

MASA Hackathon: R-Volve

Overview

Malaysian Actuarial Student Association (MASA) is a national student representative body of Actuarial Science students in Malaysia, established to unite the Actuarial Science students across Malaysia and empower them to be the next generation of leaders. Our goal is to help all Actuarial Science students in Malaysia to build their technical capabilities, improve their industrial awareness and enable them to be actively involved in the actuarial industry.

With that being said, we are back with our annual hackathon in 2025, themed “MASA Hackathon: R-Volve”. This highly anticipated two-month event offers Actuarial Science students a unique opportunity to apply theoretical knowledge to real-world problems. With a focus on R programming, the hackathon combines workshop and presentation, both held physically at Sunway University. Participants will gain hands-on experience, enhance their analytical skills, and network with industry professionals. This event bridges the gap between academia and industry, fostering innovation and preparing participants for future challenges in the actuarial field.

Participants will work with a dataset from the insurance sector, including historical claims, underwriting data, and financial information. Through the workshop, they will learn key data preprocessing techniques using R, such as cleaning, transformation, and structuring. Armed with these skills, participants will utilize R to build predictive models, generate reports, and create visualizations that communicate their findings effectively. During the Grand Final, participants will present their solutions, supported by reliable external data, to a panel of judges.

Key Dates for MASA Hackathon: R-Volve

Release problem statement and dataset	4 th April 2025 (Friday)
Intent to Participate Form due	16 th April 2025 (Wednesday)
Hackathon Workshop and Briefing	19 th April 2025 (Saturday)
Entry Submission Form due	30 th April 2025 (Wednesday)
Finalists announced	23 rd May 2025 (Friday)
Hackathon Grand Final	31 st May 2025 (Saturday)

Itinerary for MASA Hackathon: Workshop and Briefing

Time	Agenda
12:00 PM	Registration
12:30 PM	Welcoming Speech by Emcee
12:45 PM	Workshop Session 1
2:15 PM	Break
2:30 PM	Workshop Session 2
4:00 PM	Q&A Session for Workshop
4:30 PM	Closing Remarks for Workshop
4:40 PM	Intermission
5:00 PM	Hackathon Briefing
5:40 PM	Q&A Session for Briefing
5:55 PM	Photo Session + Closing Remarks for Briefing

Itinerary for MASA Hackathon: Presentation (Grand Final)

Time	Agenda
12:00 PM	Registration + Promotional Booth
12:30 PM	Opening Ceremony
12:40 PM	TOA Presentation (Sponsors)
12:45 PM	Photo Session
12:50 PM	Presentation Session 1
2:05 PM	Break
2:35 PM	Presentation Session 2
3:50 PM	Buffer Time
4:00 PM	Judging Period + Panel Session
5:00 PM	TOA Presentation (Speakers & Judges)
5:15 PM	Prize-Giving Ceremony + Overall Comment from Judges