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Data Science Workshop (Level I)

Data Mining in STEM Education

Prof Yu Leung Ho Philip and other instructors

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. describe STEM applications in which data mining techniques are applied in practice;
2. discuss the data mining applications with the invited speaker project presentation session;
3. evaluate the project presentation and cast votes for the innovative Data Mining and STEM Education Awards;
4. discuss ethical issues in data science exploration and application.



◆ Introduction

Have you heard and learnt Data Mining at school? How do you learn Data Mining at school? How does your school teacher teach Data Mining?

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. Groups of student teachers taking a Master course on Data Mining and STEM Education offered by the Master of Arts in Mathematics and Pedagogy and the Master of Science in Artificial Intelligence and Educational Technology of the EdUHK have designed STEM activities to tackle real-life problems by applying data mining techniques. In the workshop, each group of student teachers will demonstrate a short STEM lesson to you and as a participant, you will get to vote and give comments to the student teachers.

The workshop is under collaboration with The Education University of Hong Kong.

◆ Schedule

Session	Date	Time	Venue
1	23 Apr	10:00 a.m. – 12:00 noon	Zoom Meeting

◆ Target Participants

- S1 – S6 HKAGE student members only
 - Class size: 100
- * First-come-first-served.

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

English with English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

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