Ke-Cheng Hsu (Clio)
Ph.D. Candidate, Department of Economics, HKUST
(852) 6840 9753 | khsu@connect.ust.hk
cliohsu1997.github.io | github.com/cliohsu1997

November 10, 2026

Hiring Team
Bank for International Settlements — EFMAP, Hong Kong
Re: Data Scientist / Research Analyst (JR100491)

Dear Hiring Team,

I am writing to apply for the Data Scientist / Research Analyst role in the Economics and Financial Markets for Asia and the Pacific (EFMAP) unit (JR100491). I am a Ph.D. candidate in Economics at HKUST (expected June 2027; I can finish earlier if preferred), with an MPhil in Economics from the same university. I am a Hong Kong permanent resident, a native Mandarin speaker, and professionally fluent in English. I am drawn to this role because it sits at the intersection of economics, data, and technology: supporting economists with careful analysis and clear written materials for publications, research papers, and senior presentations.

That is close to how I already work. In my job market paper on Taobao apparel return policy, I collect and clean large transaction data, check quality as I link orders, prices, insurance, and returns, estimate a structural model, and turn results into figures and short reports under fixed deadlines. With Professors Kohei Kawaguchi and Kei Kawai, I build and maintain analysis-ready panels from Japanese bookstore point-of-sale records (tens of billions of records across more than 1,000 stores), merge them with scraped product attributes, and compare competing models. Earlier, as a research assistant at National Taiwan University, I built a MATLAB model of a bank crisis on an interbank lending network and studied when a regulator's no-bailout threat is credible—work that sits close to the BIS interest in financial stability. Across these projects I use Python, R, Stata, and C++ on SLURM and AWS, and I am used to explaining technical results to non-specialist audiences as a lecturer and teaching assistant.

I work well in multicultural teams, pick up new topics and tools quickly, and am based in Hong Kong. I am applying for this research-support role deliberately: I want to put my data skills to work on policy-relevant, central-bank questions rather than stay in academia, and the EFMAP unit is where I can learn the monetary and financial-markets side most directly. After building that familiarity, I would be glad to take on more responsibility and move toward an economist role within the team. I have attached my CV and this cover letter. Thank you for your consideration.

Sincerely,

Ke-Cheng Hsu (Clio)