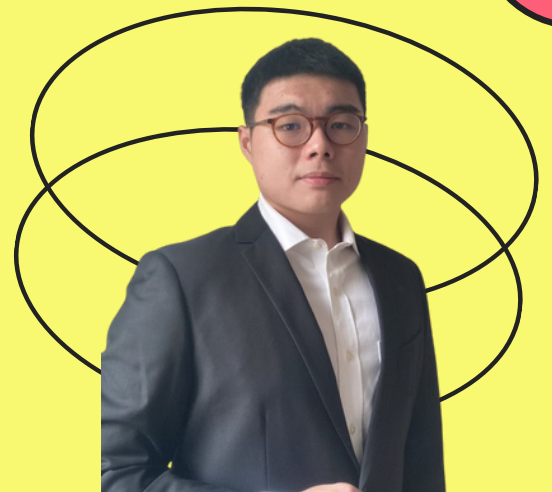
Given the current Covid-19 pandemic, I believe that most of us felt like previous months lasted a million years. However, it still strikes me how fast time has passed when our corporate relations head, Ven Vai, told us about our last meeting and how we will end the year with the final issue of the ActuaRead newsletter. December 2021 feels both like yesterday and 100 years ago, looking back on my journey in MASA, from getting to know MASA through the MASA's Back to College 1.0 webinar until being appointed as a Corporate Relations Executive under MASA, it has been an unbelievable year for a year 1 actuarial science student to experience.

2022 has not been smooth and easy, internal meetings, partnership meetings, scholarships proposals, ActuaReach newsletters, DataCamp Tournaments, outreaches proposals, it was quite challenging for all of us in the Corporate Relations as we had to effectively carry out everything despite communicating virtually.

I want to give a special thank you to everyone on the Corporate Relations team, without everyone in our team putting as much effort, I do not think that we will be standing where we are right now. I am proud to say that I am a member of the Corporate Relations team and a part of MASA. So I say to you, be part of us too.

To each of you reading this right now, do open your eyes wide because you are in a feast of informative contents of this issue of ActuaReach newsletter. Enjoy!

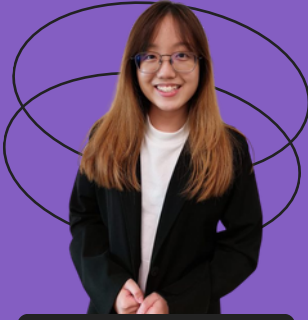
Joining MASA as an Executive of Operations was honestly of the best decisions I have made throughout my academic journey. Being attached to MASA, I have made countless friends, gained meaningful experiences, connected with helpful professionals, and created precious memories. I am truly honoured to be part of this association that strive to empower and inspire



JIA LUN



MASA COMMITTEE APPRECIATION

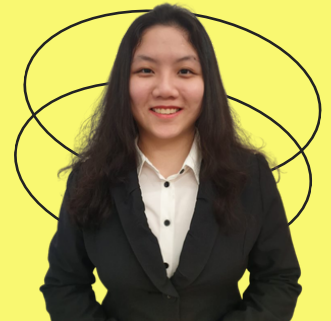


JOLEEN

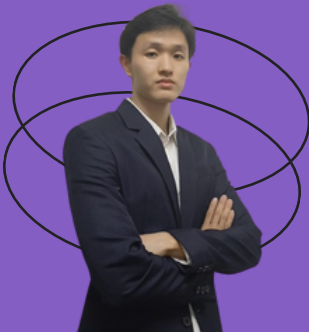
Thank you MASA for giving me the experience and opportunity to be part of the fam! Wish you guys all the best in your future endeavors!



I would like to extend a big thanks to all the committees of MASA 22/23 for putting in so much efforts and showing teamwork throughout the year. Also, special thanks to my VP, Xian Jin, for always being so understanding and supportive!



JOXIN



JIAXIAN

Hellooo, it's been a great year working with all of you. Learnt a lot of stuffs from everyone while gaining great friendships. Had a lot of fun too! Keep in touch and all the best for future endeavors yaa ✨❤

ACTUARIALLY HAPPENING

The environment in which actuaries operate could alter due to developments in artificial intelligence (AI) and machine learning. Some have predicted that actuaries won't be necessary for the insurance industry due to advances in deep learning. Through the use of examples from life insurance, claims reserving, mortality modelling, and telematics analysis, this study seeks to give an overview of AI in actuarial science. It adopts the viewpoint of Wüthrich and Buser, who want to help actuaries deal with the "high-tech" corporate world's new paradigm.

We give a quick overview of the main concepts because much of the jargon used in the machine and deep learning literature may be foreign to actuaries.



The study of machine learning algorithms enables computer programmes to automatically get better over time. Supervised, unsupervised, and reinforcement learning are the three main subfields of machine learning. Since it seeks to teach users how to make predictions at new data points, supervised learning is by far the method that actuaries are most familiar with. The use of machine learning to uncover structure in datasets with only features is known as unsupervised learning. Principle Component Analysis (PCA), which actuaries frequently use to generate interest rate risk scenarios, is an example of unsupervised learning. Other methods include k-means, self-organizing maps and t-distributed stochastic neighbour embedding (t-SNE). There are no examples of reinforcement learning used to solve actuarial problems, however, Parodi proposed using it in the context of insurance (2016). The goal of reinforcement learning is to teach an agent the best course of action to maximise a reward signal.

Deep learning is a modern approach to designing and customizing neural networks. Neural networks are currently enjoying a resurgence in popularity, but they are not a new concept. Neural network development can be divided into three phases: 1940-1960, 1980-1995, 2006-2015. A breakthrough in computer vision was due to his AlexNet architecture by Krizhevsky, Sutskever, and Hinton (2012). Further successes of deep networks are in the field of natural language processing (Wu, Schuster, Chen et al. 2016) and speech recognition (Hannun, Case, Casper 2014).

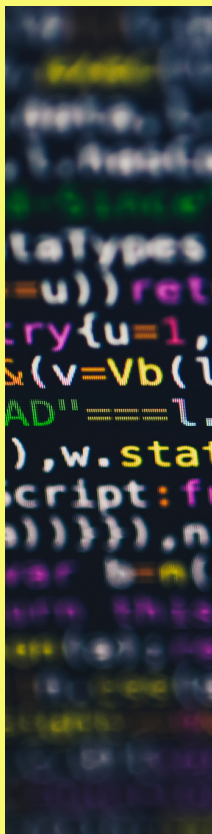
ACTUARIALLY HAPPENING

Deep learning is the latest development in artificial intelligence (AI) which allows systems to learn from data rather than hard-coding knowledge into knowledge bases. Representation literacy is a machine literacy approach that allows algorithms to design a set of features that are optimal for a particular task. Unsupervised representation literacy algorithms seek automatically to discover the factors of variation in the point vector X . They can be applied in both an unsupervised and supervised environment. The PCA and PLS styles just described calculating on fairly simple direct combinations of the input data. Deep literacy attempts to break the problem by constructing scales of complex features that are composed of simpler representations. This involves fitting a neural network composed of a hierarchy of point layers to the image dataset.



Neural networks are used to learn representations of data that can also be fed into an alternate neural network or another bracket algorithm. This is a step towards general artificial intelligence, in which machines parade the capability to learn intelligent behaviours without important mortal intervention.

This exploration has presented the major ideas of machine and deep literacy within the environment of actuarial wisdom and handed exemplifications of operations of deep neural networks to practical problems faced by actuaries in everyday practice. Several avenues of unborn exploration could be pursued. A clear set of standard models for actuarial problems could be established, therefore making a comparison of styles easier and further concrete. The prophetic performance of specific neural network infrastructures on actuarial problems should be delved into in detail and the connections to traditional actuarial styles, similar to credibility, could be made. Incipiently, the professional counteraccusations of these ways within the environment of original nonsupervisory surroundings should be considered.



SOME TIPS TO SPICE UP YOUR CV!



USE APPROPRIATE STRUCTURE & FORMAT

Choosing the proper style and format for your student CV is crucial before you begin writing it. This enhances legibility and provides your resume a professional appearance. Use easy-to-read typefaces on your resume by choosing straightforward styles.



BEGIN WITH A COMPELLING PURPOSE OR PERSONAL STATEMENT

Start with a strong personal statement that showcases your qualifications, accomplishments, and talents. Your CV personal statement should be two to three sentences long and should include a summary of your background, educational background, professional experience, goals, and contributions to the employer or job. Even if you lack work experience, you can still utilise this area to emphasise your relevant qualifications, community involvement, and academic achievements.



EXPAND YOUR WORK EXPERIENCE

You can still include volunteer work, placements, internships, and group activities in your CV even if you don't have any paid employment experience. Through these exercises, you can highlight your professional talents and exhibit your enthusiasm for the job.

Start with your most recent role in this area. Include all volunteer activities, internship experiences, and full- and part-time paid employment that is pertinent to the position. Each employment must list your name, the name of the employer, your job title, and the months and years you held the position.

Draw attention to the abilities, knowledge, and accomplishments you attained in each capacity in the section on your major duties. Only include duties that are pertinent to the position you're looking for, and provide numbers to support your successes. Additionally, confirm that your job history is complete and free of gaps.

GOOD LUCK!



Check out some of the actuarial-related internship opportunities in the next page!

[READ NOW](#)

RESEARCH THE JOB AND THE COMPANY

You can decide what education and talents to list on your CV by researching the company and the position. If you're applying for graduate school, review the program's prerequisites and the CVs of other applicants. To find out the common abilities companies prefer to see on your CV, you may also look at job descriptions in your field.

USE YOUR EDUCATION TO BE INNOVATIVE

Student resumes frequently lack considerable work experience. If you use your imagination, you can add more detail to the document by expanding the education section. Subjects that are relevant, courses, projects, awards, and grades are things you can provide if they will increase your chances of landing the job.

Reverse chronologically order your educational credentials, starting with the most recent. You can remove your high school diploma off your CV if you have a higher degree. Only include your GPA if it will increase your chances of landing the job; ideally, it should be between 3.5 and 4.0. If you have no prior work experience, start by mentioning your schooling.

ACTUARIAL INTERNSHIP OPPORTUNITIES

ACTUARIAL CONSULTING

Provide advice to clients on topics such as investments, insurance and pension-related decisions

Actuarial Consulting Companies in Malaysia:

- Nicholas Actuarial Solutions
- Actuarial Partners Consulting
- JPWall Consulting
- Ernst & Young



TAKAFUL

Provide actuarial analysis and services in an insurance system devised to comply with shariah laws

Takaful Companies in Malaysia:

- Etiqa
- FWD Takaful
- Great Eastern Takaful
- Hong Leong MSIG Takaful
- Takaful Malaysia



LIFE & GENERAL INSURANCE

Provide actuarial analysis and services in life & general insurance

Life & General Insurance Companies in Malaysia:

- AIA
- Great Eastern
- Prudential
- Allianz
- Zurich

REINSURANCE

Provide actuarial analysis and work in a field where one insurance company shares a percentage of their liability in exchange of a percentage of premium

Reinsurance Companies in Malaysia:

- RGA Malaysia
- MNRB
- Munich Reinsurance





BACK IN STOCK

Being stylish and comfortable with our new collection.

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Get a 50% discount after 2 purchases in our store.
The offer is up until next week. Get yours now!

[SHOP NOW](#)

CONTACT US

Send us your feedback!

We are concerned about your expectation. Feel free to contribute by submitting articles to us.



linktr.ee/actuaread.masa

Interested in becoming part of us? Wish to stay connected? Scan the QR code for more info!



linktr.ee/actuarialsa.malaysia

Stay connected with us!



More enquiries, drop us an email at general@masassociation.org

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Ying Hwan Ni	Operations

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