

# Sabrina M. Solanki

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## EDUCATION & TRAINING

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**Institute of Education Sciences Postdoctoral Fellow**, Education Policy Initiative (EPI), Ford School of Public Policy, University of Michigan (Mentors: Susan Dynarski & Brian Jacob)

**Ph.D.**, Education Policy, University of California, Irvine, CA, 2019

Dissertation: Three Essays About Higher Education Programs & Policies to Support Student Success (Co-chairs: Di Xu & Greg Duncan)

**M.A.**, Public Policy, University of California, Irvine, CA, 2014

**M.A.**, Teaching with a Single Subject Credential in Social Science, specialization in Economics, University of California, Irvine, CA, 2007

**B.A.**, Economics, University of California, Los Angeles, CA, 2001

## RESEARCH AND TEACHING INTERESTS

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Higher Education Policy, Intervention Research, STEM Education, Economics of Education, Teacher Labor Market Policy

## FELLOWSHIPS

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2018 National Academy of Education/Spencer Dissertation Fellowship (\$27,500)

## PUBLICATIONS

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**Solanki, Sabrina M.** and Di Xu. (2018). Looking beyond academic performance: The influence of instructor gender on student motivation in STEM fields. *American Educational Research Journal*, 55(4), 801-835.

Xu, Di, **Sabrina M. Solanki**, Peter McPartlan, and Brian Sato. (2018). EASE'ing students into college: The impact of multidimensional support for underprepared students. *Educational Researcher*, 47(7), 435-450.

**Solanki, Sabrina M.**, Peter McPartlan, Di Xu, and Brian Sato. (2019). The impact of a STEM learning community: Does it work and which students benefit the most? *PLoS ONE*, 14(3):e0213827.

Penner, Emily K., Jane Rochmes, Jing Liu, **Sabrina M. Solanki**, and Susanna Loeb. Equity-oriented applicants: What do prospective teachers say about the achievement gap and does it make them more attractive candidates? (2019). *RSF: The Russell Sage Foundation Journal of the Social Sciences (Special issue on using administrative data for science and policy)*.

Xu, Di, **Sabrina M. Solanki**, and Ashley Harlow. Transferring from a community college or initiating in a four-year college directly: Interpreting the effects in the presence of heterogeneity. (2019). *Research in Higher Education*.

Xu, Di and **Sabrina M. Solanki**. Tenure-track appointment for teaching-oriented faculty? The impact of teaching and research faculty on student outcomes. (in press). *Educational Evaluation and Policy Analysis*.

## **MANUSCRIPTS UNDER REVIEW**

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**Solanki, Sabrina M.**, Daniel Fitzpatrick, Masha R. Jones, and Hansol Lee. A meta-analytic study of social-psychological interventions in college: Examining heterogeneity effects by study context and treated population.

Baker, Rachel, **Sabrina M. Solanki**, and Connie Kang. Racial segregation in California higher education: Examining student population trends between and within sectors.

Xu, Di, John Fink, and **Sabrina M. Solanki**. The geography of racial gaps in advanced placement participation and dual-credit education.

McPartlan, Peter, **Sabrina M. Solanki**, Di Xu, and Brian Sato. Testing basic assumptions reveals when (not) to expect mindset and belonging interventions to succeed.

## **MANUSCRIPTS IN PREPARATION**

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**Solanki, Sabrina M.** Learning communities in STEM education: Evaluating the impact of the Enhanced Academic Success Experience (EASE) initiative on student success.

Park, Elizabeth, **Sabrina M. Solanki**, Peter McPartlan, and Di Xu. Unrealistic expectations? The gap between initial academic beliefs and final grades on STEM degree attainment.

Baker, Rachel, **Sabrina M. Solanki**, and Di Xu. The effects of free classes over the summer: A fee incentive program to increase summer session enrollment.

## **INVITED PRESENTATIONS**

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*Do Learning Communities Work in STEM Education: Evaluating the Impact of the*

*Enhanced Academic Success Experience Initiative (EASE) on Student Success. ExpandedED: Broadening the Understanding of Today's Educational Issues. April 2018. University of California, Santa Barbara.*

## **CONFERENCE PRESENTATIONS**

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*The Effects of Free Classes Over the Summer: A Fee Incentive Program to Increase Summer Session Enrollment.* Association for Education Finance and Policy (AEFP) Annual Meeting. March 2019. Kansas City.

*First Impressions: Can Initial District Screenings of Applicants Predict Teacher Outcomes on the Job?* Association for Education Finance and Policy (AEFP) Annual Meeting. March 2019. Kansas City.

*Tenure-track for Teaching-Oriented Faculty: Faculty Characteristics, Growth, and Impacts on Undergraduate Learning Outcomes.* Poster presented at the Association of Public Policy Analysis & Management (APPAM) Annual Meeting. November 2018. Washington D.C.

*Transferring from a Community College or Initiating in a Four-year College Directly: Estimating the Impact on Student Academic & Labor Market Outcomes.* CC2PhD: UCLA Community College Studies Conference. June 2018. Los Angeles.

*EASE'ing Students into College: The Impact of Multidimensional Support for Underprepared Students.* American Educational Research Association (AERA) Annual Meeting. April 2018. New York.

*New Faculty Types in Higher Education: The Impact of Lecturers with Security of Employment on Undergraduate Learning.* Association for Education Finance and Policy (AEFP) Annual Meeting. March 2018. Portland.

*EASE'ing Students into College: The Impact of Multidimensional Support for Underprepared Students.* Society for Research on Educational Effectiveness (SREE) Annual Meeting. February 2018. Washington D.C.

*Social-Psychological Interventions: Can They Improve STEM Persistence & Beliefs?* Association of Public Policy Analysis & Management (APPAM) Annual Meeting. November 2017. Chicago.

*What Works for College Student Success: A Meta-Analytic Study of Motivation Interventions.* Poster presented at the Association of Public Policy Analysis & Management (APPAM) Annual Meeting. November 2017. Chicago.

*Meta-Analysis of Random Assignment Studies of Interventions Targeting the Identified Competencies.* Society for Research on Educational Effectiveness (SREE) Annual Meeting. March 2017. Washington D.C.

*Looking Beyond Academic Performance: The Impact of Instructor Gender on Student Engagement and Attitude in STEM Fields.* Association for Education Finance and Policy (AEFP) Annual Meeting. March 2017. Washington D.C.

*Racial Segregation in California Higher Education: Examining Latino Student Population*

*Trends Between and Within Sectors.* Poster presented at the Association for Education Finance and Policy (AEFP) Annual Meeting. March 2017. Washington D.C.

*College Majors: Their Role in the STEM Pipeline.* Poster presented at the Population Association of American (PAA) Annual Meeting. April 2016. Washington D.C.

## **UNIVERSITY TEACHING & MENTORING EXPERIENCE**

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University of Michigan

Undergraduate Research Opportunity Program (UROP), Mentor, 2019-present

University of California, Irvine, School of Education

Teaching Assistant & Lab Instructor, Education 288A: Graduate Statistics I, 2015-2017

Teaching Assistant & Lab Instructor, Education 15: Statistics in Education Research, 2015-2017

Teaching Assistant, Education 10: Education Research Design, 2015

## **K-12 TEACHING & MENTORING EXPERIENCE**

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Arnold O. Beckman High School, Irvine, CA

Advanced Placement Microeconomics, September 2007 – June 2013

Early Academic Outreach Program (EAOP), UCLA

Academic Counselor, September 1998 – June 2001

## **RESEARCH EXPERIENCE**

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Solving the Equation: Recruiting, Hiring, and Retaining Math and Science Teachers Project, Research Assistant, 2016 – present

PI: Susanna Loeb

The National Academies of Sciences: Supporting Students' College Success: The Role of Assessment of Intrapersonal and Interpersonal Competencies, Consultant, 2016 - 2017

Chair: Joan Herman

## **SERVICE**

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University of Michigan

Sloan Equity and Inclusion in STEM Introductory Courses (SEISMIC),  
Working Group Co-chair, 2019-present

University of California, Irvine, School of Education

First Beijing Normal University-UCI Doctoral Student in Higher Education  
Leadership and Management Exchange Program, Student Coordinator,  
2017-2018

Faculty Search Committee, Student Representative, 2017-2018

Ph.D. Admissions Committee, Student Representative, 2015-2016

Diverse Educational Community and Doctoral Experience (DECADE), Peer  
Mentor, 2015-2018

Reviewer

American Educational Research Association Open  
The Journal of Research on Educational Effectiveness

## **SKILLS**

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Languages: English (native)

Statistical Programming: STATA (Advanced), Comprehensive Meta-Analysis  
(Intermediate), R (Beginner)

## **PROFESSIONAL MEMBERSHIPS**

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Association of Public Policy Analysis & Management (APPAM)

American Education Research Association (AERA)

Association of Education Finance and Policy (AEFP)

## Reference List

Rachel Baker  
University of California, Irvine  
Assistant Professor  
Email: [rachelbb@uci.edu](mailto:rachelbb@uci.edu)

Greg Duncan  
University of California, Irvine  
Distinguished Professor  
Email: [gduncan@uci.edu](mailto:gduncan@uci.edu)

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