E1DAS001W

(Token- required)

Data Science Workshop (Level I)

Unlocking Data Secrets with Python

Prof Yu Leung Ho Philip

Department of Mathematics and Information Technology
The Education University of Hong Kong

**Application Deadline
7 Mar 2022 12:00 n.n**

Intended Learning Outcomes

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

1. Explain the popular data visualization and modeling techniques;

2. Apply the data visualization and modeling techniques in learning STEM;

3. Write simple programs with Python;

4. Discuss ethical issues in data science exploration and application

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

◆ Introduction

"Data is a precious thing and will last longer than the systems themselves."
– Tim Berners-Lee, inventor of the World Wide Web

"Without big data analytics, companies are blind and deaf, wandering out onto the web like deer on a freeway."
– Geoffrey Moore, an American organizational theorist, management consultant and author

In collaboration with The Education University of Hong Kong (EdUHK), the Talent Development Division will offer two workshops in April 2022 to promote data literacy and STEM learning and arouse students' interest in data mining and STEM Education.

Prof YU Leung Ho, Philip from Department of Mathematics and Information Technology, EdUHK will deliver a data science workshop on understanding data secrets with python. This workshop will introduce popular data visualization and modeling techniques with hands-on STEM activities and python projects.

◆ Schedule

Session	Date	Time	Venue
1	12 Apr	9:30 a.m. – 12:30 p.m.	Zoom Meeting

◆ Target Participants

- S1 – S6 HKAGE student members only
- Class size: 30

* First-come-first-served

◆ Pre-requisite

Basic programming skill is preferable.

◆ Medium of Instruction

Cantonese with English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

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

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