

## HKMA – Research Department

The Research Department (RD) conducts research and analyses on economic and financial market developments in Hong Kong and other economies. As part of the HKMA's Digitalisation Programme, RD has set up a project team to build a big data research platform with the essential toolkits to: (i) support the automation of data management processes and the production of statistical analyses; and (ii) enable the use of data science techniques in economic and financial market research. The project team also collaborates with the economists in RD to conduct research using machine learning / big data techniques, and develop automated dashboards to disseminate the results.

**Name of Department(s) offering internship positions:**  
Research Department (Economic Research Division)

**Internship Duration:** 12 months

**Internship Period:** June 2023 – May 2024

### Intern's Job Description

#### Job Duties:

- Contribute to the next generation of the Research Department's Big Data platform with a focus on:
  - front-to-back automation of visualisations and economic analyses
  - collection of huge volume of both structured and unstructured data, using Python
  - effective dissemination of research outcomes in a cutting-edge way
- Assist economists and data scientists in conducting economic research using machine learning/big data techniques

#### Requirements:

- (A) Education Background:
  - Undergraduate students or postgraduate students
- (B) Discipline Preferred:
  - Economics, Finance, Statistics, Data Science, Computer Science or other quantitative subjects
- (C) Technical Skills:
  - Familiar with analytical and data visualisation tools (such as Tableau, R and Python)
- (D) Language Proficiency:
  - Good command of both written and spoken English and Chinese
- (E) Others:
  - Basic knowledge in Economics and Finance an advantage
  - Good interpersonal skills with ability to prioritise, multitask and follow established procedures to attain positive results