



E1DAS001C

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Data Science Course (Level I)

# Reimagining Life & Work in the Era of AI and Big Data

Representatives from Preface



**Application Deadline**

**23 May 2022 12:00**

**noon**

**Result Release**

**30 May 2022**

## **Intended Learning Outcomes**

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

1. describe the fundamentals of big data, AI and their connection to programming through case sharing and real-life business applications;
2. create data science & AI projects by choosing appropriate programming tools ;
3. critically reflect the importance of the ethical concerns on Data Privacy and other issues related to AI and Data Science technologies.



## ◆ Introduction

This course is designed to introduce gifted students to the world of Data Science and Python. Through hands-on coding exercises, use case sharing and group discussion, students will learn about the fundamentals of Big Data, AI and their connection to programming, as well as to gain practical skills in python programming and simple data analysis. In the latter part of the program, we will guide students through a series of discussions on ethical concerns on Data Privacy plus the latest business application of Big Data.

## ◆ Schedule

Session	Date	Time	Venue
1	9 July	9:00 a.m. – 12:00 noon	
2	16 July	9:00 a.m. – 12:00 noon	TBC
3			
4	23 July	1:00 p.m. – 4:00 p.m.	
5			

## ◆ Target Participants

- P4 to P6 HKAGE student members only in 2021/22 school year
- Class size: 35

## ◆ Pre-requisite

No special prerequisites are needed

## ◆ Medium of Instruction

English with English Handouts

## ◆ Screening

Please answer the screening question in the online application form.

\*The screening question is designed to help the applicant understand the course level and the course content. The question 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 question. Only students who can demonstrate motivation and the knowledge of mathematics/probability in the screening question can be enrolled in the programme

## ◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 4 sessions; and
- completed all the assignments with satisfactory performance