Darwin Yang

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Princeton University
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Graduate Studies

Princeton University *2021-present*

PhD Candidate in Economics
Expected Completion Date: June 2027

References

Professor Bo Honoré	Professor Kevin Dano
Department of Economics	Department of Economics
Princeton University	Princeton University
609-258-4014	-
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Professor Michal Kolesár
Department of Economics
Princeton University
609-258-6726
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Prior Education

Harvard University *2015-2019*

A.B. in Economics

Research Interests

Panel Data Econometrics, Microeconometrics

Job Market Paper

"Moment Inequalities in Regressions with Incompletely Observed Covariates." 2026.

In economic applications with missing or set-valued data, standard assumptions like missing-at-random are untestable and often difficult to justify. In this paper, I study identification in mean regression models with incomplete covariate data under "worst-case" conditions: the process determining observability is unknown and unrestricted. To make progress, I develop a new methodology inspired by the panel literature. I represent model features with minimal assumptions as unobserved heterogeneity, and I then target a minimal collection of functions which have non-negative expectations with respect to the heterogeneity. This approach turns out to be tractable, and I obtain conditional moment inequalities which completely characterize identification in the incomplete data models. The method is also versatile; I illustrate how it can be used in other settings. Finally, numerical exercises demonstrate the identification potential of the derived moment inequalities, as well as their feasibility for use in environments which are close to empirical practice.

Work in Progress

1. "A Moment Problem Approach to Semiparametric Discrete Outcome Panel Models with Fixed Effects." 2026.
2. "Fixed Effect Functions and Structural Dynamics in Panel Logit Models." 2026.

Research Experience

2022, 2023 Research Assistant to Prof. Bo Honoré

Teaching

Princeton ECO 300: Microeconomic Theory (TA, Fall 2024, Spring 2025, Fall 2025)

ECO 517: Econometric Theory I (TA, Fall 2023)

Professional Activities

Refereeing

Journal of Econometrics

Honors, Scholarships, Fellowships, and Grants

Princeton University Graduate Fellowship *2021–2026*

Work Experience

Research Associate, Harvard Business School *2019–2021*

Last updated: November 2026