Department of Economics
The Chinese University of Hong Kong
香港中文大學經濟學系

AI FOR ECONOMIC RESEARCH

Dynamic Models, Language, and Agents

explores how modern AI tools transform economic research, spanning six modules on foundations, machine learning, deep learning for dynamic models, reinforcement learning, LLMs, and agentic workflows. The course emphasizes a shift in the economist's role toward algorithm design and validation as AI automates code implementation.
All course labs utilize CPU-friendly Jupyter notebooks accessible via GitHub Codespaces or local machines, ensuring no specialized hardware is required.

TAUGHT BY

Prof. Zhigang FENG
University of Nebraska-Omaha

VENUE

Room 916,
Esther Lee Buiding, CUHK

CLASS MEETINGS

Tue, October 13
- Module 1 — Foundations (9:30 - 12:30)
- Module 2 — ML Essentials (14:30 - 17:30)

Thu, October 15
- Module 3 — Deep Learning for Macro (9:30 - 12:30)

Fri, October 16
- Module 4 — RL & Heterogeneous Agents (9:30 - 12:30)

Tue, October 20
- Module 5 — LLMs & Text (9:30 - 12:30)

Thu, October 22
- Module 6 — Agentic AI & Case Studies (9:30 - 12:30)

Scan to register

For more course details