

Workshop 1

Big Data Analytics Workshop: Be a Big Data Hero with RapidMiner

Presenter: Giam Kai Yi
Analytics Specialist at Quandatics
Certified RapidMiner Analyst

Coordinator: Dr. Nor'ashikin Ali, UNITEN

Target Audience:

The target audience for this research workshop is academic researchers— faculty, postdoctoral students, graduate students, and other researchers— who are interested in exploiting “Big Data” techniques to further their insight into processes and structures.

Description:

Big Data is now red hot in every corner of the world. While the true potential of big data lies upon the ability of one to apply analytics, affordable and scalable ‘self-service’ modern analytics platforms have not been getting as much attention as they deserve. On top of data science expertise, conventional tools require extensive programming knowledge and/or very high cost for application deployment, especially when Hadoop is involved. With RapidMiner, users of different levels and background (e.g. data scientists, business analysts, engineers, academia) can easily harness the power of Big Data and contribute to their organizations in a very efficient manner. Join us in this workshop to discover how **ANYONE** can become a hero who could do it all when it comes to data – access, process, analyze, predict, up till reporting and deploying business applications.

The workshop course content:

Time	Topic
9:00 a.m. – 9:30 a.m.	Introduction to Modern Analytics <ul style="list-style-type: none">• Key Components of Big Data Analytics• Modern Analytics vs. Traditional Analytics• The Systematic Approach to Analytics
9:30 a.m. – 1:00 p.m.	RapidMiner Hands-On Case Study I – Churn Prevention <ul style="list-style-type: none">• CRISP-DM• Data Cleansing• Feature Generation• Supervised Learning• Model Tuning and Optimization
1:00 p.m. – 2:00 p.m.	Lunch Break

2:00 p.m. – 3:30 p.m.	RapidMiner Hands-On Case Study II – Sentiment Analysis <ul style="list-style-type: none"> • Text Processing Techniques
3:30 p.m. – 4:30 p.m.	General Sharing Session: Other Big Data Use Cases with RapidMiner Question & Answer Session



Giam Kai Yi

**Analytics Specialist at Quandatics
Certified RapidMiner Analyst**

Education Background

Giam graduated from The University of New South Wales, Australia, in 2010, with a Bachelor's Degree in Electrical Engineering.

Career Background

He started his career as an Electrical Engineer in P.J. Leong & Partners, an M&E building services consulting company, providing electrical consultation services to building developers. In 2013, on the path of career exploration, Giam then moved on to work as an Application Engineer in Techsource Systems, ASEAN's sole distributor of MATLAB and Simulink. As an application engineer, he specializes on areas of embedded systems such as computer vision and signal processing that involve embedded hardware, as well as areas of technical computing such as data analytics. In 2016, Giam has joined Quandatics, a company focusing on developing and providing advanced analytics solutions and services to clients across a wide range of industries. Giam is now working as an Analytics Specialist in Quandatics, working with the sales and technical team to develop advance analytics solutions and proof of concepts to clients.