Emily H Ho, PhD

Northwestern University
625 N Michigan Avenue, Suite 2700, Chicago, Illinois, 60611
Email: emily-ho@northwestern.edu

ACADEMIC APPOINTMENTS

2020 -   Research Assistant Professor, Department of Medical Social Sciences
             Northwestern University
             Feinberg School of Medicine

2017   Visiting Researcher, Department of Social and Decision Sciences
             Carnegie Mellon University
             Hosts: George Loewenstein and Cleotide Gonzalez

2014-2017   Psychometric Intern, Department of Research, The College Board

EDUCATION

2020	PhD	Fordham University	Department of Psychology Psychometrics and Quantitative Psychology
2014	MA	Fordham University	Psychology, *Phi Beta Kappa*
2012	BA	New York University	Psychology, *cum laude*

HONORS AND AWARDS

2018   Rising Star Award for Policy Insights, International Behavioral Exchange

INVITED LECTURES

2020   Keynote speaker. Cognitive Economics Society Annual Meeting *[declined due to COVID-19]*
2019   Royal Holloway University, Department of Psychology *[declined due to schedule conflict]*
        Temple University, Fox School of Business, Department of Marketing
        Northwestern University, Feinberg School of Medicine, Department of Medical Social Sciences
        R-Ladies NYC Monthly Speaker Series

GRANT AWARDS

DRMS 1919055 (David Budescu and Emily Ho)	6/1/2019 – 6/1/2021
National Science Foundation	Role: Co-PI
Developing and Validating a Method of Coherence-based Judgment Aggregation	

The objective of this project is to develop and test, using Automatic Item Generation, an individual difference measure of probabilistic coherence. This measure will used as weights in real forecasting predictions to produce accurate aggregates.

UG3OD023337 (Rosalind Wright)   9/1/2020 – 8/31/2021
NIH/Icahn School of Medicine at Mount Sinai   Role: Psychometrician
ECHO Consortium on Perinatal Programming of Neurodevelopment
The objective of this project is to examine the effect of environmental exposures on child health and brain development across the developmental trajectory. The psychometrician will provide expertise on analyzing outcome measures.

U24OD023319 (Richard Gershon/David Cella)   9/1/2016 – 8/31/2023
NIH/Office of the Director   Role: Psychometrician
ECHO PRO Research Resource: A Developmentally-based Measurement Science Framework for Assessing Environmental Exposure and Child Health

The role of the lead psychometrician in this project is to, in consultation with other scientists and content experts, design and analyze results for a nation-wide norming study for all of NIH Toolbox's existing Cognition, Motor, Emotion, and Sensation measures for ages 3-85, as well as establish an evidence-base for the validity of new measures.

5U2CAG057441-02 (Richard Gershon/Sandra Weintraub)   9/1/2017 – 4/30/2021
National Institute on Aging   Role: Psychometrician
ARMADA: Advancing Reliable Measurement in Alzheimer's Disease and cognitive Aging

The aim of this project is to assess psychosocial outcomes in cognitive aging population; furthermore, it is to develop psychometric norms for the NIH Toolbox® for older participants beyond 85 years of age.

Pending

U01DC019578 (Pamela Dalton/Valentina Parma)   12/1/20 – 11/30/23
National Institute of Health/ Monell Chemical Senses Center   Role: Statistical Consultant
SCENTinel: A Rapid Smell Test for COVID-19 Surveillance

The aim of this project is to assess the predictive validity of a new olfaction test in predicting the COVID-19 positive participants in various geographically diverse community samples. The role of the statistical consultant is to provide support for experimental and analysis design.

PUBLICATIONS

Ho, E. H., Hagmann, D., & Loewenstein, G. (2020). Measuring information preferences. *Management Science*. doi: 10.1287/mnsc.2019.3543
Data and code: https://osf.io/4rbve/

Ho, E. H., Chajewski, M., Antal, J. (2019). Effects of repetitiously equating non-parallel test forms on a test vertical scale. *Multivariate Behavioral Research*. [Abstract] 55*(1)*, 159. doi: 10.1080/00273171.2019.1699393

PUBLICATIONS (continued)

Ho, E. H. & Budescu, D. V. (2019). Climate uncertainty communication. *Nature Climate Change*, *News and Views*. *Vol* 9, p. 802-803. doi: 10.1038/s41558-019-0606-6

Ho, E. H., Budescu, D., Bosetti, V., van Vuuren, D., & Keller, K. (2019). Not all carbon dioxide emission scenarios are equally likely: a subjective expert assessment. 155*(4)*, 545-561. *Climatic Change*. doi: 10.1007/s10584-019-2500-y

Hagmann, D.*, Ho, E. H.*, & Loewenstein, G.* (2019). Nudging out support for a carbon tax. *Nature Climate Change*, 9(6), 484–489. doi: 10.1038/s41558-019-0474-0
Data and code: https://osf.io/w4u5q/

Ho, E. H., Budescu, D., & Por, H. H. (2017). Psychological challenges in communicating about climate change and its uncertainties. *Oxford Encyclopedia for Climate Change Communication*. doi: 10.1093/acrefore/9780190228620.013.381

Ho, E. H., Budescu, D. V., Dhami, M. K., & Mandel, D. R. (2015). Improving the communication of uncertainty in climate science and intelligence analysis. *Behavioral Science & Policy*, 1*(2)*, 43–55. doi: 101353/bsp.2015.0015

Rasmussen, A., Verkuilen, J., Ho, E. H., & Fan, Y. (2015). Posttraumatic stress disorder among refugees: Measurement invariance of Harvard Trauma Questionnaire scores across global regions and response patterns. *Psychological Assessment,* 27*(4)*, 1160–1170. doi: 10.1037/pas0000115

* denotes equal authorship

Works in Progress

MacKinnon, D., Smyth, H., Somers, J., Ho, E. H., Norget, J., De Paepe, A., van der Hoeven, M., Miocevic, M. (*Submitted*). A permutation test for single subject mediation. *Evaluation and the Health Professions*.

Ho, E. H., and Budescu, D. A measure of coherence to pre-identify superior forecasters. *[data collection complete and manuscript drafted]*

Ho, E. H., Chajewski, M., & Antal, J. Estimating vertical scale drift as a function of repetitious horizontal equating. *[data collection and simulations completed; writing in progress]*

Verkuilen, J., & Ho, E. H. Alpha reliability diagnostics. *[draft complete]*

Technical Manual

Ho, E. H. (2017). RepEquate: An optimal equating system. College Board.

MEDIA COVERAGE AND APPEARANCES ───────────────────

Popular Press

Harvard Business Review: https://hbr.org/2020/09/we-actively-avoid-information-that-can-help-us

Scientific American: https://www.scientificamerican.com/article/why-do-people-avoid-facts-that-could-help-them/
National Public Radio: https://stateimpact.npr.org/pennsylvania/2019/05/16/it-isnt-easy-being-green-new-research-explores-potential-downside-of-nudging-people-to-behave-differently/
Ars Technica: https://arstechnica.com/science/2019/05/people-drop-support-for-a-carbon-tax-when-getting-less-effective-nudges/
Salon: https://www.salon.com/2019/05/27/the-bad-news-about-nudges-they-might-be-backfiring
Chicago Policy Review: http://chicagopolicyreview.org/2016/08/22/understanding-uncertainty-how-to-improve-communication-around-climate-change-evidence-2/

Podcast Interviews

Schwab Choiceology: https://www.schwab.com/resource-center/insights/content/choiceology-season-6-episode-5
Parsing Science: https://www.parsingscience.org/2020/06/09/emily-ho/

CONFERENCE PRESENTATIONS

2020   Ho, E., Nowinski, C., Gershon, R., & Weintraub, S. Differences in emotional health across age groups in cognitively healthy adults and with Mild Cognitive Impairment and Alzheimer's Disease: Results from Advancing Reliable Measurement in Alzheimer's Disease and Cognitive Aging (ARMADA). International Society for Quality of Life Research. Virtual.

Ho, E., & Budescu, D. Developing and validating a method of coherence-based judgment aggregation. American Psychological Society. Chicago, IL *[canceled due to COVID-19]*

2019   Hagmann, D., Ho, E. H., & Loewenstein, G. Nudging out support for a carbon tax. Subjective Utilities, Probabilities, and Decision Making, Amsterdam, Netherlands.

Ho, E. H., Hagmann, D. & Loewenstein, G. Measuring information preferences. ASSA. Atlanta, Georgia.

2018   Hagmann, D., Ho, E. H., and Loewenstein, G. The hidden cost of soft paternalism in climate change. Society for Judgment and Decision Making. New Orleans, Louisiana.

Ho, E. H., Hagmann, D. & Loewenstein, G. Measuring information preferences. University of Pennsylvania-Carnegie Mellon University Roybal Retreat. Skytop, Pennsylvania.

2017   Ho, E. H., Budescu, D., Bosetti, V., Keller, K., & van Vuuren, D. Expert elicitation of CO_2 emissions in 2100. Subjective Probabilities, Utilities, and Decision-Making. Haifa, Israel.

Ho, E. H., Budescu, D., Bosetti, V., Keller, K., & van Vuuren, D. Expert elicitation of CO_2 emissions in 2100. European Geosciences Union. Vienna, Austria.

2016   Ho, E. H., Hagmann, D. & Loewenstein, G. Information aversion in medical decision-making. University of Pennsylvania-Carnegie Mellon University Roybal Retreat. Skytop, Pennsylvania.

Ho, E. H., Chajewski, M., & Antal, J. Estimating vertical scale drift as a function of repetitious horizontal equating. National Council for Measurement in Education. Washington, DC.

Ho, E. H., Hagmann, D., & Loewenstein, G. The misery of knowing: The Information Aversion scale. Network for Integrated Behavioural Science. University of East Anglia, London, UK.

2015   Ho, E. H., Chajewski, M., & Antal, J. Estimating vertical scale drift as a function of repetitious horizontal equating. Northeastern Education Research Association Annual Meeting. Trumbull, CT.

Ho, E. H., Budescu, D., Dhami, M. K., & Mandel, D. R. On the effective communication of uncertainty: Lessons from the climate change and intelligence analysis domains. Subjective Probabilities, Utilities, and Decision Making. Budapest, Hungary.

2014   Ho, E., & Budescu, D. Deriving an empirically based linguistic probability lexicon. American Risk and Insurance Society. Seattle, WA.

Verkuilen, J. Ho, E. H., & Kaczetow, W., Alpha reliability as a linear model. National Council for Measurement in Education. Philadelphia, PA.

2009   Carleton, J. & Ho, E. H. Somatic treatment of attachment issues: applying neuroscientific and experimental research to the clinical situation. CA-SPR Regional Conference, Montreal, Canada.

Posters

2020   Ho, E. H., & Budescu, D. V. Developing and validating a method of coherence-based judgment aggregation. Society for Judgment and Decision Making. Montreal, Canada.

2019   Ho, E. H., Budescu, D. V., Bosetti, V., Keller, K., & van Vuuren, D. Expert elicitation of CO_2 Emissions in 2100. Workshop for Single Subject Causal Mediation Analysis. Leiden, Netherlands.

2017   Ho, E. H., Hagmann, D., & Loewenstein, G. Measuring information preferences. Society for Judgment and Decision Making. Vancouver, Canada.

Ho, E. H., Hagmann, D., & Loewenstein, G. Measuring information preferences. Psychonomics. Vancouver, Canada.

2015   Ho, E. H., & Budescu, D. V. A comparison of theoretical and empirical distance metrics applied to nonparametric distributions. Chicago, IL.

2014   Ho, E. H., & Budescu, D. V. Deriving an empirically-based linguistic probability lexicon. Long Beach, CA.

TEACHING

Graduate courses

2019   Teaching Assistant, Summer School in Computational Social Science
Massachusetts Institute of Technology
2014   Teaching Assistant, Introduction to Psychological Statistics
2013   Teaching Assistant, Regression

Undergraduate courses

2018-19   Instructor of Record, Introduction to Psychological Statistics
2009-10   Teaching Assistant, Introduction to Psychological Statistics

SERVICE

Ad-Hoc Reviewer

Journal   *Nature Climate Change*
Nature Communications
Behavioral Science and Policy
Conflict and Health

Education Measurement: Issues and Practice
PloS One
Journal of Experimental Psychology: Learning, Memory, and Cognition
Weather, Climate and Society
Current Opinion in Environmental Sustainability
Journal of Behavioral Decision Making

Book   *CRC Press*

Committees

2020	Inclusion, Diversity, Engagement, and Action Committee, Faculty Member
	Hiring and Recruitment Sub-Group, Faculty Member
2016	Graduate Student Member, Department Faculty Search for Quantitative Psychology, Fordham
2016	Panel organizer, "A guide to writing effective and successful grants", Northeastern Education Research Association
2015-17	Psychology Department Representative, Graduate Student Association, Fordham

SUMMER SCHOOLS AND WORKSHOPS

2019	Single Subject Causal Mediation Analysis, Lorentz Center, Leiden University
	Summer Institute in Computational Social Science (Teaching Assistant) Massachusetts Institute of Technology
2018	Custom Psychometric Solutions in Shiny
	National Council for Measurement in Education Pre-Conference Training
2017	Summer School on Decisions, Law, and the Big Data Revolution
	Technion University
2016	Using Innovation, Evidence, and Behavioral Science to Build Economic Opportunity and Create Stronger Communities: A Summit for State and Local Governments
	ideas42
	Spring School in Behavioral Economics
	UC San Diego
2014	Summer School in Sustainable Climate Risk Management
	Pennsylvania State University
2013	NSF Advanced Training Institute in web-based research in decision-making
	California State University, Fullerton

Professional Memberships

Society for Judgment and Decision Making, American Psychological Association, American Education Research Association, American Economic Association, International Society for the Quality of Life

Software

R, SAS, SPSS, MPlus, ARCGis

References ──

David V. Budescu
Anne Anastasi Professor of Psychometrics and Quantitative Psychology
Fordham University
Department of Psychology
441 East Fordham Road, Dealy Hall, Room 220
Bronx, New York, 10458
budescu@fordham.edu
+1 718-817-3786

George Loewenstein
Herbert A. Simon University Professor of Economics and Psychology
Carnegie Mellon University
Department of Social and Decision Sciences
5000 Forbes Avenue, BP 208
Pittsburgh, PA 15213
gl20@andrew.cmu.edu
+1 412-268-3665

Jay Verkuilen
Associate Professor
CUNY Graduate Center
Department of Educational Psychology
365 Fifth Avenue, Room 3204
New York, NY 10016
jverkuilen@gc.cuny.edu
+1 212-817-8285