

Sabrina M. Solanki

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EDUCATION

Ph.D., Education Research, University of California, Irvine, CA, 2019 (expected)

Dissertation: Do Learning Communities Work in STEM Education? Evaluating the Impact of the Enhanced Academic Success Experience Initiative (EASE) on 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

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

FELLOWSHIPS

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

PUBLICATIONS

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? (available online). *The Russell*

Sage Foundation Journal of the Social Sciences (Special issue on using administrative data for science and policy).

MANUSCRIPTS UNDER REVIEW

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. Revise and resubmit, *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. Revise and resubmit, *Educational Evaluation and Policy Analysis*.

MANUSCRIPTS IN PREPARATION

Solanki, Sabrina M., Masha R. Jones, and Hansol Lee. Charting college success: A meta-analytic study of motivation interventions.

Solanki, Sabrina M. Do learning communities work in STEM education? Evaluating the impact of the Enhanced Academic Success Experience (EASE) initiative on student success.

Penner, Emily, **Sabrina M. Solanki**, and Xuehan Zhou. First impressions: Can initial district screenings of applicants predict teacher outcomes on the job?

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

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

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

INVITED PRESENTATIONS

Do Learning Communities Work in STEM Education: Evaluating the Impact of the Enhanced Academic Success Experience Initiative (EASE) on Student Success. Expanded: Broadening the Understanding of Today's Educational Issues. April 2018. University of California, Santa Barbara.

CONFERENCE PRESENTATIONS

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 EXPERIENCE

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

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

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

PI: Emily Penner

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

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

SKILLS

Languages: English (native)

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

PROFESSIONAL MEMBERSHIPS

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

Greg Duncan

University of California, Irvine

Distinguished Professor

Email: gduncan@uci.edu

George Farkas

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Emily Penner

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Di Xu

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