

Andrew Dean Ho

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POSITIONS

2014 - Present	Professor of Education, Harvard Graduate School of Education
2013 - 2014	Associate Professor, Harvard Graduate School of Education
2009 - 2013	Assistant Professor, Harvard Graduate School of Education
2009 - 2010	Visiting Scholar, Stanford University School of Education
2005 - 2009	Assistant Professor, Educational Measurement and Statistics, University of Iowa

EDUCATION

2000 - 2005	Stanford University
	Ph.D. in <u>Educational Psychology</u> , 2005 M.S. in <u>Statistics</u> , 2003
1995 - 1999	Brown University
	Sc.B. <i>magna cum laude</i> in <u>Neuroscience</u> , 1999

FELLOWSHIPS AND AWARDS

2013	Palmer O. Johnson Memorial Award (with Sean Reardon, Outstanding Article, American Educational Research Association)
2010	Jason Millman Promising Measurement Scholar Award (National Council on Measurement in Education)
2009	National Academy of Education/Spencer Postdoctoral Fellowship
2008	Thomas N. Urban Research Award (Iowa Academy of Education)
2007	Spencer Foundation Exemplary Dissertation Award
2007	Brenda H. Loyd Outstanding Dissertation Award (National Council on Measurement in Education)
2007	Mary Catherine Ellwein Outstanding Dissertation Award (Quantitative Research, Division D, American Educational Research Association)
2004	Spencer Dissertation Fellowship for Research Related to Education
2004	Harold Gulliksen Psychometric Research Fellowship (Educational Testing Service)
2003	Walter J. Gores Award for Excellence in Teaching (Stanford University Award)
2000	Stanford University School of Education, First Year Fellowship

EXTERNAL GRANTS

Co-Principal Investigator, with Dr. Sean Reardon. *Patterns of achievement and achievement gaps among school districts: New data, new measures, new insights*. The Spencer Foundation. #201500058. \$500,000. 9/1/2014-8/31/2016.

Co-Principal Investigator, with Dr. Lori Breslow and Dr. Daniel Hastings. *Understanding the edX MOOC: How can Circuits and Electronics (6.002x) help us understand the MOOC learning experience?* National Science Foundation. DRL-1258448. Rapid Response Research Program. \$200,000. 10/1/2012-9/30-2013.

Co-Principal Investigator, with Dr. Sean Reardon. *Addressing Practical Problems in Achievement Gap Estimation: Nonparametric Methods for Censored Data*. Institute of Education Sciences. R305D110018. Statistical and Research Methodology. \$697,878. 4/1/2011-3/31/2013

Principal Investigator, with Dr. Stephen Dunbar. *Evaluating the Impact of the Choice of Test Score Scale on the Measurement of Individual Student Growth*. Institute of Education Sciences. R305U070008. Unsolicited Research Grant. \$273,844. 9/1/2007-8/31/2010.

Principal Investigator. *Going Long: Metric-Free Representations of Test Score Trajectories over Multiple Time Points*. The Spencer Foundation. #200800075. \$25,000. 8/1/07-1/31/09.

Principal Investigator. *A Framework for Subscale-Level Comparisons of NAEP and State Testing Results Using Metric-Free Gap and Trend Statistics*. Institute of Education Sciences. R902B06007. Secondary Analysis of National Assessment of Educational Progress Data. \$63,496. 5/15/06-5/14/07.

JOURNAL ARTICLES (mouse over published articles for hyperlinks)

Reardon, S. F., & Ho, A. D. (in press). Practical issues in estimating achievement gaps from coarsened data. *Journal of Educational and Behavioral Statistics*.

Yee, D. S., & Ho, A. D. (in press). Discreteness causes bias in percent-above-cutoff comparisons: A case study from educational testing. *American Statistician*.

Miller, K., Schell, J., Ho, A. D., Lukoff, B., & Mazur, E. (2015). Response switching and self-efficacy in Peer Instruction classrooms. *Physical Review Special Topics – Physics Education Research*, 11.

Castellano, K. E., & Ho, A. D. (2015). Practical differences among aggregate-level conditional status metrics: From median student growth percentiles to value-added models. *Journal of Educational and Behavioral Statistics*, 40, 35-68.

DeBoer, J., Ho, A. D., Stump, G. S., & Breslow, L. (2014). Changing “course”: Reconceptualizing educational variables for Massive Open Online Courses. *Educational Researcher*, 43, 74-84.

Ho, A. D. (2014). Variety and drift in the functions and purposes of assessment in K-12 education. *Teachers College Record*, 116.

Ho, A. D., & Yu, C. C. (2014). Descriptive statistics for modern test score distributions: Skewness, kurtosis, discreteness, and ceiling effects. *Educational and Psychological Measurement*. OnlineFirst.

Seaton, D. T., Nesterko, S., Mullaney, T., Reich, J., & Ho, A. D. (2014). Characterizing video use in the catalogue of MITx MOOCs. *eLearning Papers*, 37, 33-41.

Ho, A. D. (2013). The epidemiology of modern test score use: Anticipating aggregation, adjustment, and equating. *Measurement: Interdisciplinary Research and Perspectives*, 11, 64-67.

Breslow, L., Pritchard, D. E., DeBoer, J., Stump, G. S., Ho, A. D., & Seaton, D. T. (2013). Studying learning in the worldwide classroom: Research into edX's first MOOC. *Research and Practice in Assessment*, 8, 13-25.

Castellano, K. E., & Ho, A. D. (2013). Contrasting OLS and quantile regression approaches to Student "Growth" Percentiles. *Journal of Educational and Behavioral Statistics*, 38, 190-215.

Ho, A. D., & Reardon, S. F. (2012). Estimating achievement gaps from test scores reported in ordinal "proficiency" categories. *Journal of Educational and Behavioral Statistics*, 37, 489-517.

Furgol, K. E., Ho, A. D., & Zimmerman, D. L. (2010). Estimating trends from censored assessment data under No Child Left Behind. *Educational and Psychological Measurement*, 70(5), 760-776.

Ho, A. D., Lewis, D. M., & Farris, J. L. M. (2009). The dependence of growth-model results on proficiency cut scores. *Educational Measurement: Issues and Practice*, 28(4), 15-26.

Ho, A. D. (2009). A nonparametric framework for comparing trends and gaps across tests. *Journal of Educational and Behavioral Statistics*, 34, 201-228.

Ho, A. D. (2008). The problem with "proficiency": Limitations of statistics and policy under No Child Left Behind. *Educational Researcher*, 37, 351-360.

Ho, A. D. (2007). Discrepancies between score trends from NAEP and state tests: A scale-invariant perspective. *Educational Measurement: Issues and Practice*, 26(4), 11-20.

WORKING PAPERS

Ho, A. D., Chuang, I., Reich, J., Coleman, C., Whitehill, J., Northcutt, C., Williams, J. J., Hansen, J., Lopez, G., & Petersen, R. (2015). *HarvardX and MITx: Two years of open online courses* (HarvardX Working Paper No. 10).

Ho, A. D., Reich, J., Nesterko, S., Seaton, D., Mullaney, T., Waldo, J., & Chuang, I. (2014). *HarvardX and MITx: The First Year of Open Online Courses*. (HarvardX and MITx Working Paper No. 1)

Reich, J., Nesterko, S., Seaton, D., Mullaney, T., Waldo, J., Chuang, I., & Ho, A. D. (2014). *Health in Numbers and Human Health and Global Environmental Change: 2012-2013*. Harvard School of Public Health course reports (HarvardX Working Paper No. 2)

... with an additional 2 HarvardX working papers and 11 MITx working papers at <http://harvardx.harvard.edu/harvardx-working-papers>

Ho, A. D. (2014). Off track: Problems with “on track” inferences in empirical and predictive standard setting.

Ho, A. D. (2014). Between the ordinal and the interval: Educational score scales and the “scale-dependence” of analytic results.

Reardon, S. F., & Ho, A. D. (2014). Practical issues in estimating achievement gaps from coarsened data.

Soliz, A., & Ho, A. D. (2014). State test score trends from 2006 to 2010: A transformed perspective on NCLB proficiency percentages.

Yee, D., & Ho, A. D. (2014). Discreteness causes substantial imprecision in percentage-based educational test score trends.

COMMISSIONED PAPERS, TECHNICAL REPORTS, CHAPTERS

Ho, A. D. (2014). Accuracy, transparency, and incentives: Contrasting criteria for evaluating growth models. In R. W. Lissitz and H. Jiao (Eds.), *Value Added Modeling and Growth Modeling with Particular Application to Teacher and School Effectiveness*. Charlotte, NC: Information Age Publishing:

Castellano, K. E., & Ho, A. D. (2013). *A practitioner’s guide to growth models*. Report commissioned by the Council of Chief State School Officers.

Ho, A. D. (2013). *Variety and drift in the functions and purposes of assessment in K-12 education*. Paper commissioned by the Gordon Commission on the Future of Assessment in Education.

Ho, A. D., & Kane, T. J. (2013). *The reliability of classroom observations by school personnel*. Bill & Melinda Gates Foundation, Seattle, WA.

Haertel, E. H., Beauregard, R., Confrey, J., Gomez, L., Gong, B., Ho, A. D., et al. (2012). *The future of NAEP*. White paper commissioned by the NCES Initiative on the Future of NAEP.

Ho, A. D. (2011). *Supporting growth interpretations using through-course assessments*. Paper commissioned by the Center for K-12 Assessment and Performance Management at ETS.

Hoffer, T. B., Hedberg, E. C., Brown, K. L., Halverson, M. L., Reid-Brossard, P., Ho, A. D., et al. (2011). *Final report on the evaluation of the Growth Model Pilot Project*. Washington, DC: U.S. Department of Education.

Erickson, V., Ho, A. D., Holtzman, D., Jaciw, A., Lukoff, B., Shen, X., Wei, X., & Haertel, E. (2007). *Closing the Gap? A Comparison of Changes Over Time in White-Black and White-Hispanic Achievement Gaps on State Assessments Versus State NAEP* (CSE Report 721). Los Angeles, CA: National Center for Research on Evaluation, Standards, and Student Testing (CRESST), Center for the Study of Evaluation, University of California, Los Angeles.

Ho, A. D. (2007). Growth models under NCLB: Back to basics. *NCME Newsletter*, 15(4), 5-7.

Ho, A. D., & Haertel, E. H. (2007). *Apples to apples? The underlying assumptions of state-NAEP comparisons*. Paper commissioned by the Council of Chief State School Officers.

Ho, A. D., & Haertel, E. H. (2007). *(Over)-interpreting mappings of state performance standards onto the NAEP scale*. Paper commissioned by the Council of Chief State School Officers.

Ho, A. D., & Haertel, E. H. (2006). *Metric-Free Measures of Test Score Trends and Gaps with Policy-Relevant Examples* (CSE Report 665). Los Angeles, CA: National Center for Research on Evaluation, Standards, and Student Testing (CRESST), Center for the Study of Evaluation, University of California, Los Angeles.

Ho, A. D. (2005). *Addressing discrepancies between South Carolina state test score trends on the Palmetto Achievement Challenge Tests and the National Assessment of Educational Progress*. Report provided to the South Carolina Department of Education, Columbia, South Carolina.

CONFERENCE PAPERS AND PRESENTATIONS

Ho, A. D. (2014, April 5). *Between the ordinal and the interval: Pliable scales, plausible transformations*. Paper presented at the annual meeting of the National Council on Measurement in Education, Philadelphia, PA

Shear, B., Castellano, K., Reardon, S. F., & Ho, A. D. (2014, March 7). *Simultaneous estimation of multiple achievement gaps from ordinal proficiency data*. Paper presented at the spring meeting of the Society for Research on Educational Effectiveness. Washington, DC.

Reardon, S. F., Ho, A. D., & Kalogrides, D. (2013, April 29). *Addressing measurement error and sampling variability in nonparametric gap estimation*. Paper presented at the annual meeting of the National Council on Measurement in Education. San Francisco, CA.

Ho, A. D., & Reardon, S. F. (2013, April 29). *Practical achievement gap estimation in a nonparametric framework*. Paper presented at the annual meeting of the National Council on Measurement in Education. San Francisco, CA.

Reardon, S. F., Ho, A. D., & Kalogrides, D. (2013, April 30). *Addressing sampling variability in nonparametric gap estimation*. Paper presented at the annual meeting of the American Educational Research Association. San Francisco, CA.

Ho, A. D., & Reardon, S. F. (2013, April 30). *Practical achievement gap estimation in the NCLB era*. Paper presented at the annual meeting of the American Educational Research Association. San Francisco, CA.

Ho, A. D. (2013, April 30). *Off track: Problems with “on track” inferences in empirical and predictive standard setting*. Paper presented at the annual meeting of the National Council on Measurement in Education. San Francisco, CA.

Castellano, K. E., & Ho, A. D. (2013, April 27). *A practitioner’s guide to growth models*. Preconference Workshop. Annual meeting of National Council on Measurement in Education. San Francisco, CA.

Ho, A. D., & Kane, T. J. (2013, March 15). *The reliability of classroom observations by school personnel*. Annual conference of the Association for Education Finance and Policy. New Orleans, Louisiana

Reardon, S. F., & Ho, A. D. (2013, March 8). *Estimating achievement gaps from NCLB-type categories*. Invited Symposium. Society for Research on Educational Effectiveness. Washington, DC.

Ho, A. D. (2011). *Lord’s paradox and the use of growth and value-added models for school accountability*. Paper presented at the 2011 International Meeting of the Psychometric Society, Hong Kong, China.

Ho, A. D. (2011). *A psychometrician’s perspective on consortia approaches to measuring teacher effectiveness*. Paper presented at the 2011 meeting of the American Educational Research Association, New Orleans, LA.

Ho, A. D., & Reardon, S. F. (2011). *Estimating achievement gaps from test scores reported in ordinal “proficiency” categories*. Paper presented at the 2011 meeting of the American Educational Research Association, New Orleans, LA.

Ho, A. D. (2010). *Beyond the bubble: Disproportionate gains at the “proficiency” cut score across state tests and NAEP*. Paper presented at the 2010 meeting of the American Educational Research Association, Denver, CO.

Ho, A. D. (2009). *Graphical methods for comparing trends, gaps, and gap trends across tests*. Paper presented at the 2009 meeting of the National Council on Measurement in Education, San Diego, CA.

Ho, A. D. (2009). *A three-level hierarchy of perspectives on the vertical-scale-sensitivity of growth models*. Paper presented at the 2009 meeting of the American Educational Research Association, San Diego, CA.

Ho, A. D. (2008). *Using parametric assumptions to frame trends in categorical proficiency data under the U.S. No Child Left Behind Act*. Presented at the 2008 International Meeting of the Psychometric Society, Dover, New Hampshire.

Ho, A. D., & Magda, T. R. (2008). *The dependency of growth models on proficiency standards*. Paper presented at the 2008 annual meeting of the National Council on Measurement in Education, New York, New York, and the National Conference on Student Assessment, Orlando, Florida.

Furgol, K. E., & Ho, A. D. (2008). *Is NCLB inflating trends at proficiency? A nonparametric, cross-state analysis of trends across cut scores*. Poster presented at the 2008 annual meeting of the National Council on Measurement in Education, New York, New York

Magda, T. R., & Ho, A. D. (2008). *Comparing trends at different cut scores: Distribution-wide NCLB and NAEP comparisons from 2003 to 2007*. Paper presented at the 2008 annual meeting of the American Educational Research Association, New York, New York.

Thiessen, B. A., Magda, T. R., & Ho, A. D. (2008). *Nonparametric comparisons of high-stakes and low-stakes trends and gaps: 2003-2007*. Paper presented at the 2008 annual meeting of the American Educational Research Association, New York, New York.

Ho, A. D. (2007). *Probability-Probability (PP)-based trend statistics for more than two time points*. Paper presented at the 2007 International Meeting of the Psychometric Society, Tokyo, Japan.

Ho, A. D. (2007). *State-NAEP standard mappings: Cautions and alternatives*. Invited presentation at the National Conference on Large-Scale Assessment, Council of Chief State School Officers, Nashville, Tennessee.

Ho, A. D. (2007). *Describing the pliability of growth statistics under transformations of the vertical scale*. Paper presented at the 2007 annual meeting of the National Council on Measurement in Education, Chicago, Illinois.

Magda, T. R., & Ho, A. D. (2007). *A distribution-wide view of high-stakes test score trends*. Paper presented at the 2007 annual meeting of the American Educational Research Association, Chicago, Illinois.

Ho, A. D. (2006). *Describing the pliability of effect-size based trend and gap statistics under monotone transformations*. Paper presented at the 2006 International Meeting of the Psychometric Society, Montreal, Canada.

Ho, A. D. (2006). *Discrepancies between score trends on NAEP and state tests: An analysis using metric-free statistics*. Paper presented at the 2006 annual meeting of the American Educational Research Association, San Francisco, California.

Lukoff, B., Wei, X., Shen, X., Ho, A. D., & Haertel, E. H. (2006). *Using test content to address trend discrepancies between NAEP and California state tests*. Paper presented at the 2006 annual meeting of the American Educational Research Association, San Francisco, California.

Ho, A. D., & Haertel, E. H. (2005). *Metric-free methods for evaluating and interpreting gaps between test-score distributions*. Paper presented at the 2005 annual meeting of the American Educational Research Association, Montreal, Canada.

Ho, A. D., & DiBello, L. V. (2004). *Policy applications of the fusion model for skills diagnosis*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Diego, California.

Ho, A. D., & Haertel, E. H. (2003). *Criterion-referenced testing: An idea in need of a theory*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, Illinois.

CONSULTING, PANELS, COMMISSIONS, SERVICE

National Assessment Governing Board (2012-present). Board member.

HarvardX Research Committee (2014-present). Co-Chair. (2012-2013). Chair.

New York Technical Advisory Committee (2012-present). Committee Member

Texas Technical Advisory Committee (2011-present). Committee Member.

Gordon Commission on the Future of Assessment in Education (2011-2013).
Commissioner.

Institute of Education Sciences Review Panel (2012)
Statistics and Modeling Review Panel Member.

NCES Initiative on the Future of NAEP (2012). Panel Member.

National Council on Measurement in Education. Training Session Presenter: Tips for Graduate Students (2006-2012). Brenda H. Loyd Outstanding Dissertation Award Committee (2011-2012)

College Board Pathway Linking Advisory Team (2011-2012)
Advisory Team Member.

Assessing Teaching Collaboratory, Carnegie Foundation for the Advancement of Teaching

(2011). Collaborator.

Aspen Institute (2011, April)

Faculty expert at the Aspen Senior Congressional Education Staff Network, on Standards and Assessment: Implications of the Common Core and Assessments

Experts Bringing Evidence to Practitioners (2009, 2010)

IES-funded REL initiative for four talks, in Chicago, Anchorage, Seattle, and Eugene, entitled “Interpreting Test Score Trends and Gaps.”

American Educational Research Association. Minority Fellowship Advisory Committee (2006-2009).

National Institute of Statistical Sciences (2008)

NISS/NESSI Task Force on Full Population Estimates for NAEP (Member)

Reviewer: *Educational Researcher, Journal of Educational and Behavioral Sciences, Educational Measurement: Issues and Practice, Educational Assessment, Science*, National Center for Education Statistics.

VARIOUS SPEAKING ENGAGEMENTS (2012-2014)

Ho, A. D. (2014, May 7). *Massive Open Online Courses (MOOCs) and the promise and pitfalls of Big Data*. Invited presentation. ETS. Princeton, NJ.

Ho, A. D. (2014, April 16). *Between the ordinal and the interval: Pliable scales, plausible transformations*. Invited presentation. New Directions in Assessment. Cambridge, MA.

Ho, A. D. (2014, March 6). *Item Response Theory and the fragility of educational test score scales*. Preconference Workshop. Society for Research on Educational Effectiveness. Washington, DC.

Ho, A. D. (2013, June 25). *edX, HarvardX, and open online education*. Institute for Management and Leadership in Education. Programs in Professional Education. Harvard Graduate School of Education. Cambridge, MA.

Ho, A. D. (2013, June 18). *Building assessment literacy*. Data Wise. Programs in Professional Education. Harvard Graduate School of Education. Cambridge, MA.

Ho, A. D. (2013, June 18). *A practitioner’s guide to growth models*. Webinar. Strategic Data Project. Center for Education Policy Research. Harvard University. Cambridge, MA.

Ho, A. D. (2013, June 17). *Estimating achievement gaps from proficiency-level data*. Technical Issues in Large-Scale Assessment. Spring meeting of the State Collaboratives on Assessment and Student Standards, Council of Chief State School Officers. National Harbor, MD.

Ho, A. D. (2013, June 6). *Between the ordinal and the interval: Educational score scales and the “scale dependence” of analytical results*. Center for Education Policy Analysis. Stanford University. Stanford, CA.

Ho, A. D. (2013, May 8). *The art of teaching: Evidence and assessment*. Invited Speaker. Annual conference of the Harvard Initiative for Teaching and Learning. Cambridge, MA.

Ho, A. D. (2013, May 7). *HarvardX, HGSE, and education’s digital future*. Invited Speaker. Harvard Graduate School of Education. Dean’s Leadership Council. New York, NY.

Ho, A. D. (2013, April 29) *The Gordon Commission: Perspectives on the future of assessment*. Presidential Session. Discussant. Annual meeting of the American Educational Research Association. San Francisco, CA.

Ho, A. D. (2013, April 28). *The roles of the testing profession in addressing problems of educational policy and practice*. Discussant. Robert L. Linn Distinguished Address Award (given to E. H. Haertel). Annual meeting of the American Educational Research Association. San Francisco, CA.

Ho, A. D. (2013, April 28). *Projection models are superior to Student Growth Percentiles for K-12 accountability systems*. Debate of the Day. Annual meeting of the National Council on Measurement in Education. San Francisco, CA.

Ho, A. D. (2013, March 7). *Test score scales and why they matter: Practical methods for assessing the scale-dependence of analytic results*. Preconference Workshop. Society for Research on Educational Effectiveness. Washington, DC.

Ho, A. D. (2013, January 16). *Unstable ground: The dependence of test-based accountability metrics on educational score scales*. Distinguished Lecture. Pearson Center for Applied Psychometric Research. University of Texas at Austin. Austin, TX.

Ho, A. D. (2012, October 18). *Accuracy, transparency, and incentives: Contrasting criteria for evaluating growth models*. Maryland Assessment Research Center for Education Success (MARCES) Assessment Conference: Value Added Modeling and Growth Modeling with Particular Application to Teacher and School Effectiveness. College Park, MD.

Ho, A. D. (2012, August 9). *Learning from recent advances in measuring teacher effectiveness*. Discussant. Institute of Education Sciences, U.S. Department of Education, Washington, DC.

Ho, A. D. (2012, June 29). *Cross-cutting issues in recent state growth modeling efforts*. Discussant. National Conference on Student Assessment, Minneapolis, MN.

Castellano, K. E., & Ho, A. D. (2012, May 9). *A practitioner’s guide to growth models*. Joint presentation to the Accountability Systems and Reporting (ASR) and the Technical Issues in Large-Scale Assessment (TILSA) working groups. Spring meeting of the State Collaboratives on Assessment and Student Standards (SCASS), Council of Chief State School Officers (CCSSO),

National Harbor, MD.

Ho, A. D. (2012, April 15). *NCES initiative on the future of NAEP: Future links, future reporting metrics*. NAEP Studies Special Interest Group. Annual meeting of the American Educational Research Association, Vancouver, BC.

Ho, A. D. (2012, April 15). *Value added in Arizona: Specifics, statistics, and impact*. Discussant. Division H – Research, evaluation, and assessment in schools. Annual meeting of the American Educational Research Association, Vancouver, BC.

Ho, A. D. (2012, April 14). *Public hearing on the Gordon Commission on the Future of Assessment in Education*. Presidential Session. Annual meeting of the American Educational Research Association, Vancouver, BC.

Ho, A. D. (2012, April 13). *Paths to the professoriate*. Workshop. Tips for graduate students: Advice for finishing school, obtaining a job, and starting a career. Annual meeting of the National Council on Measurement in Education, Vancouver, BC.

Ho, A. D. (2012, April 6). *Truth and consequences: A quantitative panel*. Discussant. Student Research Conference, Harvard Graduate School of Education, Cambridge, MA.

Ho, A. D. (2012, March 26). *A(nother) classification scheme for growth models: Why it's getting harder (and more important) to describe what we mean by "growth."* Invited speaker. Joint seminar for the College Board, ETS, and the Law School Admissions Council, Princeton, NJ.

Ho, A. D. (2012, March 5). *Five things to remember about educational assessment*. Guest lecturer for 11.125: Understanding and Evaluating Education. Massachusetts Institute of Technology, Cambridge, MA.

Ho, A. D. (2012, February 8). *A practitioner's guide to growth models*. Joint presentation to the Accountability Systems and Reporting (ASR) and the Technical Issues in Large-Scale Assessment (TILSA) working groups. Winter meeting of the State Collaboratives on Assessment and Student Standards. Council of Chief State School Officers (CCSSO), San Antonio, TX.

Ho, A. D. (2012, February 3). *Good measures of teaching effectiveness*. Inaugural symposium for the Harvard Initiative for Learning and Teaching, Cambridge, MA.

TEACHING EXPERIENCE

Harvard Graduate School of Education, Cambridge, MA. (Fall, 2010 through Fall, 2014)
Principles of Educational Measurement, Applied Regression, and Applied Data Analysis.

University of Iowa, Iowa City, IA. (Spring, 2006 through Spring, 2009)
Introductory and Intermediate Statistics, Factor Analysis and Structural Equation Models

Stanford University, Stanford, CA. (Autumn, 2002 through Winter, 2003)

Introductory Statistics and Regression Analysis (Assistant)

The Thacher School, Ojai, CA. (Autumn, 1999 to Spring, 2000)
AP and Freshman Physics, Advising.