Derek Baker

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Profile

Former philosophy professor with 13 years' teaching and research experience, transitioning to the world of data science. Looking to apply my strong problem-solving and communication skills to complex, real-world puzzles.

Coding competencies

- Python 3
- Pandas
- NumPy

- Matplotlib and Seaborn
- scikit-learn
- SciPy.stats

- SQL
- statsmodels (familiarity)
- R (basic familiarity)

Summary of Additional Qualifications

- Strong written communication skills for informational, instructional, persuasive purposes.
- Excellent public speaking and presentation development.
- History of completing independent and collaborative research at a high level.
- Excellent time management and organizational skills.

Experience

Lingnan University, Hong Kong SAR

- Honorary Associate Professor (*part time*)   July 2022 - present
- Associate Professor   Aug. 2015 – July 2022
- Assistant Professor   Aug 2009 – Aug 2015

   Taught 13 years at a liberal arts university in Hong Kong, progressing from assistant professor to associate professor. Awarded tenure in 2016. Upon leaving Hong Kong to return to California, was offered honorary position to continue remote supervision of graduate student research.

Selected Accomplishments:
- Successfully applied for three research grants, and published 17 papers, with multiple papers in elite journals (see derek-baker.com/research to see my publications).
- Associate Editor for *Australasian Journal of Philosophy* (one of 10 most prestigious journals in the field)
- Designed new courses and played a major role in redesigning the department's curriculum.
- Supervised postgraduate and undergraduate research projects.
- Supervised instructors teaching the university's introductory ethics course.
- Primary author of the 2020 five-year review of the department's teaching impact.

Education

PhD in Philosophy, Princeton University   July 2009
BA Philosophy (with honors), UC Berkeley   May 2002

Numerous Online Certificates, including:
- Applied Data Science with Python (University of Michigan – Coursera)
- Data Science Foundations: Statistical Inference (University of Colorado, Boulder – Coursera)
- Mathematics for Machine Learning (Imperial College London – Coursera)
- Data Analysis with SQL (Codecademy)