香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education
香 港 特 別 行 政 區 政 府 教 育 局 資 助
Subvented by the Education Bureau, the Government of the HKSAR

Learn about Gigi & Yoyo

E2DAS001C
(Token- required)

[Gifted Programme]

Data Science Course (Level II)

Unlocking the Power of Data

Representatives from Bytewise Coding Limited

**Application Deadline
3 Feb 2025 12:00 noon**

**Result Release
14 Feb 2025**

Intended Learning Outcomes

Upon completion of the gifted programme, gifted students should be able to:

1. analyze raw data and draw individual conclusions from it;
2. provide visual representations of the analyzed data;
3. apply various data analysis tools (e.g. Python, Pandas) to complete daily life tasks;
4. recognize how data analysis impacts daily life and influences personal and community decisions.

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

◆ Gifted Programme Introduction

This course will cover the fundamentals of data science, and do a deep dive on how to import, process, analyze and display a variety of data analysis techniques. By the end of the course, students will be able to apply the data analysis techniques to a data set of their own choice, and provide visual graphics to show their results.

◆ Schedule

Session	Date	Time	Venue
1	15 Mar		
2	22 Mar		
3	29 Mar	1:00 p.m. – 4:00 p.m.	Buddhist Kok Kwong Secondary School Sha Kok Estate, Shatin, N.T., Hong Kong ([Map](#))
4	5 Apr		
5	12 Apr		
6	26 Apr		

*Remark: Students **MUST** bring your own tablet or laptop to the class.

◆ Suitable for

- S1 – S3 HKAGE student members in 2024/25 school year.
- Class size: 30

◆ Pre-requisite

Students are expected to have some prior experience in coding.

◆ Screening

Please answer the screening question in the online application form.

*The screening question is designed to help the applicant understands 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

◆ Medium of Instruction

English with English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended 4 sessions; AND
- completed all the assignments with satisfactory performance

◆ Enquiries   📞 3940 0101   ✉ programme@hkage.org.hk