

**THE UNIVERSITY OF HONG KONG
DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE**

HKU Courses with RSS Quality Mark

Master of Data Science (MDASC)

Compulsory
COMP7404 Computational intelligence and machine learning
DASC7011 Statistical inference for data science
DASC7606 Deep learning
STAT7102 Advanced statistical modelling
STAT8003 Time series forecasting
Electives (list A)
COMP7107 Management of complex data types
COMP7409 Machine learning in trading and finance
COMP7507 Visualisation and visual analytics
FITE7410 Financial fraud analytics
ICOM6044 Data science for business
Electives (list B)
STAT6008 Advanced statistical inference
STAT6013 Financial data analysis
STAT6015 Advanced quantitative risk management
STAT6016 Spatial data analysis
STAT7008 Programming for data science
STAT8017 Data mining techniques
STAT8019 Marketing analytics
STAT8306 Statistical methods for network data
STAT8307 Natural language processing and text analytics
Capstone
DASC7600 Data science project