
Fiona M. Hollands

**Associate Director and Senior Researcher
Center for Benefit-Cost Studies of Education
Teachers College, Columbia University
Thompson 230, Box 181
525 West 120th Street
New York, NY 10027**

(212) 678 3351 (office)

(212) 678 3474 (fax)

fmh7@tc.columbia.edu

Employment:

- April 2012 - Current Associate Director and Senior Researcher, Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.
- October 2010 - April 2012 Research Associate, Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.
- 2009 - 2012 Adjunct Associate Professor, Teachers College, Columbia University.
- Courses taught:
Human Development Department: Sociology Program, Policy Seminar II, Sociological Research Methods – Program Evaluation (2009 and 2010).
- Education Policy and Social Analysis Department: Leadership, Policy and Politics Program, Master’s Degree Capstone Seminar (2011 and 2012).
- 2003 – Current Independent education researcher, evaluator and consultant, including to Center for Technology and School Change, Teachers College, Columbia University.
- 1996 - 1997 Mathematics teacher at Rice High School, Manhattan, NY.
- 1988 – 1995 J.P. Morgan, London, Paris, New York. Last position: Vice President, J.P. Morgan Securities Inc. Emerging Markets Syndicate Desk, New York.

Current and Recent Projects:

2014-2017 Methods Training for Research using Cost-Effectiveness and Cost-Benefit Analysis. (Instructor and CBCSE Cost Tool Kit Coordinator). Funded by Institute for Education Sciences, U.S. Department of Education.

2014-2015: Cost Analysis of Detectors of Engagement and Affect. (Principal Investigator).

2013-2015: CBCSE Cost Tool Kit Development. (Co-Principal Investigator). Funded by Institute for Education Sciences, U.S. Department of Education.

2013-2015: Greenwich Public Schools Digital Learning Environment (Evaluator).

2013-2015: MOOCs: Expectations and Reality. (Principal Investigator).

2011-2013: Cost-effectiveness Analysis of Educational Alternatives. (Project Director). Funded by Institute for Education Sciences, U.S. Department of Education.

Education:

1997- 2003

Ph.D. Politics and Education, Teachers College, Columbia University, NY. Dissertation: *The Impact of Computer Use on the Individualization of Students' Learning Experiences in Public Middle School Science Classrooms.*

1995 - 1996

M.A. Sociology & Education, Teachers College, Columbia University, NY. Major graduate papers:
School Design Project;
Curriculum Design: *Life Outside School* (ERIC document);
Evaluating Educational Software.

1985 - 1988

Christ Church, Oxford University: Pure & Applied Biology, B.A. Honours.

Undergraduate Projects:

"*Evolution and distribution of herbicide resistance in Poa annua.*"
"Oxbridge Careers" - a survey investigating undergraduate career selection and guidance.

Book:

Hollands, F.M. & Tirthali, D. (2015). *MOOCs in Higher Education, Institutional Goals and Paths Forward.* Palgrave Macmillan, NY. ISBN 978-1137553027

Selected Papers:

Hollands, F. M., Kieffer, M. J., Shand, R., Pan, Y., & Cheng, H. (2015). Cost-effectiveness analysis of early reading programs: a demonstration with recommendations for future research. *Journal of Research on Educational*

Effectiveness, DOI: 10.1080/19345747.2015.1055639

Hollands, F. M. & Bakir, I. (2015). [*Efficiency of automated detectors of learner engagement and affect compared with traditional observation methods*](#). Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.

Hollands, F. & Tirthali, D. (2014). Resource requirements and costs of developing and delivering MOOCs. *The International Review of Research in Open and Distance Learning*.15(5), 113-132.

Hollands, F. & Tirthali, D. (2014). Why do institutions offer MOOCs? *Online Learning* (formerly *Journal of Asynchronous Learning Networks*), 18(3), 1-19.

Hollands, F. M., Bowden, A. B., Levin, H. M., Belfield, C. R., Cheng, H., Shand, R., Pan, Y., & Hanisch-Cerda, B. (2014). Cost-effectiveness analysis in practice: interventions to improve high school completion. *Educational Evaluation and Policy Analysis*, 36(3), 307-326.

Hollands, F. & Tirthali, D. (2014). [*MOOCs: expectations and reality. Full Report*](#). Center for Benefit-Cost Studies of Education, Teachers College, Columbia University. ERIC report ED547237.

Hollands, F. & Tirthali, D. (2014). *MOOCs: expectations and reality*. Paper presented at the Annual Meeting of the American Educational Research Association, Philadelphia, PA.

Hollands, F. M., Pan, Y., Shand, R., & Cheng, H. (2013). *Cost-effectiveness analysis of early literacy programs*. Paper presented at the Annual Conference of the Society for Benefit-Cost Analysis, Washington, DC.

Hollands, F. M., Pan, Y., Shand, R., Cheng, H., Levin, H. M., Belfield, Kieffer, M., C. R., Bowden, A. B., & Hanisch-Cerda, B. (2013). *Improving early literacy: cost-effectiveness analysis of effective reading programs*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.

Hollands, F.M. (2012). *Using cost-effectiveness analysis to evaluate School of One*. Paper presented at the Annual Meeting of the American Educational Research Association, Vancouver, Canada.

Levin, H. M., Belfield, C. R., Hollands, F. M., Bowden, A. B., Cheng, H., Shand, R., Pan, Y., & Hanisch-Cerda, B. (2012). *Cost-effectiveness analysis of interventions that improve high school completion*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.

Belfield, C., Hollands, F., & Levin, H. (2011). *Providing Comprehensive Educational Opportunity to low-income students: What are the social and economic returns?* New York, NY: Campaign for

Educational Equity. Teachers College, Columbia University.

Hollands, F.M. (2011). *Is online and blended learning cost-effective?* Paper presented at the 27th Annual Conference on Distance Teaching and Learning, Madison, WI.

Hollands, F. (2011). Is online education cost-effective? In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 1535-1537). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE) <http://www.editlib.org/p/36514>.

Hollands, F.M. (2009). *Student-led conferences for inner city students*. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, CA.

Meier, E. B., Hollands, F. M., Mineo, C. M., Powell, K., & Moeller, B. (2008). *Math For All: An opportunity to develop our civic responsibility to inclusion students*. Paper presented at the Annual Meeting of the American Educational Research Association, New York, NY.

Meier, E. B., Powell, K., Hollands, F. M., Moeller, B., & Dubitsky, B. (2007). *Preparing teachers to teach mathematics in inclusion classrooms: A multimedia, case-based approach*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.

Hollands F.M. (2005). *How technology policy translates to student computer use in New York City schools*. Paper presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada.

Hollands F.M. (2004). *The impact of computer use on the individualization of students' classroom learning experiences*. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, CA.

Technical Documents:

Bakir, I. & Hollands, F.M. (2015). *Finding National Prices*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.

Hollands, F., Hanisch-Cerda, B., Menon, A., Levin, H. & Belfield, C. (2015). User Manual for *CostOut* - the CBCSE Cost Tool Kit. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.

Software:

CostOut – the CBCSE Cost Tool Kit <http://www.cbsecosttoolkit.org/>

Conference committees:

Learning with MOOCs Workshop 2015, Teachers College, Columbia University, Program Committee.

Current Advisories: Education Development Center’s NSF-funded “Science Fairs under the ‘Scope’” research study on costs and benefits of school science fairs.

Recent invited presentations/panels:

October 2015: Learning with MOOCs 2015 Conference. Panel Moderator “MOOC Platforms: the Year Ahead.”

May 2015: [Online Learning and Credit Recovery: What We Know from Research and Practice](#). Discussant for webinar hosted by REL Northeast & Islands.

March 2015: USNY Technology Policy and Practices Council, Albany, NY: *Online learning in K-12 and in higher education.*

October 2014: William Paterson University, Panelist: *DigitalU: Practices in Digital Teaching.*

September 2014: Colgate University, NY, [Benton Scholars Online Education Symposium](#) featuring [Thought Leaders in Education Policy and Curriculum](#): *MOOCs, Online Learning and the Future of Higher Education.*

June 2014: USNY Technology Policy and Practices Council, New York, NY. *What can MOOCs help us achieve?*

June 2014: [MOOCs: Scaling Corporate Learning](#). Online Symposium. *Resource requirements and costs of developing and delivering MOOCs.*

May 2014: Presenter at the Society for Prevention Research’s Pre-conference Workshop *Building the Economic Case for Prevention: Methods & Tools for Assessing the Resource Needs and Economic Costs of Preventive Intervention.*

April 2014: Postsecondary National Policy Institute's MOOC Seminar for Congressional Staffers. Keynote Speaker; Panelist: *The MOOC Campus: A Conversation with Institutions*; Panelist: *MOOCs: Potential, Pitfalls & Policy Implications.*

March 2014: TEDx Teachers College, New York, NY. *MOOCs and the Future.*

February 2014: NYSCATE Blended and Online Learning Summit, Albany, NY. *The MOOCscape: Challenges and Opportunities for New York State.*

December 2013: USNY Technology Policy and Practices Council, New York, NY. *MOOCs: What’s in them for New York State?*

December 2013: MOOC Research Initiative. Arlington, TX. Panelist: *Strategy and Leadership* (courtesy of the Bill & Melinda Gates Foundation).

November 2013: Guest lecturer for T561 *Transforming Education through Emerging Technologies* (Dede), Harvard Graduate School of Education.

December 2012: PACE (Policy Analysis for California Education) Seminar *Assessing the Cost-effectiveness of Online and Blended Learning*.

Reviewer for:

Review of Educational Research (RER).
International Review of Research in Open and Distance Learning (IRRODL).
Journal of Benefit-Cost Analysis.

Service:

Campaign for Educational Equity Taskforce, Teachers College, 2010;
Christ Church, Oxford University, Board of Benefactors;
Collegiate School Science Advisory Board;
LSi Braintrust - OECD Challenge, 2015;
Macaulay Honors College (CUNY) Advisory Council 2012-2015;
New York City iZone Research Advisory Council;
New York City Outward Bound Schools Board of Directors, 2008-2012: Executive Committee, Chair of Comprehensive Services Committee;
Teachers College School Partnerships Committee;
Technology Policy and Practices Council, University of the State of New York.

Languages:

French, Portuguese.