

# Stanford

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## Prashant Loyalka

Associate Professor of Education and Senior Fellow at the Freeman Spogli Institute for International Studies

Graduate School of Education

 Curriculum Vitae available Online

### CONTACT INFORMATION

- **Admin. Support**

Melissa Cromosini

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### Bio

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#### BIO

Prashant Loyalka is an Associate Professor at the Graduate School of Education and a Senior Fellow at the Freeman Spogli Institute for International Studies at Stanford University. His research focuses on examining/addressing inequalities in the education of children and youth and on understanding/improving the quality of education received by children and youth in multiple countries including China, India, Russia, and the United States. He also conducts large-scale evaluations of educational programs and policies that seek to improve student outcomes.

#### ACADEMIC APPOINTMENTS

- Associate Professor, Graduate School of Education
- Senior Fellow, Freeman Spogli Institute for International Studies

#### PROFESSIONAL EDUCATION

- Ph.D., Stanford University , International Comparative Education (2009)
- M.A., Stanford University , Economics (2008)
- B.A., Stanford University , Economics (1997)

#### LINKS

- FSI page: [http://fsi.stanford.edu/people/prashant\\_loyalka/](http://fsi.stanford.edu/people/prashant_loyalka/)

### Research & Scholarship

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#### RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Diversity and Identity
- Higher Education
- Immigrants and Immigration
- International and Comparative Education
- Poverty and Inequality

- Teachers and Teaching

## CURRENT RESEARCH AND SCHOLARLY INTERESTS

Prashant's research focuses on examining/addressing inequalities in the education of youth and on understanding/improving the quality of education received by youth in a number of countries including China, India, Russia, and the United States. In the course of addressing educational inequalities, Prashant examines the consequences of tracking, financial and informational constraints, as well as social and psychological factors in highly competitive education systems. His work on understanding educational quality is built around research that assesses and compares student learning in higher education, high school and compulsory schooling. He furthermore conducts large-scale evaluations of educational programs and policies that seek to improve student outcomes.

## Teaching

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### COURSES

#### 2025-26

- Economics of Education in the Global Economy: EDUC 306A (Aut)
- Introduction to Global and Comparative Education: EDUC 202 (Aut)

#### 2024-25

- Economics of Education in the Global Economy: EDUC 306A (Aut)
- Introduction to International and Comparative Education: EDUC 202 (Aut)

#### 2023-24

- Economics of Education in the Global Economy: EDUC 306A (Aut)
- Introduction to International and Comparative Education: EDUC 202 (Aut)
- Seminar in Organizations and Institutions: EDUC 456, SOC 210 (Aut, Win, Spr)

#### 2022-23

- Economics of Education in the Global Economy: EDUC 306A (Aut)
- Resource Allocation in Education: EDUC 222 (Spr)
- Resource Allocation in Education: GSBGEN 326 (Spr)

### STANFORD ADVISEES

#### Orals Chair

Janice Ndegwa

#### Doctoral Dissertation Co-Advisor (AC)

Cody Abbey

#### Doctoral (Program)

Cody Abbey, Gabriel Koraicho

## Publications

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### PUBLICATIONS

- **Diminishing Marginal Returns to Computer-Assisted Learning** *JOURNAL OF POLICY ANALYSIS AND MANAGEMENT*  
Bettinger, E., Fairlie, R., Kapuza, A., Kardanova, E., Loyalka, P., Zakharov, A.  
2022

- **Manufacturing Productivity with Worker Turnover** *MANAGEMENT SCIENCE*  
Moon, K., Bergemann, P., Brown, D., Chen, A., Chu, J., Eisen, E. A., Fischer, G. M., Loyalka, P., Rho, S., Cohen, J.  
2022
- **The Hidden Cost of Worker Turnover: Attributing Product Reliability to the Turnover of Factory Workers** *MANAGEMENT SCIENCE*  
Moon, K., Loyalka, P., Bergemann, P., Cohen, J.  
2022; 68 (5): 3755-3767
- **The Effect of Faculty Research on Student Learning in College** *EDUCATIONAL RESEARCHER*  
Loyalka, P., Shi, Z., Li, G., Kardanova, E., Chirikov, I., Yu, N., Hu, S., Wang, H., Ma, L., Guo, F., Liu, O., Bhuradia, A., Khanna, et al  
2022
- **Skill levels and gains in university STEM education in China, India, Russia and the United States.** *Nature human behaviour*  
Loyalka, P., Liu, O. L., Li, G., Kardanova, E., Chirikov, I., Hu, S., Yu, N., Ma, L., Guo, F., Beteille, T., Tognatta, N., Gu, L., Ling, et al  
2021
- **Instructional interventions for improving COVID-19 knowledge, attitudes, behaviors: Evidence from a large-scale RCT in India.** *Social science & medicine (1982)*  
Mistree, D. n., Loyalka, P. n., Fairlie, R. n., Bhuradia, A. n., Angrish, M. n., Lin, J. n., Karoshi, A. n., Yen, S. J., Mistri, J. n., Bayat, V. n.  
2021; 276: 113846
- **Stuck in Place? A Field Experiment on the Effects of Reputational Information on Student Evaluations** *SOCIAL FORCES*  
Chu, J., Li, G., Loyalka, P., Liu, C., Rosa, L., Li, Y.  
2020; 98 (4): 1578–1612
- **Schooling and Covid-19: lessons from recent research on EdTech.** *NPJ science of learning*  
Fairlie, R., Loyalka, P.  
2020; 5: 13
- **Institutions, implementation, and program effectiveness: Evidence from a randomized evaluation of computer-assisted learning in rural China** *Journal of Development Economics*  
Mo, D., Bai, Y., Shi, Y., Abbey, C., Zhang, L., Rozelle, S., Loyalka, P.  
2020; 146
- **Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement** *JOURNAL OF LABOR ECONOMICS*  
Loyalka, P., Sylvia, S., Liu, C., Chu, J., Shi, Y.  
2019; 37 (3): 621–62
- **Does Teacher Training Actually Work? Evidence from a Large-Scale Randomized Evaluation of a National Teacher Training Program** *AMERICAN ECONOMIC JOURNAL-APPLIED ECONOMICS*  
Loyalka, P., Popova, A., Li, G., Shi, Z.  
2019; 11 (3): 128–54
- **Computer science skills across China, India, Russia, and the United States** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Loyalka, P., Liu, O., Li, G., Chirikov, I., Kardanova, E., Gu, L., Ling, G., Yu, N., Guo, F., Ma, L., Hu, S., Johnson, A., Bhuradia, et al  
2019; 116 (14): 6732–36
- **Human Capital and China's Future Growth** *JOURNAL OF ECONOMIC PERSPECTIVES*  
Li, H., Loyalka, P., Rozelle, S., Wu, B.  
2017; 31 (1): 25-48
- **Can Social-Emotional Learning Reduce School Dropout in Developing Countries?** *JOURNAL OF POLICY ANALYSIS AND MANAGEMENT*  
Wang, H., Chu, J., Loyalka, P., Xin, T., Shi, Y., Qu, Q., Yang, C.  
2016; 35 (4): 818-?
- **Revisiting the Relationship Between International Assessment Outcomes and Educational Production: Evidence From a Longitudinal PISA-TIMSS Sample** *AMERICAN EDUCATIONAL RESEARCH JOURNAL*  
Carnoy, M., Khavenson, T., Loyalka, P., Schmidt, W. H., Zakharov, A.  
2016; 53 (4): 1054-1085

- **China's Left-Behind Children: Impact Of Parental Migration On Health, Nutrition, And Educational Outcomes.** *Health affairs*  
Zhou, C., Sylvia, S., Zhang, L., Luo, R., Yi, H., Liu, C., Shi, Y., Loyalka, P., Chu, J., Medina, A., Rozelle, S.  
2015; 34 (11): 1964-1971
- **Giving kids a head start: The impact and mechanisms of early commitment of financial aid on poor students in rural China** *JOURNAL OF DEVELOPMENT ECONOMICS*  
Yi, H., Song, Y., Liu, C., Huang, X., Zhang, L., Bai, Y., Ren, B., Shi, Y., Loyalka, P., Chu, J., Rozelle, S.  
2015; 113: 1-15
- **The Cost of Disability in China** *DEMOGRAPHY*  
Loyalka, P., Liu, L., Chen, G., Zheng, X.  
2014; 51 (1): 97-118
- **University Expansion in a Changing Global Economy: Triumph of the BRICs?**  
Loyalka, P., et al  
Stanford University Press.2013
- **Job Training, English Language Skills, and Employability: Evidence from an Experiment in Urban India** *ECONOMIC DEVELOPMENT AND CULTURAL CHANGE*  
Loyalka, P., Mistree, D., Fairlie, R., Khanna, S.  
2025
- **Heterogeneity of Item-Treatment Interactions Masks Complexity and Generalizability in Randomized Controlled Trials** *JOURNAL OF RESEARCH ON EDUCATIONAL EFFECTIVENESS*  
Ahmed, I., Bertling, M., Zhang, L., Ho, A. D., Loyalka, P., Xue, H., Rozelle, S., Domingue, B. W.  
2024
- **Isolating the "Tech" from EdTech: Experimental Evidence on Computer-Assisted Learning in China** *ECONOMIC DEVELOPMENT AND CULTURAL CHANGE*  
Ma, Y., Fairlie, R., Loyalka, P., Rozelle, S.  
2024
- **Generalizable evidence that computer assisted learning improves student learning: A systematic review of education technology in China** *COMPUTERS AND EDUCATION OPEN*  
Abbey, C., Ma, Y., Akhtar, M., Emmers, D., Fairlie, R., Fu, N., Johnstone, H., Loyalka, P., Rozelle, S., Xue, H., Zhang, X.  
2024; 6
- **Education and EdTech during COVID-19: Evidence from a Large-Scale Survey during School Closures in China** *COMPARATIVE EDUCATION REVIEW*  
Li, G., Zhang, X., Liu, D., Xue, H., Hu, D., Lee, O., Rilling, C., Ma, Y., Abbey, C., Fairlie, R., Loyalka, P., Rozelle, S.  
2023
- **Stuck in the middle school rut: can anything improve academic achievement in rural Chinese middle schools?** *JOURNAL OF DEVELOPMENT EFFECTIVENESS*  
Qin, F., Hu, H., Loyalka, P., Dill, S., Rozelle, S.  
2022
- **Off the COVID-19 Epicentre: The Impact of Quarantine Controls on Employment, Education and Health in China's Rural Communities** *CHINA QUARTERLY*  
Wang, H., Dill, S., Zhou, H., Ma, Y., Xue, H., Loyalka, P., Sylvia, S., Boswell, M., Lin, J., Rozelle, S.  
2022
- **Health, economic, and social implications of COVID-19 for China's rural population** *AGRICULTURAL ECONOMICS*  
Wang, H., Dill, S., Zhou, H., Ma, Y., Xue, H., Sylvia, S., Smith, K., Boswell, M., Medina, A., Loyalka, P., Abby, C., Friesen, D., Rose, et al  
2021
- **Health, economic, and social implications of COVID-19 for China's rural population.** *Agricultural economics (Amsterdam, Netherlands)*  
Wang, H., Dill, S. E., Zhou, H., Ma, Y., Xue, H., Sylvia, S., Smith, K., Boswell, M., Medina, A., Loyalka, P., Abby, C., Friesen, D., Rose, et al  
2021; 52 (3): 495-504
- **Tracking the effects of COVID-19 in rural China over time.** *International journal for equity in health*

- Wang, H. n., Zhang, M. n., Li, R. n., Zhong, O. n., Johnstone, H. n., Zhou, H. n., Xue, H. n., Sylvia, S. n., Boswell, M. n., Loyalka, P. n., Rozelle, S. n. 2021; 20 (1): 35
- **The Impacts of Highly Resourced Vocational Schools on Student Outcomes in China** *CHINA & WORLD ECONOMY*  
Li, G., Xu, J., Li, L., Shi, Z., Yi, H., Chu, J., Kardanova, E., Li, Y., Loyalka, P., Rozelle, S.  
2020; 28 (6): 125–50
  - **Examining mode effects for an adapted Chinese critical thinking assessment** *ASSESSMENT & EVALUATION IN HIGHER EDUCATION*  
Gu, L., Ling, G., Liu, O., Yang, Z., Li, G., Kardanova, E., Loyalka, P.  
2020
  - **Large-scale international assessments of learning outcomes: balancing the interests of multiple stakeholders** *JOURNAL OF HIGHER EDUCATION POLICY AND MANAGEMENT*  
Li, G., Shcheglova, I., Bhuradia, A., Li, Y., Loyalka, P., Zhou, O., Hu, S., Yu, N., Ma, L., Guo, F., Chirikov, I.  
2020
  - **The impact of pay-for-percentile incentive on low-achieving students in rural China** *ECONOMICS OF EDUCATION REVIEW*  
Chang, F., Wang, H., Qu, Y., Zheng, Q., Loyalka, P., Sylvia, S., Shi, Y., Dill, S., Rozelle, S.  
2020; 75
  - **The prevalence of parent-teacher interaction in developing countries and its effect on student outcomes** *TEACHING AND TEACHER EDUCATION*  
Li, G., Lin, M., Liu, C., Johnson, A., Li, Y., Loyalka, P.  
2019; 86
  - **Thinking critically about critical thinking: validating the Russian HEIghten? critical thinking assessment** *STUDIES IN HIGHER EDUCATION*  
Shaw, A., Liu, O., Gu, L., Kardonova, E., Chirikov, I., Li, G., Hu, S., Yu, N., Ma, L., Guo, F., Su, Q., Shi, J., Shi, et al  
2019
  - **The impact of teacher professional development programs on student achievement in rural China: evidence from Shaanxi Province** *JOURNAL OF DEVELOPMENT EFFECTIVENESS*  
Lu, M., Loyalka, P., Shi, Y., Chang, F., Liu, C., Rozelle, S.  
2019
  - **The role of faculty in reducing academic dishonesty among engineering students** *STUDIES IN HIGHER EDUCATION*  
Chirikov, I., Shmeleva, E., Loyalka, P.  
2019
  - **Parental migration, educational achievement, and mental health of junior high school students in rural China** *CHINA ECONOMIC REVIEW*  
Chang, F., Jiang, Y., Loyalka, P., Chu, J., Shi, Y., Osborn, A., Rozelle, S.  
2019; 54: 337–49
  - **Catching the Big Fish in the Little Pond Effect: Evidence from 33 Countries and Regions** *COMPARATIVE EDUCATION REVIEW*  
Loyalka, P., Zakharov, A., Kuzmina, Y.  
2018; 62 (4): 542–64
  - **Assessing the Quality of Upper-Secondary Vocational Education and Training: Evidence from China** *COMPARATIVE EDUCATION REVIEW*  
Yi, H., Li, G., Li, L., Loyalka, P., Zhang, L., Xu, J., Kardanova, E., Shi, H., Chu, J.  
2018; 62 (2): 199–230
  - **Assessing college critical thinking: preliminary results from the Chinese HEIghten (R) Critical Thinking assessment** *HIGHER EDUCATION RESEARCH & DEVELOPMENT*  
Liu, O., Shaw, A., Gu, L., Li, G., Hu, S., Yu, N., Ma, L., Xu, C., Guo, F., Su, Q., Kardanovaj, E., Chirikov, I., Shi, et al  
2018; 37 (5): 999–1014
  - **Ability tracking and social trust in China's rural secondary school system** *SCHOOL EFFECTIVENESS AND SCHOOL IMPROVEMENT*  
Li, F., Loyalka, P., Yi, H., Shi, Y., Johnson, N., Rozelle, S.  
2018; 29 (4): 545–72
  - **Validating the Use of Translated and Adapted HEIghten (R) Quantitative Literacy Test in Russia** *ASSESSMENT OF LEARNING OUTCOMES IN HIGHER EDUCATION: CROSS-NATIONAL COMPARISONS AND PERSPECTIVES*

- Gu, L., Liu, O., Xu, J., Kardonova, E., Chirikov, I., Li, G., Hu, S., Yu, N., Ma, L., Guo, F., Su, Q., Shi, J., Shi, et al  
edited by ZlatkinTroitschanskaia, O., Toepper, M., Pant, H. A., Lautenbach, C., Kuhn, C.  
2018: 267–84
- **The impact of conditional cash transfers on the matriculation of junior high school students into rural China's high schools** *JOURNAL OF DEVELOPMENT EFFECTIVENESS*  
Li, F., Song, Y., Yi, H., Wei, J., Zhang, L., Shi, Y., Chu, J., Johnson, N., Loyalka, P., Rozelle, S.  
2017; 9 (1): 41-60
  - **Inequalities in the Pathway to College in China: When Do Students from Poor Areas Fall Behind?** *CHINA QUARTERLY*  
Loyalka, P., Chu, J., Wei, J., Johnson, N., Reniker, J.  
2017; 229: 172-194
  - **Sidestepping the Elephant in the Classroom: Using Culturally Localized Technology to Teach Around Taboos**  
Sorcar, P., Strauber, B., Loyalka, P., Kumar, N., Goldman, S., ACM  
ASSOC COMPUTING MACHINERY.2017: 2792–2804
  - **China's Looming Human Capital Crisis: Upper Secondary Educational Attainment Rates and the Middle-income Trap** *CHINA QUARTERLY*  
Khor, N., Pang, L., Liu, C., Chang, F., Mo, D., Loyalka, P., Rozelle, S.  
2016; 228: 905-926
  - **Does shadow education help students prepare for college? Evidence from Russia** *INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT*  
Loyalka, P., Zakharov, A.  
2016; 49: 22-30
  - **The Impact of Vocational Teachers on Student Learning in Developing Countries: Does Enterprise Experience Matter?** *COMPARATIVE EDUCATION REVIEW*  
Johnston, J., Loyalka, P., Chu, J., Song, Y., Yi, H., Huang, X.  
2016; 60 (1): 131-150
  - **Developing instruments to assess and compare the quality of engineering education: the case of China and Russia** *ASSESSMENT & EVALUATION IN HIGHER EDUCATION*  
Kardanova, E., Loyalka, P., Chirikov, I., Liu, L., Li, G., Wang, H., Enchikova, E., Shi, H., Johnson, N.  
2016; 41 (5): 770-786
  - **The Impact of Vocational Schooling on Human Capital Development in Developing Countries: Evidence from China** *WORLD BANK ECONOMIC REVIEW*  
Loyalka, P., Huang, X., Zhang, L., Wei, J., Yi, H., Song, Y., Shi, Y., Chu, J.  
2016; 30 (1): 143-170
  - **Dropping Out of Rural China's Secondary Schools: A Mixed-methods Analysis** *CHINA QUARTERLY*  
Shi, Y., Zhang, L., Ma, Y., Yi, H., Liu, C., Johnson, N., Chu, J., Loyalka, P., Rozelle, S.  
2015; 224: 1048-1069
  - **The impact of teacher credentials on student achievement in China** *CHINA ECONOMIC REVIEW*  
Chu, J. H., Loyalka, P., Chu, J., Qu, Q., Shi, Y., Li, G.  
2015; 36: 14-24
  - **Exploring the dropout rates and causes of dropout in upper-secondary technical and vocational education and training (TVET) schools in China** *INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT*  
Yi, H., Zhang, L., Yao, Y., Wang, A., Ma, Y., Shi, Y., Chu, J., Loyalka, P., Rozelle, S.  
2015; 42: 115-123
  - **Unequal Access to College in China: How Far Have Poor, Rural Students Been Left Behind?** *CHINA QUARTERLY*  
Li, H., Loyalka, P., Rozelle, S., Wu, B., Xie, J.  
2015; 221: 185-207
  - **The Impacts of Building Elite High Schools for Students from Disadvantaged Areas** *ECONOMIC DEVELOPMENT AND CULTURAL CHANGE*  
Loyalka, P., Wei, J., Song, Y., Zhong, W., Chu, J.  
2015; 63 (2): 393-422

- **Factors affecting the quality of engineering education in the four largest emerging economies** *HIGHER EDUCATION*  
Loyalka, P., Carnoy, M., Froumin, I., Dossani, R., Tilak, J. B., Yang, P.  
2014; 68 (6): 977-1004
- **Response to the Commentary "Reassessing Disparity in Access to Higher Education in Contemporary China"** *CHINA QUARTERLY*  
Wang, X., Liu, C., Zhang, L., Shi, Y., Rozelle, S., Loyalka, P.  
2014; 220: 1131-1135
- **The concept of public goods, the state, and higher education finance: a view from the BRICs** *HIGHER EDUCATION*  
Carnoy, M., Froumin, I., Loyalka, P. K., Tilak, J. B.  
2014; 68 (3): 359-378
- **Which teaching practices improve student performance on high-stakes exams? Evidence from Russia** *INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT*  
Zakharov, A., Carnoy, M., Loyalka, P.  
2014; 36: 13-21
- **Can information and counseling help students from poor rural areas go to high school? Evidence from China** *JOURNAL OF COMPARATIVE ECONOMICS*  
Loyalka, P., Liu, C., Song, Y., Yi, H., Huang, X., Wei, J., Zhang, L., Shi, Y., Chu, J., Rozelle, S.  
2013; 41 (4): 1012-1025
- **Information, college decisions and financial aid: Evidence from a cluster-randomized controlled trial in China** *ECONOMICS OF EDUCATION REVIEW*  
Loyalka, P., Song, Y., Wei, J., Zhong, W., Rozelle, S.  
2013; 36: 26-40
- **University Expansion in the BRIC Countries and the Global Information Economy** *Change: The Magazine of Higher Learning*  
Carnoy, M., Loyalka, P., Froumin, I.  
2013: 36-43
- **The distribution of financial aid in China: Is aid reaching poor students?** *CHINA ECONOMIC REVIEW*  
Loyalka, P., Song, Y., Wei, J.  
2012; 23 (4): 898-917
- **The effects of attending selective college tiers in China** *SOCIAL SCIENCE RESEARCH*  
Loyalka, P., Song, Y., Wei, J.  
2012; 41 (2): 287-305
- **The effect of primary school mergers on academic performance of students in rural China** *INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT*  
Liu, C., Zhang, L., Luo, R., Rozelle, S., Loyalka, P.  
2010; 30 (6): 570-585