

Introduction to Statistics 統計學入門

GES9008 / HS 27-015-24 (21)

Application Code: 2050-1012NW

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Highlights

This course is designed to provide elementary concepts on probability, interval estimation and hypothesis testing and should be useful for those who wish to acquire basic statistical techniques for application in science and business and for those preparing for various examinations.

Course Details

This is a 20-hour course comprises:

- Probabilities and conditional probability;
- Bayes' theorem;
- Permutation and combination counting techniques;
- Mathematical expectation;
- Discrete and continuous distributions (binomial, Poisson, geometric, hypergeometric, normal, t and χ^2);
- Sampling and sampling distributions for sample mean and difference between two sample means;
- Confidence interval;
- Hypothesis testing for mean, difference between two means and proportion;
- Chi-square goodness of fit test and test for independence with a contingency table;
- Linear regression

Course Pre-requisite

Normally we expect applicants to possess a knowledge of basic Mathematics (e.g. AS level Mathematics)

Tutor	:	Dr Raymond Wong
Course Start Date	:	14 October 2022 (Every Friday) – tentative
Course Time	:	7:15 pm – 9:45 pm
Course Duration	:	8 meetings
Course Fee	:	\$3,100
Medium of Instruction	:	English (supplemented with Cantonese)
Venue	:	Fortress Tower Learning Centre (to be confirmed) Fortress Tower, 250 King's Road, North Point, Hong Kong (Exit B, Fortress Hill MTR Station)
Application Deadline	:	21 September 2022

Enrolment Methods

1. Complete the "Application For Enrolment Form SF 26" and return with the fee paid by a crossed cheque payable to "HKU SPACE" to College of Life Sciences and Technology, HKU SPACE, 13/F, Fortress Tower, 250 King's Road, North Point, HK (Attn: Ms Winnie Choi).
2. Bring the completed form, together with the course fee and any required supporting documents to any of the HKU SPACE Enrolment Centres.
3. Use the 24-hour Online Enrolment Service at <https://hkuspace.hku.hk/prog/introduction-to-statistics>.

15 August 2022