

# VIVIAN C. WONG

Curry School of Education  
University of Virginia  
405 Emmet Street South  
Charlottesville, VA 22903-2495  
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## CURRENT POSITION

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Title: **Assistant Professor of Research, Statistics, and Evaluation**  
Education Leadership, Foundations, and Policy (EDLF)  
University of Virginia, 2012-Present

## EDUCATION

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- 2010 Northwestern University, Evanston, IL  
Ph.D. in Human Development and Social Policy,  
School of Education and Social Policy
- 1998 The University of Chicago, Chicago, IL  
B.A. with Honors / Department: General Studies in Humanities with  
Honors

## PROFESSIONAL EXPERIENCE AND AFFILIATIONS

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- 2012-present Affiliate, Virginia Education Science Training Program, UVa  
2012-present Affiliate, Center on Education Policy and Workforce  
Competitiveness, UVa
- 2010-2012 Institute for Policy Research Postdoctoral Research Fellow,  
Evanston, IL
- 2006-2009 Institute of Education Sciences, Multidisciplinary Program in  
Education Sciences Fellow, Evanston, IL
- 2004-2010 Institute for Policy Research Predoctoral Fellow, Evanston, IL  
2003-2004 University Fellowship, Northwestern University, Evanston, IL  
2001-2003 Research Assistant, Education Development Center, Boston, MA  
1999-2001 Research Manager, New York Times Digital, Boston, MA  
1998-1999 Research Assistant, SIECUS, Washington, DC  
1996-1998 Community Organizer, Illinois Caucus for Adolescent Health,  
Chicago, IL

## SPONSORED RESEARCH

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- Cohen, J. & Wong, V.C. (2017-18). Pilot Evaluation of Using Simulated Environments for Improving Teacher Preparation, Jefferson Trust, \$50,000. Co-principal investigator in the design, implementation, and analysis of the RCT.
- Cohen, J. & Wong, V.C. (2017-18). Identifying and Mitigating the Role of Racial Implicit Bias in Teacher Preparation, Bankard Fund, \$60,000. Co-principal investigator in the design, implementation, and analysis of the RCT.
- Bassok, D. & Wong, V.C. (2016-17). The Effects of Full Day Preschool: Experimental Evidence from Colorado. \$28,221. Co-principal investigator in the design, implementation, and analysis of the RCT. Grant is administered through Education Policy Works.
- Cohen, J. & Wong, V.C. (2015-16). A Pilot Evaluation for Mitigating Racial Implicit Bias among Pre-Service Teachers. \$10,000. Co-principal investigator in the design, implementation, and analysis of the RCT.
- Wong, V.C. & Steiner, P.M. (2015-18). Collaborative Research: Developing Methodological Foundations for Empirical Evaluations of Non-Experimental Methods in STEM Intervention Evaluations. National Science Foundation, Promoting Research and Innovation in Methodologies. \$601,489. Principal investigator responsible for leading and managing of project. UVA component of grant (\$366,707) is administered through Education Policy Works.
- Wong, V.C. (2015-17). How Accountable Were States under NCLB? States' Implementation Stringency under NCLB, and the Impact on Student Outcomes in AERA Research Grants. \$33,000. Principal investigator responsible for leading and managing of project. Grant is administered through Education Policy Works.
- Wong, V.C. (2015-17). Impact of NCLB on Students' Non-Cognitive Outcomes, Bankard Foundation. \$30,000. Principal investigator responsible for leading and managing of project.
- Wong V.C. (2014-15). Meta-analysis of empirical evaluation of non-experimental methods. Curry IDEAs grant. \$10,000. Principal investigator responsible for leading and managing of project.

## SCHOLARSHIP

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### PUBLICATIONS

#### *Peer Review Journals*

- (12) **Wong, V.C.**, Wing, C., & Martin, D.M. (first revision). Did States Use Implementation Discretion to Reduce the Stringency of NCLB? Evidence from a Database of State Regulations. *Educational Researcher*.
- (11) Steiner, P.M. & **Wong, V.C.** (second revision). Assessing Correspondence between Experimental and Non-Experimental Results in Within-Study Comparisons. *Evaluation Review*.
- (10) **Wong, V.C.** & Steiner, P.M. (second revision). Designs of Empirical Evaluations of Non-Experimental Methods in Field Settings. *Evaluation Review*.

- (9) Hallberg, K., **Wong, V.C.**, Cook, T.D. (second revision). Evaluating Methods for Selecting School-Level Comparisons in Quasi-Experimental Designs: Results from a Within-Study Comparison. *Journal of Policy Analysis and Management*.
- (8) **Wong, V.C.**, Valentine, J., Miller-Bain, K. (2017). Covariate Selection in Education Observation Studies: A Review of Results from Within-study Comparisons. *Journal on Research on Educational Effectiveness*, 10 (1).
- (7) **Wong, V.C.** & Wing, C (2016). The Regression Discontinuity Design and the Social Corruption of Quantitative Indicators. *Observational Studies*, 2, 182-209.
- (6) **Wong, V. C.**, Steiner, P.M., Cook, T.D. (2013). Analyzing regression-discontinuity designs with multiple assignment variables: A comparative study of four estimation methods. *Journal of Educational and Behavioral Statistics*, 37(5).
- (5) Shadish, W.R., Galindo, R., **Wong, V.C.**, Steiner, P.M., & Cook, T.D. (2011). A randomized experiment comparing random to cutoff-based assignment. *Psychological Methods*, 16(2), 179-191.
- (4) Cook, T. D., & **Wong, V. C.** (2008). Empirical tests of the validity of the regression discontinuity design. *Annales d'Economie et de Statistique*. No. 91/92(July-December), pp. 127-150.
- (3) Cook, T. D., & **Wong, V. C.** (2007). The warrant for universal pre-K: Can several thin reeds make a strong policy boat? *Social Policy Report*, XXI(3), 14-15.
- Reprinted in *Prevention Action*, October 2007.
- (2) Cook, T. D., Shadish, W. R., & **Wong, V. C.** (2008). Three conditions under which experiments and observational studies often produce comparable causal estimates: New findings from within-study comparisons. *Journal of Policy Analysis and Management*, 27(4), 724-750.
- Reprinted (2008) in M. Pirog (Ed.), *Social Experimentation, Program Evaluation, and Public Policy* (Vol. Journal of Policy Analysis and Management: Classics series). New York: Wiley-Blackwell.
- (1) **Wong, V. C.**, Cook, T. D., Barnett, W. S., & Jung, K. (2008). An effectiveness-based evaluation of five state pre-kindergarten programs. *Journal of Policy Analysis and Management*, 27(1), 122-154.
- Reprinted (2008) in M. Pirog (Ed.), *Social Experimentation, Program Evaluation, and Public Policy* (Vol. Journal of Policy Analysis and Management: Classics series). New York: Wiley-Blackwell.

#### *Books*

Roberts, G., Vaughn, S., **Wong, V.C.**, & Beretvas, S.N. (2016). *Treatment Fidelity in Studies of Educational Intervention*. New York, NY: Routledge.

#### *Edited volumes*

- (2) Cook, T.D., Wong, M., & **Wong, V.C.** (2011). The interdependence of politics and science in the evolution of Head Start. In N. Stein & S. Raudenbush (Eds.), *Developmental Cognitive Science Goes to School* (pp. 300-313). New York, NY: Routledge.
- (1) Daley, D., Ornstein, S., & **Wong, V.** (2002). SIECUS Looks at States' Sexuality Laws and the Sexual Rights of Citizens. In K. Davidson, N. Moore, P. Moore, & J. DeLamater (Eds.), *Speaking of Sexuality: Interdisciplinary Readings*. Los Angeles, CA: Roxbury Publishing Company.

#### *Book chapters*

- (3) **Wong, V.C.**, Wing, C., Steiner, P.M., Wong, M., & Cook, T.D. (2012). Research designs for program evaluation. In W. Velicer & J. Schinka (eds.), *Handbook of Psychology: Research Methods in Psychology*. (2<sup>nd</sup> ed.). Hoboken, NJ: Wiley and Sons.
- (3) Hallberg, K., Wing, C., **Wong, V.C.**, & Cook, T.D. (2012). Experimental Design for Causal Inference: Clinical Trial and Regression-Discontinuity Designs. In T. Little (ed.), *The Oxford Handbook of Quantitative Methods*. Oxford, UK: Oxford University Press.
- (2) Cook, T. D., & **Wong, V. C.** (2008). Better quasi-experimental practice. In P. Alasuutari, J. Brannen, & L. Bickman (Eds.), *The Handbook of Social Research*. London: Sage.
- (1) Hirsch, B. J. & **Wong, V.** (2004). After-School Programs. In D. DuBois & M. Karcher (Eds.), *Handbook of Youth Mentoring*. Thousand Oaks, CA: Sage Publications.

#### *Research reports*

- (3) **Wong, V.C.** & Bassok, D. (in press). *Evaluating PreK-3rd Initiatives: A guide to substantive, methodological and practical considerations*. Washington, DC: Foundation for Child Development.
- (2) Cook, T. D., **Wong, V. C.**, Taylor, J., Gandhi, A., Kendziora, K., Choi, K., et al. (2009). *Impacts of School Improvement Status on Students with Disabilities: Feasibility Report*. Washington, DC: American Institutes for Research.
- (1) Daley, D. & **Wong, V.** (1999). *Between the Lines: States' Implementation of the Federal Government's Section 510(b) Abstinence Education Program in Fiscal Year 1998*. New York: SIECUS Publications.

## PRESENTATIONS

### *Selected invited lectures (since 2010)*

#### 2017

- (8) Wong, V.C. & Steiner, P.M. (2017). *Design of Replication Studies*. Causal Inference Workshop at Columbia University, New York.

#### 2016

- (7) Wong, V.C. (2016). *Using Simulated Measures for Addressing Descriptive and Causal Questions*. OPRE Methodological Advancement Meeting, Washington, DC.

#### 2014

- (6) Wong, V.C. (2014). *Design Variants for Evaluating Non-Experimental Methods in Field Settings*. Abt Associates, Washington, DC.

- (5) Wong, V.C. (2014). *Causal Inference for Program Evaluation*. YMCA, Chicago, IL.

- (4) Wong, V.C. (2014). *Observational Studies, Quasi-Experiments, and Natural Experiments. Heterogeneous Treatment Effects*. Northwestern School of Medicine, Chicago, IL.

#### 2012

- (3) Wong, V.C. (2012)  
*Better Quasi-Experimental Practice.*  
*Addressing Implementation Problems in Field Experiments.*  
University of Texas at Austin, Austin, TX.

- (2) Wong, V.C. (2012). *School Level Matching in Observational Studies*. University of Virginia, Charlottesville, VA.

- (1) Wong, V.C. (2012). *Modeling and Multiple Assignment Variables*. OPRE Methodological Advancement Meeting, Washington, DC.

#### 2010

- (1) Wong, V.C. (2010). *The multiple regression-discontinuity design*. Institute for Education Sciences, Washington, DC.

### *Selected conference presentations (since 2010)*

#### 2017

- (12) Steiner, P.M. & Wong, V.C. Assessing Correspondence in (Design-) Replication Studies. Society for Research on Educational Effectiveness, Washington, DC.

#### 2016

- (11) Steiner, P.S. & Wong, V.C. (2016). Correspondence in Empirical Evaluations of Non-experimental Methods. Society for Research on Educational Effectiveness, Washington, DC.
- (10) Wong, V.C. (2016). States' Implementation of NCLB Policies. Society for Research on Educational Effectiveness, Washington, DC.

#### 2015

- (9) Wong, V.C. (2015). Assessing Correspondence in Empirical Evaluations of Non-experimental Methods. Association of Policy Analysis and Public Management, Miami, FL.
- (8) Wong, V.C. (2015). How Accountable are Schools under NCLB? Association of Policy Analysis and Public Management, Miami, FL.

#### 2014

- (7) Wong, V.C. (2014). *Methodological Foundations for Evaluating Non-Experimental Methods in Field Settings*. Association of Policy Analysis and Public Management, Albuquerque, NM.
- (6) Wong, V.C. (2014). *Addressing Sorting Problems at the Regression-Discontinuity Cutoff*. Association of Policy Analysis and Public Management, Albuquerque, NM.

#### 2013

- (5) McConeghy, Wing, C. & Wong, V. C. (2013). *Evaluating Interrupted Time Series Methods: Results from a Within-Study Comparison Design*. Association of Policy Analysis and Public Management, Washington, DC.
- (4) Wong, V. C. (2013). *School Level Matching in Observational Studies*. Society for Research on Educational Effectiveness, Washington, DC.

#### 2012

- (3) Wong, V. C. (2012). *Intact Group Matching in Education Evaluation Studies*. Association of Policy Analysis and Public Management, Baltimore, MD.
- (2) Wong, V. C. (2012). *Analyzing Regression Discontinuity Designs with Multiple Assignment Variables*. Society for Research on Educational Effectiveness, Washington, DC.

#### 2011

- (1) Wong, V.C. (2011). *Games that Schools Play: Manipulation of the assignment mechanism by schools under No Child Left Behind*, Society for Research on Educational Effectiveness, Washington, DC.

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## **TEACHING**

### *Courses taught*

Fall 2014	Educational Statistics 1: Introduction to Statistics Field Experiments <i>University of Virginia</i>
Spring 2014	Educational Statistics 3: Correlation and Regression Field Experiments <i>University of Virginia</i>
Fall 2013	Educational Statistics 3: Correlation and Regression <i>University of Virginia</i>
Spring 2013	Field Experiments <i>University of Virginia</i>
Fall 2012	Educational Statistics 3: Correlation and Regression <i>University of Virginia</i>

### *Workshops*

2015-2017	IES Workshop on Quasi-Experimental designs (lead instructor)
2012	IES Workshop on Within-study Comparisons (lead instructor)
2007-2010	IES Workshop on Quasi-experimental Designs (teaching assistant)
2010	IES Cluster RCT workshop (teaching assistant)

## **SERVICE**

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### **SELECTED PEER REVIEW ACTIVITIES**

#### *Grant Review Boards*

U.S. Department of Education (2014-2016; 2017-2020)

Principal Member, Institute for Education Science Stats/Methods Panel

Reviewer, Institute for Education Sciences Stats/Methods Panel  
(2011-2012, 2015-2016, 2016-2017)

Reviewer, Institute for Education Sciences Early Childhood Education  
Panel (2012-2013)

Reviewer, Institute for Education Sciences Reading, Writing, and  
Language Panel (2013-2014) (2014-2015)

Spencer Foundation (2013)

#### *Journals and Conferences*

Guest editor for two special issues on “design-replication studies” in *Evaluation Review*  
(forthcoming)

#### Editorial Boards

- Journal of Research on Educational Effectiveness
- Educational Evaluation and Policy Analysis

Regularly reviews submissions at journals including:

- American Journal of Evaluation
- Child Development
- Education Evaluation and Policy Analysis
- Education Researcher
- Economics of Education Review
- Evaluation and Program Planning
- Educational Researcher
- Journal of Education and Behavioral Statistics
- Journal of Obesity
- Journal of Research on Educational Effectiveness
- Journal of Policy Analysis and Management
- Research Synthesis Methods

Society for Research on Educational Effectiveness, regularly

Reviewer, Vernon Memorial Prize, JPAM, 2010

Discussant/Chair: APPAM conferences, regularly

#### **SELECTED CONSULTATIONS (since 2010)**

##### 2014

Consultant, Research Methodologist, Johns Hopkins University  
Consultant, Research Methodologist, Northwestern University  
Consultant, Research Methodologist, Ohio State University  
Consultant, Research Methodologist, University of Oregon  
Consultant, Research Methodologist, What Works Clearinghouse

##### 2013

Consultant, Research Methodologist, University of Austin Texas

##### 2012

Consultant, High Scope Foundation, University of New Mexico  
Consultant, Research Methodologist, University of New Mexico

#### **PROFESSIONAL AFFILIATIONS**

Association of Policy Analysis and Public Management  
Society for Research on Educational Effectiveness  
American Educational Research Association

#### **PROFESSIONAL AFFILIATIONS (2010 onwards)**

2014 Principal Member, IES Review Panel for Statistics and Modeling  
2010 Institute of Education Sciences Outstanding Predoctoral Fellow Award,  
Washington, DC