



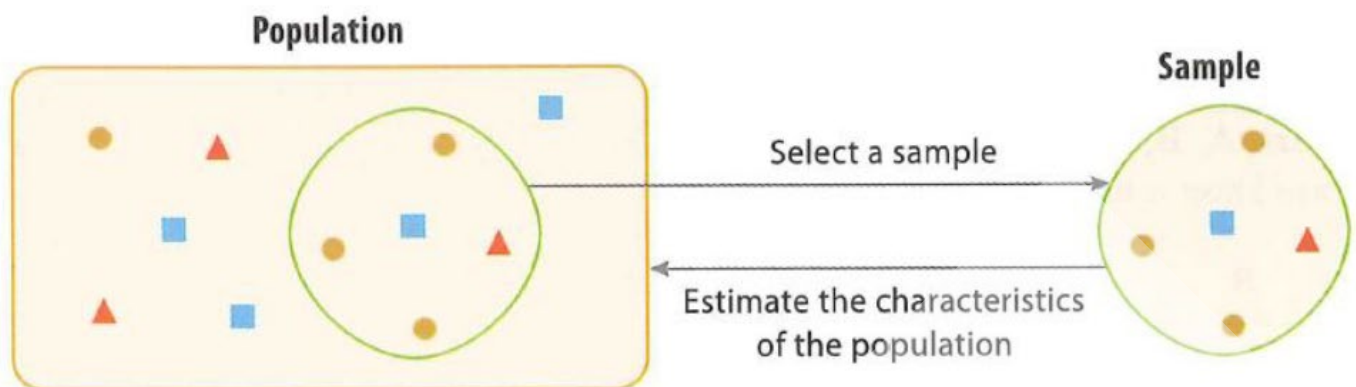
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Discrete Math, Probability, Statistics Course (Level I): Perspectives on Junior Secondary Mathematics – Statistics

Mr Alfred Yeung Sai Kit

Head of Mathematics of Tai Kwong Hilary College



Application Deadline
6 Nov 2023 12:00 noon

Result Release
17 Nov 2023

Intended Learning Outcomes

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

1. manipulate the organization and representation of data;
2. demonstrate a good understanding in analysis and interpretation of data;
3. demonstrate logical thinking skills to identify the proper uses and misuses of statistics;
4. exhibit good attitude and ethical use of statistics when using statistical data in the era of "Big Data".

◆ Introduction

Do you want to acquire advanced mathematics knowledge step by step?

Mathematics knowledge is built on foundation. This programme teaches students the important statistical knowledge at the junior secondary level in a succinct way to equip them with the basic knowledge required for learning mathematics at an advanced level. It enables participants to learn mathematics at higher levels according to their own interests and abilities, and discover the joy of learning mathematics.

This is one of the programmes in the Subject Core Series which is comprised of four level I programmes. They are namely: Numbers, Algebra, Geometry, and Statistics.

This programme is under the collaboration of HKAGE and Tai Kwong Hilary College.

◆ Schedule

Session	Date	Time	Venue
1	17 Feb 2024	9:30 a.m. – 12:30 p.m.	Room 203, HKAGE
2	24 Feb 2024		Room 203, HKAGE
3	2 Mar 2024		HKAGE
4	9 Mar 2024		Classroom 27, 2/F, Buddhist Kok Kwong Secondary School

◆ Target Participants

- P4 – P6 HKAGE student members in 2023/24 school year
- Class size: 30

◆ Pre-requisite

Students should have basic knowledge in

- four fundamental operations of arithmetic;
- use of statistics and simple statistical diagrams.

◆ 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 understand the course level and the course content. The questions must be answered by the student applicant and it can only be attempted once. The answers 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 knowledge of statistics in the screening questions can be enrolled in the programme.

◆ Certificate

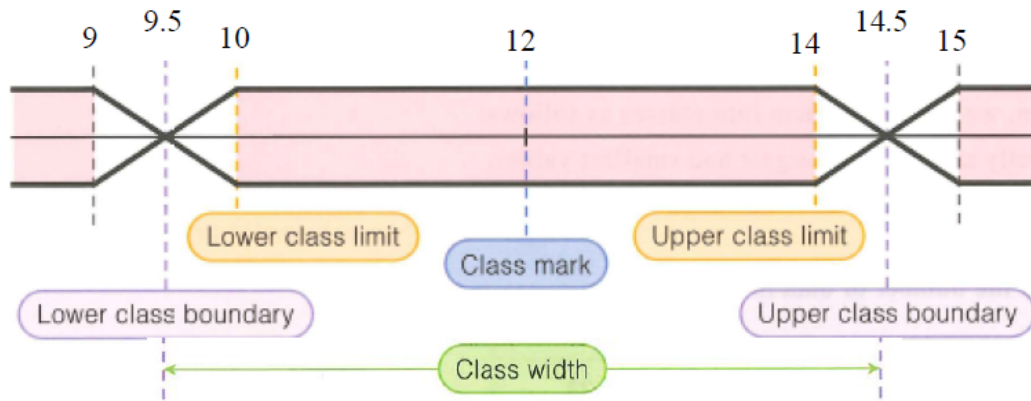
E-Certificate will be awarded to participants who have:

- attended at least 3 sessions; and
- completed all the assignments with satisfactory performance.

◆ Sample Notes

Important Concepts about Classes

There are 8 classes in Example 5, each class can be expressed as a class interval.



- The end values of each class interval are called class limits of that interval.
- For two consecutive class intervals, the mid-point of between two adjacent class limits is called the class boundary between the two class intervals.
- The mid-point of each class interval is called the class mark of the interval.