MICHAEL JETSUPPHASUK

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EDUCATION

University of North Carolina at Chapel Hill *Aug. 2020 - Present*
PhD candidate in Biostatistics (4th year)
Dissertation advisors: Didong Li and Michael G. Hudgens
Expected completion date: May 2025

University of California, Berkeley *Aug. 2014 - Aug. 2018*
B.A. in Statistics
B.A. in Economics

PUBLICATIONS

Jetsupphasuk M, Hudgens MG, Lu H, Cole SR, Edwards JK, Adimora AA, Althoff KN, Silverberg MJ, Rebeiro PF, Lima VD, Marconi VC, Sterling TR, Horberg MA, Gill MJ, Kitahata MM, Moore RD, Lang R, Gebo K, Rabkin C, Eron JJ. Optimizing Treatment for Human Immunodeficiency Virus to Improve Clinical Outcomes Using Precision Medicine. *American Journal of Epidemiology*. 2023 Aug 4;192(8):1341-1349. doi: 10.1093/aje/kwad057.

Jetsupphasuk M, Hudgens MG, Edwards JK, Cole SR. Finite sample performance of optimal treatment rule estimators with right-censored outcomes. 2024. *arXiv*. `https://arxiv.org/abs/2401.03084`

Kowitt S, Clark SA, Glaser O, **Jetsupphasuk M**, Jarman KL, Goldstein AO, Thrasher JF, Ranney LM, Ross JC. Cigar and cannabis co-marketing: impact on product perceptions among youth. 2024. *Submitted*.

WORK EXPERIENCE

Graduate Research Assistant (UNC Chapel Hill, Family Medicine) *Aug. 2023 - present*

- Advisor: Dr. Leah Ranney, Department of Family Medicine.
- Performed data analysis of experiments comparing effectiveness of warnings on cigarillos and little cigars among youth and young adults using (generalized) linear (mixed) models in SAS.
- Providing support in developing a forthcoming longitudinal randomized control trial using survey experiments.

Graduate Research Assistant (UNC Chapel Hill, Biostatistics) *Aug. 2020 - Jul. 2023*

- Advisor: Dr. Michael G. Hudgens, Department of Biostatistics.
- First-authored published paper using precision medicine to estimate optimal dynamic treatment rules to optimize survival probability of clinical outcomes among patients living with HIV.
- First-authored paper in progress on comparing estimators of optimal dynamic treatment rules for right-censored outcomes using simulations.
- Performed descriptive analysis and data management for Return to Campus COVID-19 Assessment for UNC Research Personnel (ReCCAP) study.
- Supported data management for My Body My Test study (cervical cancer study).
- Analyzed associations between sexually transmitted infections among female sex workers in Nairobi, Kenya.

Full-time Research Assistant (Harvard Medical School) *Sep. 2018 - Jul. 2020*

- Advisor: Dr. Nicole Maestas, Department of Health Care Policy (economics).
- Contributed to design of survey to collect data on medical conditions, work capacity, and labor outcomes. Performed preliminary exploratory analyses using R and Stata, included descriptive statistics, regression modeling, and visualization of results in technical briefs for advisor and collaborators.
- Performed a descriptive analysis of hostility in the workplace, including describing the persistence of hostile experiences and its relationship with labor and health outcomes. Produced a technical report for advisor and collaborators using R Markdown.
- Co-wrote an article on tapping latent work capacity in the context of population ageing: "What do older workers want?" in *Live Long and Prosper? The Economics of Ageing Populations.*
- Reproduced and replicated advisor's and collaborators' previous work.

TEACHING

Teaching assistant for Principles of Experimental Analysis (BIOS 645) *Spring 2023*

- Second course in a biostatistics sequence for MPH students on fundamentals of statistical analysis.
- Assisted students with SAS and reviewing course material.

SERVICE

Biostatistics Student Association Workshop Chair. *2023-present*

Mentor for "Mentorship and Advice for Prospective Students"program. *2022-present*

Reviewer for *American Journal of Epidemiology.*

Participant in several panels for prospective students.

AWARDS

T32 Training Grant, National Institute of Environmental Health Sciences (T32ES007018) *2023-present*

Gillings Merit Award (Biostatistics) *2020-21*

Rose Hills Foundation Science & Engineering Scholarship (Berkeley Undergraduate Scholarship Program) *2016-18*

SKILLS AND COURSEWORK

Programming languages	R, Python, Stata, SAS, SQL
Misc. tools	Git, LaTeX, Tableau, Microsoft Office
Relevant coursework	Bayesian statistics, computational biology, precision medicine, longitudinal data analysis, survival analysis, statistical computing, generalized linear models, probability and statistical inference