Admission Requirements

- Applicants shall hold a Bachelor’s degree or an equivalent qualification.
- Applicants shall have taken at least one university or postsecondary certificate course in each of the following three subjects (calculus and algebra, computer programming and introductory statistics) or related areas.
- Applicants shall fulfill the University Entrance Requirements.

Programme Director

Dr Marius Hofert

Tel: (852) 3917 4152    Email: mdasc@hku.hk

Department of Statistics & Actuarial Science

STAFF LIST

Dr T J Boonen

BSc, MSc, PhD, Young
Actuarial Science, Capital Allocation, Game Theory, Insurance Economics, Optimal Reinsurance, Longevity Risk Modelling, Risk Sharing

Dr Y Chen

BS, Master’s, PhD, Philosophy
Machine Learning; Learning Theory; High-dimensional Data Analysis; Optimization

Professor K C Cheung

Econometrics; Risk Management; Financial Economics; Financial Engineering

Dr O T K Choi

BS, MSc, PhD, GEM
High Frequency Data Analysis; Market Microstructure; Analysis of Dually Listed Companies across Different Regions

Dr L F C Feng

BS, Bachelor’s, PhD, Rutgers
Statistical Machine Learning; Image Data Analysis; High-dimensional Statistics; Deep Learning

Dr E C H Feng

BSc, Master’s, PhD, Columbia
Bayesian Inference, Bayesian Nonparametrics; Model Selection; Causal Inference

Dr Y Gu

BS, MSc, PhD, Aarhus, Copenhagen, University of Copenhagen
Survival Analysis; Non and Semi-parametric Inference; Biostatistics: Alzheimer’s Disease, Infectious Disease, Cancer

Dr K Han

PhD, HK
Computer Vision; Machine Learning; Deep Learning

Dr M Hofert

BS, Bachelor’s, St. Gallen, Switzerland; PhD, UC, San Diego
Dependence Modelling; Computational Statistics; Data Science; Quantitative Risk Management

Dr C W Kuan

BS, PhD, HK
Industrial Observables; Multivariate Statistics; Non-linear Predictive Models; Statistical Learning

Dr E K F Lam

BA, Thomas More College; PhD, HK
Survival Analysis; Biostatistics; Public Health Analysis; Analytical Epidemiology

Dr A M Lau

BS, City; MS, PhD, HK
Social Media and Big Data Analytics; Artificial Intelligence and Business/Health Informatics; Video Analytics, AI, and Metaverse; Risk Management and Business Intelligence; Machine Learning

Dr K P Wat

BS, McGill; MSc, PhD, HK
Random Matrix Theory; Time Series Analysis; High-dimensional Data Analysis

Dr W Y Li

BS, BSc, MSc, SJTU, PhD, Aarhus
Actuarial Science, Insurance Mathematics, Mathematical Finance

Dr L Feng

BS, PhD, HK
Real Options Theory and Applications; Resource Economics; Quantitative Trading; Quantum Computing; Blockchain and Smart Contracts

Professor G D Li

BS, MSc, PhD, HK
Time Series Analysis; Financial Econometrics; Quantile Regression; High Dimensional Data Analysis; Machine Learning

Enquiries:

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Clearing Round: 12:00 noon (GMT +8), January 8, 2024

Main Round: 12:00 noon (GMT +8), November 20, 2023

https://admissions.hku.hk/tpg/

https://www.scifac.hku.hk/pg/prospective/tpg
Preparatory course in Python provides a preparatory course in matrices and calculus for students who need to rejuvenate their support for their studies. An allowance of HK$10,000 will be provided to students who need to take preparatory courses in either Chinese or English.

Belt and Road Scholarship in Data Science* This scholarship is awarded annually to MDASC students on the basis of academic achievement.

Multiple Lifelong Learning Prizes in Data Science* The following courses have been included in the list of reimbursable courses under Reimbursable Course(s) by Continuing Education Fund (CEF)#: All CEF applicants are required to attend at least 70% of the concerned courses before they are eligible for fee reimbursement under the CEF.

Scholarships and Awards

Entrance Scholarship for Master of Data Science* Entrance scholarship for Master of Data Science of HK$30,000 will be offered annually to new MDASC students on the basis of academic merit and that they need financial assistance.

Master of Data Science Outstanding Performance Award* One scholarship of HK$50,000 will be awarded annually to MDASC student on the basis of academic merit and quality of coursework.

Lifelong Learning Prizes in Data Science* Multiple Lifelong Learning Prizes in Data Science, each from HK$5,000 to HK$10,000, will be awarded to MDASC students on the basis of academic achievement.

Belts Road Scholarship in Statistics and Data Science (Taught Postgraduate)* This scholarship is awarded annually to outstanding new students from participating Belt and Road countries. Composition fees of MDASC student on the basis of academic achievement.

Graduates' Career Prospects in Recent Years

As a trader in financial industry, I need to deeply interact with data in my daily tasks. The MDASC programme provides a comprehensive and flexible curriculum, which benefits me a lot in many aspects. Data visualization helps me to extract key insights from millions of financial data more simply and clearly. Machine learning enables me to explore automated algorithmic trading techniques. Statistical inference and models give me the ability to capture hidden trading opportunities from data. Furthermore, after taking the program, I can have more interdisciplinary knowledge and skills related to Data Science and Artificial Intelligence.