

BENJAMIN T. SKINNER

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EMPLOYMENT

2017 - present Research Assistant Professor of Education, University of Virginia

AFFILIATIONS

2017 - present Affiliate, Center for Education Policy and Workforce Competitiveness
(EdPolicyWorks), UVA

EDUCATION

2017	Leadership and Policy Studies, Vanderbilt University	Ph.D.
2008	Humanities, University of Chicago	M.A.
2006	Music and English, Vanderbilt University	B.Mus.

RESEARCH INTERESTS

Data science/statistical computing; Bayesian methods; spatial analysis; data visualization; open source data analysis software; education policy; community colleges and open access universities; college access

PUBLICATIONS

Peer reviewed

- Skinner, B. T. (2018). Choosing college in the 2000s: An updated analysis using the conditional logistic choice model. *Research in Higher Education*, 1–31
- Doyle, W. R., & Skinner, B. T. (2017). Does postsecondary education result in civic benefits? *The Journal of Higher Education*, 88(6), 863–893
- Doyle, W. R., & Skinner, B. T. (2016). Estimating the education-earnings equation using geographic variation. *Economics of Education Review*, 53, 254–267
- Heyneman, S. P., & Skinner, B. T. (2014). The Bologna Process in the countries of the former Soviet Union: An outsider's perspective. *Journal of the European Higher Education Area*, 01/2014

Analyst

Institute for Research on Higher Education. (2016). *College affordability diagnosis: National report*. Institute for Research on Higher Education, Graduate School of Education, University of Pennsylvania. Philadelphia, PA

SUBMITTED PAPERS

Baker, D. J., Skinner, B. T., & Redding, C. (2018). Affirmative intervention to reduce stereotype threat bias: Experimental evidence from a community college

Doyle, W. R., & Skinner, B. T. (2017). Predicting postsecondary attendance by income in the American states using multilevel regression with poststratification

Skinner, B. T. (2017). Making the connection: Broadband access and online course enrollment at public open admissions institutions. *Under revise and resubmit*

WORKING PAPERS

Skinner, B. T. (2017). Predicting degree outcomes of online course enrollment at the state level using Bayesian multilevel regression and poststratification

Skinner, B. T. (2017). Estimating the effect of online courses on student persistence and likelihood of passing in Georgia public postsecondary institutions

Skinner, B. T., & Doyle, W. R. (2016). Democratization, diversion, and profit: The impact of for-profit institutions on degree attainment

SOFTWARE PACKAGES

Skinner, B. T. (2018). *duawranglr: Securely Wrangle Dataset According to Data Usage Agreement*. [R package (beta)]. Retrieved from <https://github.com/btskinner/duawranglr>

Skinner, B. T. (2017). *distRcpp: Compute Geodesic Distance and Distance-Weighted Measures Using Rcpp*. [R package (beta)]. Retrieved from <https://github.com/btskinner/distRcpp>

Skinner, B. T. (2017). *crosswalker: Rename and Encode Data Frames Using External Crosswalk Files*. [R package]. Retrieved from <https://CRAN.R-project.org/package=crosswalkr>

Skinner, B. T. (2017). *rscorecard: A Method to Download Department of Education College Scorecard Data*. [R package]. Retrieved from <https://CRAN.R-project.org/package=rscorecard>

Skinner, B. T. (2016). *GitRoom Manager: GitHub classroom manager*. [Python package]. Retrieved from <https://pypi.python.org/pypi/grm>

RESEARCH AND SCHOLARLY PRESENTATIONS

Peer-reviewed conference presentations

- Skinner, B. T. (2018). Online courses and degree attainment: Estimating state-level differences using nationally representative data, Paper presented at the Association for Education Finance and Policy 43rd Annual Conference, Portland, OR
- Skinner, B. T. (2017). Virtually the same: Estimating the effect of online courses on student outcomes at open access institutions in Georgia, Paper presented at the Association for Education Finance and Policy 42nd Annual Conference, Washington, D.C.
- Skinner, B. T. (2016). How has college choice changed? An update for the 2000s using the conditional logit model, Paper presented at the annual meeting of the Association for the Study of Higher Education, Columbus, OH
- Skinner, B. T. (2016). Virtually the same: Estimating the effect of online courses on student outcomes at open access institutions in Georgia, Paper presented in roundtable discussion at the annual meeting of the Association for the Study of Higher Education, Columbus, OH
- Skinner, B. T., & Doyle, W. R. (2016). Democratization, diversion, and profit: The impact of for-profit institutions on degree attainment, Paper presented at the annual meeting of the Association for the Study of Higher Education, Columbus, OH
- Doyle, W. R., & Skinner, B. T. (2016). Does postsecondary education result in civic benefits? Paper presented at the Association for Education Finance and Policy 41st Annual Conference, Denver, CO
- Skinner, B. T. (2016). Modeling college enrollment via conditional logit: How has college choice changed? Paper presented at the Association for Education Finance and Policy 41st Annual Conference, Denver, CO
- Skinner, B. T. (2015). Estimating the relationship between broadband speed and distance education at public two-year institutions, Paper presented at the annual meeting of the Association for the Study of Higher Education, Denver, CO
- Doyle, W. R., & Skinner, B. T. (2015). Predicting postsecondary attendance by income in the American states using multilevel regression with poststratification, Paper presented at the Association for Education Finance and Policy 40th Annual Conference, Washington, D.C.
- Doyle, W. R., & Skinner, B. T. (2015). Estimating the education-earnings equation using geographic variation, Paper presented at the Association for Education Finance and Policy 40th Annual Conference, Washington, D.C.
- Skinner, B. T. (2014). An event history analysis of delayed college enrollment as a function of employment and wage, Paper presented at the Association for Education Finance and Policy 39th Annual Conference, San Antonio, TX
- Skinner, B. T. (2013). Estimating the connection between broadband connectivity and participation rates in college eLearning, Poster presented at the annual meeting of the Association for the Study of Higher Education, St. Louis, MO
- Skinner, B. T. (2013). Coming up short: The European Credit Transfer System as a measure of quality in the EHEA, Paper presented at the annual meeting of the Comparative and International Education Society, New Orleans, LA

Invited presentations

Doyle, W. R., & Skinner, B. T. (2015). Using data science to harness the big data revolution, Presidential session presentation at the annual meeting of the Association for the Study of Higher Education, Denver, CO

TEACHING

Instructor

Vanderbilt University | Department of Leadership, Policy, & Organizations

2015 LPO 9951: *Research Practicum (PhD)*
First-year PhD student introduction to statistical programming
Website/Course materials: btskinner.me/lpo9951

University of Southern Indiana | Department of English

2010 - 2011 ENGL 201: *Literacy and the World* (4 sections)
Sophomore-level course on rhetoric and composition

2009 - 2010 ENGL 101: *Literacy and the Self* (4 sections)
Freshman-level course on rhetoric and composition

Workshops

University of Virginia | Curry School of Education | EdPolicyWorks

2018 Workshop on R
Two-day workshop on R statistical language
Website/Course materials: btskinner.me/rworkshop

Teaching Assistant

Vanderbilt University | Department of Leadership, Policy, & Organizations

2014 HOD 2790: *Introduction to Data Science*
Instructor: Will Doyle

2013 - 2014 LPO 3921-3: *Research Practicum (PhD)*
Instructor: Will Doyle

OTHER PROFESSIONAL EXPERIENCE

Department of Leadership, Policy, & Organizations, Vanderbilt University

2015 - 2017 Restricted Dataroom Administrator
2012 - 2017 Graduate Research Assistant

Peabody Research Institute/Development Services Group, Inc.

2014 - 2014 WWC reviewer

The University of Southern Indiana

2009 - 2011 Adjunct Instructor

CERTIFICATIONS

2014 / 2018 What Works Clearinghouse Certified Reviewer (Standards Version 3.0 & 4.0)

AWARDS, FELLOWSHIPS, AND HONORS

2017	Emerging Education Policy Scholar	
2016 - 2017	Bonsal Applied Education Research Award	\$10,000
2016 - 2017	Vanderbilt Institute for Digital Learning Graduate Fellow	\$5,500
2012 - 2016	Peabody Graduate Fellowship	
2012	ExpERT Pre-Doctoral Fellow	
2005	Vanderbilt Undergraduate Summer Research Program	\$4,000

PROGRAMMING LANGUAGES/LIBRARIES/SOFTWARE

Statistical R/Rcpp, Stata, Bayesian tools (Stan, JAGS, WinBUGS/OpenBUGS)**General programming** Python, Javascript, C++**GIS** ArcGIS, QGIS**Text processing** TeX, Knitr, Markdown**Miscellaneous** Git, Bash, SQL, Web (HTML, CSS)***PROFESSIONAL AND UNIVERSITY SERVICE***

Vanderbilt University

2016 - 2017	Co-coordinator	LPO Quantitative Methods Workshop
2014	Planning Committee	Crucial Conversations

COMMUNITY SERVICE

Charlottesville, VA

2018

Project Fellow

Smart Cville Civic Innovation Day

PROFESSIONAL ACTIVITIES

Referee

American Education Research Journal, AERA Open, Educational Evaluation and Policy Analysis, Educational Researcher, Journal of Diversity in Higher Education, Journal of Higher Education, Research in Higher Education

Professional Memberships

American Educational Research Association (AERA)
Association for Education Finance and Policy (AEFP)
Association for the Study of Higher Education (ASHE)