Lily Fesler

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EDUCATION	**Stanford University**, Stanford, CA PhD Candidate, Economics of Education (expected: June 2020) MA, Economics (2018) *Committee*: Thomas Dee, Eric Bettinger, sean reardon & Justin Grimmer **Wesleyan University**, Middletown, CT BA, Economics (2011)
FELLOWSHIPS AND HONORS	**National Academy of Education/Spencer Dissertation Fellowship** (2019-20) [$27,500] *(35 recipients out of 420 applicants)* **Stanford Graduate Fellowship** (2015-20) [$120,000/3 years] **Summer Institute in Computational Social Science**, Duke (2018) [$14,816] *(30 recipients out of 220 applicants)* **SPICE Grant for Intellectual Community Enhancement,** Stanford (2018-19) [$3,000] **Outstanding Article Award**, Journal of Research on Educational Effectiveness (2017) **Predoctoral Training Program in Quantitative Education Policy Analysis** (2016-18) [$60,000/2 years] **Karr Family Fellowship,** Stanford University (2017-18) [$4,800]
PEER-REVIEWED PUBLICATIONS	**Fesler, L.,** Dee, T., Baker, R., & Evans, B. (Forthcoming). "Text as Data Methods for Education Research." *Journal of Research on Educational Effectiveness*. Clements, D., Sarama, J., Layzer, C., Unlu, F., Germeroth, C. & **Fesler, L.** (Forthcoming). "Effects on Mathematics and Executive Function of a Mathematics and Play Intervention Versus Mathematics Alone." *Journal for Research in Mathematics Education*. Edmunds, J., Unlu, F., Glennie, E., Bernstein, L., **Fesler, L.**, Furey, J. & Arshavsky, N. (2017). "Smoothing the Transition to Postsecondary Education: The Impact of the Early College Model." *Journal of Research on Educational Effectiveness*, 10(2), 297-325. [*Winner of JREE's Outstanding Article Award.*]
CONFERENCE PRESENTATIONS	**Fesler, L.** & Pender, M. "Impacts of Promise Programs on Enrollment, Graduation and Debt." • Association for Public Policy Analysis and Management, Denver, CO. November 2019. • PromiseNet, Berkeley, CA. November 2019. **Fesler, L,** Dee, T., Baker, R. & Evans, B. "Language and Gender Equity in Online Classrooms." • American Educational Research Association, Toronto, ON. April 2019. • Association for Education Finance and Policy, Portland, OR. March 2018. **Fesler, L**. "Understanding Student Questions about the College Application Process to Improve Program Design." • Association for Education Finance and Policy, Kansas City, MO. March 2019. • Society for Research in Educational Effectiveness. March 2019.

Bello-Pardo, E., **Fesler, L.**, Gallagher, N. Law, T., & Pozzana, I. "Medium is the Message? Understanding the Effects of Different Communication Mediums on Political Behavior and Public Opinion in the Digital Age." Midwest Political Science Association. April 2019.

Dee, T. & **Fesler, L.** "Can Machine Learning Improve Early Warning Indicators for High School Dropouts?" Poster Presentation at Association for Public Policy Analysis and Management, Washington, DC. November 2018.

Bettinger, E., **Fesler, L.**, Fox, L., Loeb, S., & Taylor, E. "Instruction in Virtual Classrooms: How Faculty Affect Student Performance in Online College Classes."
- Association for Education Finance and Policy, Washington, DC. March 2017.
- Society for Research on Educational Effectiveness, Washington, DC. March 2017.

Unlu, F., **Fesler, L.**, Edmunds, J., Schwartz, G. & Glennie, B. "Design Parameters for Commonly Used Outcome Measures in Research on High Schools and Postsecondary Institutions." Association for Public Policy Analysis and Management, Albuquerque, NM. November 2014.

Unlu, F., Edmunds, J.A., **Fesler, L.**, & Glennie, E. "Costs and Benefits of the Early College High School Model." Association for Education Finance and Policy, San Antonio, TX. March 2014.

Unlu, F., Smith, A., **Fesler, L.**, Bernstein, L., & Edmunds, J. "Structural Equation Modeling and Principal Stratification for Mediation Analysis." Welfare Research and Evaluation Conference, Washington, DC. May 2013.

Edmunds, J. A., Unlu, F., Smith, A. V., **Fesler, L.**, Glennie, E., & Bernstein, L. "The Impact of Early College High Schools on Low-Income Students."
- Society for Research on Educational Effectiveness, Washington, DC. March 2014.
- American Educational Research Association Conference, Washington, DC. April 2013.

RESEARCH EXPERIENCE

College Board, Remote Position, *Policy Research Intern* (2017-present)
- Using supervised machine learning to analyze how remote college counselors can support 15,000 low- and middle-income high school seniors through a text messaging program
- Using synthetic control methods to study the causal effect of living in a school district that provides tuition subsidies on college enrollment and graduation

Stanford Graduate School of Education, *Research Assistant* (2015-present)
- Developed and implemented a survey of juniors in Atlanta Public Schools to study how student preferences for college characteristics shape students' choice sets
- Analyzed how San Francisco Unified School District's (SFUSD's) early warning indicator system affected student graduation rates (using a regression discontinuity design) and presented findings to 120 participants at an annual partnership meeting
- Applied supervised machine learning methods to improve SFUSD's early warning indicator system
- Analyzed a field experiment to determine how participants in Massive Open Online Courses provide different types of responses when interacting with posters they think are male versus female (using text-as-data methods)

Abt Associates – Social and Economic Policy Division, Cambridge, MA (2012-2015)
Programmer Analyst, Analyst, and Associate Analyst
- Evaluated the impacts of Early College High Schools on high school graduation and college enrollment (won the Journal of Research on Educational Effectiveness' outstanding article award for this work)
- Led and implemented survey sample selection process (using stratified random sampling) for a statewide survey in Massachusetts to understand how teachers experienced a new evaluation system
- Used Mahalanobis distance matching to estimate the impact of Citizen Schools
- Evaluated the Building Blocks pre-k mathematics curriculum (paper forthcoming in the Journal for Research in Mathematics Education)

Compass Lexecon, Boston, MA, *Analyst* (2011-2012)
Conducted economic analysis in SAS and Stata to support Joseph P. Kalt's expert testimony in international arbitration cases.

TEACHING EXPERIENCE

Stanford Graduate School of Education
Causal Inference in Quantitative Educational and Social Science Research,
Teaching Assistant (2018) with Thomas Dee (evaluations = 4.9/5.0)

Workshops, *Instructor (2017 – 2019)*
Taught workshops on text-as-data methods and LaTex.

Math Camp, *Instructor* (2017)
Taught five three-hour classes to help incoming doctoral students review/learn pre-calculus, calculus, and linear algebra, as well as learn Stata.

Applied Quasi-Experimental Research in Education, *Teaching Assistant* (2017) with Sean Reardon (evaluations = 4.4/5.0)

Statistical Analysis in Education: Regression, *Teaching Assistant* (2017) with Michelle Reininger (evaluations = 4.4/5.0)

PROFESSIONAL SERVICE

<u>**Discussant:**</u> Text as Data Conference, invited by Justin Grimmer (2019)

<u>**Stanford University**</u>
Computational Text Analysis in the Social Sciences, *President* (2017-2019):
- Initiated and led a group for faculty, postdocs, students and staff to share their research and share their computational expertise
- Brought together a leadership team that represented four academic disciplines and set up a collaboration with staff data scientists at Stanford
- Secured funding for the group from a Stanford institute and from a competitive Stanford grant and built the group to over 100 members

Education Policy Search Committee, *Member* (2018-19)

Institute for Research in the Social Sciences, *Liaison for the Graduate School of Education* (2018-19)

GSE Mentor (2016-present): Serve as a mentor for new graduate students.

Graduate School of Education (GSE) Student Guild, *Academic Chair* (2017-2018):
Collaborate with students to build an academic community by organizing academic workshops, dialogues, and other initiatives.

Student-Led Workshops in Methods and Strategies, *Organizer* (2015-2018):
Organize workshops on various analysis methods and on navigating graduate school.

Stanford Graduate Life Office, *Community Associate* (2016-18)
Serve as a resource and plan events for graduate students living in studio apartments on campus.

Reviewer: Journal of Research on Educational Effectiveness, American Educational Research Journal, Journal of Human Capital

SKILLS   **Programming Languages**: R (advanced), Stata (advanced), Python (intermediate), SAS (intermediate), SQL (intermediate), C++ (beginner), Java (beginner)
Foreign Languages: Spanish (proficient)