



S3MLG001C

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**Machine Learning Course
(Level III)**

Kaggle Competition Training

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(10botics Limited)

Application Deadline
5 May 2022 12:00 noon

Result Release
16 May 2022

Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. Enhance students' understanding of Python, data science and machine learning
2. Identify data patterns and build models to make a prediction or decision in specified daily issues
3. Form a group of talents students to participate in Kaggle competitions



◆ Introduction

Kaggle is not only the global machine learning and data science competition platform but also an online community of data scientists and machine learning practitioners.

The course allows students to understand the theories and programming techniques in data science. Through different course objectives and learning activities, it strengthens students' knowledge and skills in data science, and practice in real life issues. After completing the course and a series of learning activities, they are able to acquire a Kaggle Learn Course Certificates, and they can participate in the Kaggle open competition.

◆ Target Participants

- S1 to S6 HKAGE student members only in 2021/22 school year
- Class size: 25

◆ Pre-requisite

Students should have:

- Good mathematics knowledge is preferred but not necessary

◆ Medium of Instruction

Cantonese with English Handouts

◆ Screening

Please answer the screening questions in the online application form.

*The screening questions are designed to help the applicant understands the course level and the course content. The questions must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the questions. Only students who can demonstrate motivation and the knowledge of machine learning in the screening questions can be enrolled in the programme

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 20 sessions; and
- completed all the assignments with satisfactory performance



◆ Schedule

Session	Date	Time	Venue	
1	4 Jun	9:00 a.m. – 11:00 a.m.	HKAGE G04	
2	4 Jun	11:00 a.m. – 1:00 p.m.		
3	11 Jun	9:00 a.m. – 11:00 a.m.		
4	11 Jun	11:00 a.m. – 1:00 p.m.		
5	18 Jun	9:00 a.m. – 11:00 a.m.		
6	18 Jun	11:00 a.m. – 1:00 p.m.		
7	22 Jun	4:00p.m. – 6:00 p.m.		Zoom
8	25 Jun	9:00 a.m. – 11:00 a.m.		HKAGE G04
9	25 Jun	11:00 a.m. – 1:00 p.m.		
10	2 Jul	9:00 a.m. – 11:00 a.m.		HKAGE G04 *Make-up class will be arranged
11	2 Jul	11:00 a.m. – 1:00 p.m.		
12	9 Jul	9:00 a.m. – 11:00 a.m.	HKAGE G04	
13	9 Jul	11:00 a.m. – 1:00 p.m.		
14	16 Jul	9:00 a.m. – 11:00 a.m.		
15	16 Jul	11:00 a.m. – 1:00 p.m.	HKAGE 403	
16	23 Jul	9:00 a.m. – 11:00 a.m.		
17	23 Jul	11:00 a.m. – 1:00 p.m.		
18	30 Jul	9:00 a.m. – 11:00 a.m.	HKAGE G04	
19	30 Jul	11:00 a.m. – 1:00 p.m.		
20	6 Aug	9:00 a.m. – 11:00 a.m.	HKAGE G04	
21	6 Aug	11:00 a.m. – 1:00 p.m.		
22	13 Aug	9:00 a.m. – 11:00 a.m.	HKAGE G04	
23	13 Aug	11:00 a.m. – 1:00 p.m.		
24	20 Aug	9:00 a.m. – 11:00 a.m.	HKAGE G04	
25	20 Aug	11:00 a.m. – 1:00 p.m.		
Make-up class	27 Aug	9:00 a.m. – 11:00 a.m. 11:00 a.m. – 1:00 p.m.	HKAGE 303	