

**Andrew F. Hayes, PhD**

Haskayne School of Business  
University of Calgary  
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**EDUCATION**

Ph.D., Psychology  
CORNELL UNIVERSITY  
January 1996

B.A. (Honors), Psychology  
SAN JOSE STATE UNIVERSITY  
December 1990  
Communication Studies minor

**RELEVANT EMPLOYMENT HISTORY**

University of Calgary  
Calgary, Alberta, Canada  
Haskayne School of Business  
*Distinguished Research Professor (2021-)*  
Department of Psychology  
Adjunct Professor (2021-)  
Canadian Centre for Research Analysis and Methods  
*Founder and Academic Director (2022-)*

Queen's University  
Kingston, Ontario, Canada  
Smith School of Business  
*Visiting Scholar (July 2019-June 2020)*

The Ohio State University  
Columbus, Ohio, USA  
Department of Psychology  
*Professor (2014-2020)*  
School of Communication (by courtesy)  
*Professor (2016-2020)*

The Ohio State University  
Columbus, Ohio, USA  
School of Communication  
*Professor (2013-2014)*  
*Associate Professor (2007-2013)*  
*Assistant Professor (2001-2007)*

Dartmouth College  
Hanover, New Hampshire, USA  
Amos Tuck School of Business Administration  
*Statistical Research Computing Associate (1998-2001)*

University of New England  
Armidale, New South Wales, Australia  
School of Psychology  
*Lecturer (1996-1998)*

## RESEARCH AND PUBLICATIONS

(\* Denotes a collaborator who was a graduate student at the time of the research or writing)

### Books (published or under contract)

Montoya, A. K., **Hayes, A. F.**, Preacher, K. J., & Page-Gould, E. (under contract). *Statistical mediation analysis: Within-subject designs*. New York: The Guilford Press.

**Hayes, A. F.** (2022). *Introduction to mediation, moderation, and conditional process analysis: A regression-based approach* (3rd Ed.) New York: The Guilford Press. (1st and 2nd editions published in 2013 and 2018)

Darlington, R. B., & **Hayes, A. F.** (2017). *Regression analysis and linear models: Concepts, applications, and implementation*. New York: The Guilford Press.

**Hayes, A. F.**, Slater, M. D., & Snyder, L. (2008). *The SAGE sourcebook of advanced data analysis methods for communication research*. Thousand Oaks, CA: Sage Publications. (Lead Editor)

**Hayes, A. F.** (2005). *Statistical methods for communication science*. New York: NY: Routledge.

### Journal Articles and Book Chapters (in review/undergoing revision, published, or in press)

**Hayes, A. F.**, & Vuong, T. T.\* (in revision). Moderated mediation and (not) “mediated moderation.” Invited chapter submitted to appear in Nichols, A. L., & Edlund, J. E. (Eds.), *Cambridge Handbook of Research Methods and Statistics for the Social and Behavioral Sciences*. Cambridge, UK: Cambridge University Press.

**Hayes, A. F.**, Allison, P. D., & Alexander, S. M. (in review). Errors-in-variables regression as a viable approach to mediation analysis with random error-tainted measurements. Estimation, effectiveness, and an easy-to-use implementation. *Manuscript submitted for publication*.

Montoya, A. K., **Hayes, A. F.**, & Juarez, N. G. (in revision). Mediation analysis in the two-group pretest-posttest design: A new approach based on treatment as a moderator of time effects. *Manuscript submitted for publication*.

Kurbatfinski, S.\*, Letourneau, N., Dewey, D., **Hayes, A. F.**, Hayden, K. A., Anis, L., & Dosani, A. (2023). Factors affecting the association between maternal adverse childhood experiences and preschool children’s behavioural problems: A systematic review of mediators and moderators. *Clinical Medicine Insights: Psychiatry*, 14 (October)

Coutts, J. J.,\* & **Hayes, A. F.** (2023). Questions of value, questions of magnitude: An exploration and application of methods for comparing indirect effects in multiple mediator models. *Behavior Research Methods*, 55, 3772-3785.

Rockwood, N. J.\*, & **Hayes, A. F.** (2022). Multilevel mediation analysis. In A. A. O'Connell, D. B. McCoach, and B. Bell (Eds). *Multilevel modeling methods with introductory and advanced applications*. Information Age Publishing.

Igartua, J.-J. & **Hayes, A. F.** (2021). Mediation, moderation, and conditional process analysis: Concepts, computations, and some common confusions. *Spanish Journal of Psychology*, 24, e49.

**Hayes, A. F.**, & Coutts, J. J.\* (2020). Use omega rather than Cronbach's alpha for estimating reliability. But.. .." *Communication Methods and Measures*, 14, 1-24.

**Hayes, A. F.**, & Rockwood, N. J.\* (2020). Conditional process analysis: Concepts, computation, and advances in the modeling of the contingencies of mechanisms. *American Behavioral Scientist*, 64, 19-54.

Rockwood, N. J.\*, & **Hayes, A. F.** (2020). Mediation, moderation, and conditional process analysis: Regression-based approaches for clinical research. In A. G. C. Wright and M. N. Hallquest (Eds), *Handbook of research methods in clinical psychology*. Cambridge University Press.

Coutts, J. J.\*, **Hayes, A. F.**, & Jiang, T.\* (2019). Easy statistical mediation analysis with distinguishable dyadic data. *Journal of Communication*, 69, 612-649.

**Hayes, A. F.** (2018). Partial, conditional, and moderated moderated mediation: Quantification, inference, and interpretation. *Communication Monographs*, 85, 4-22.

**Hayes, A. F.**, & Rockwood, N. J.\* (2017). Regression-based statistical mediation and moderation analysis in clinical research: Observations, recommendations, and implementation. *Behaviour Research and Therapy*, 98, 39-57.

**Hayes, A. F.**, Montoya, A. K.\* & Rockwood, N. J.\* (2017). The analysis of mechanisms and their contingencies: PROCESS versus structural equation modeling. *Australasian Marketing Journal*, 25, 76-81.

Montoya, A. K.\*, & **Hayes, A. F.** (2017). Two condition within-participant statistical mediation analysis: A path analytic framework. *Psychological Methods*, 22, 6-27.

**Hayes, A. F.**, & Montoya, A. K.\* (2017). A tutorial on estimating, visualizing, and probing interactions involving a multicategorical variable in linear regression analysis. *Communication Methods and Measures*, 11, 1-30.

Deery, S., Walsh, J., Zatzick, C., & **Hayes, A. F.** (2017). Exploring the relationship between compressed work hours, satisfaction, and absenteeism in front-line service work. *European Journal of Work and Organizational Psychology*, 26, 42-52.

Hanssen, M. M.\*, Vancleef, L. M. G., Vlaeyen, J. W. S., **Hayes, A. F.**, Schouten, E. G. W., & Peters, M. L. (2015). Optimism, motivational coping and well-being: Evidence supporting the importance of flexible goal adjustment. *Journal of Happiness Studies*, 16, 1525-1537.

Slater, M. D., **Hayes, A. F.**, & Chung, A.\* (2015). Injury news coverage, relative concern, and support for alcohol-control policies: An impersonal impact explanation. *Journal of Health Communication, 20*, 51-59.

**Hayes, A. F.** (2015). An index and test of linear moderated mediation. *Multivariate Behavioral Research, 50*, 1-22.

**Hayes, A. F.**, & Agler, R. A.\* (2014). On the standard error of the difference between independent regression coefficients in moderation analysis. *Multiple Linear Regression Viewpoints, 40*(2), 16-27.

**Hayes, A. F.**, & Preacher, K. J. (2014). Statistical mediation analysis with a multicategorical independent variable. *British Journal of Mathematical and Statistical Psychology, 67*, 451-470.

**Hayes, A. F.**, & Matthes, J. (2014). Self-censorship, the spiral of silence, and contemporary political communication. In K. H. Jamieson & K. Kenski (Eds), *Oxford Handbook on Political Communication*. Oxford, UK: Oxford University Press.

Vasey, M. W., Harbaugh, C. N., Fisher, L. J., Heath, J. H., **Hayes, A. F.**, & Bijttebier, P. (2014). Temperament synergies in risk for depressive symptoms: A prospective replication of a three-way interaction. *Journal of Research in Personality, 53*, 143-157.

Berndt, N. C., **Hayes, A. F.**, Verboon, P., Lechner, L., Bolman, C., & De Vries, H. (2013). Self-efficacy mediates the impact of craving on smoking abstinence in low to moderately anxious patients: Results of a moderated mediation approach. *Psychology of Addictive Behaviors, 27*, 113-124.

**Hayes, A. F.**, & Scharkow, M. (2013). The relative trustworthiness of inferential tests of indirect effects in statistical mediation analysis: Does method really matter? *Psychological Science, 24*, 1918-1927.

**Hayes, A. F.**, Matthes, J., & Eveland, W. P. Jr. (2013). Stimulating the quasi-statistical organ: Fear of social isolation motivates the quest for knowledge of the opinion climate. *Communication Research, 40*, 439-462.

**Hayes, A. F.**, & Preacher, K. J. (2013). Conditional process modeling: Using structural equation modeling to examine contingent causal processes. In G. R. Hancock & R. O. Mueller (Eds.) *Structural equation modeling: A second course* (2<sup>nd</sup> Ed), pp. 219-266. Greenwich, CT: Information Age Publishing.

Matthes, J., & **Hayes, A. F.** (2013). Methodological conundrums in spiral of silence research. In W. Donsbach, C. Salmon, and Y. Tsfati (Eds). *The spiral of silence: New perspectives on communication and public opinion*. New York: Routledge.

**Hayes, A. F.**, Glynn, C. J., & Huges, M. E. (2012). Cautions regarding the interpretation of regression coefficients and hypothesis tests in linear models with interactions. *Communication Methods and Measures, 6*, 1-11.

Matthes, J., **Hayes, A. F.**, Rojas, H., Shen, F., Min, S. J., & Dylko, I. (2012). Exemplifying a dispositional approach to cross-cultural spiral of silence research: Fear of social isolation and the inclination to self-censor. *International Journal of Public Opinion Research, 24*, 287-305.

Pollack, J., VanEpps, E. M., & **Hayes, A. F.** (2012). The moderating role of social ties on entrepreneurs' depressed affect and withdrawal intentions in response to economic stress. *Journal of Organizational Behavior, 33*, 789-810.

Slater, M. D., **Hayes, A. F.**, Goodall, K., & Ewoldsen, D. (2012). Increasing support for alcohol-control enforcement through news coverage of alcohol's role in injuries and crime. *Journal of Studies on Alcohol and Drugs*, 73, 311-315.

Parker, R., Nouri, H., & **Hayes, A. F.** (2011). Distributive justice, promotion instrumentality, and turnover intentions in public accounting firms. *Behavioral Research in Accounting*, 23, 169-186.

**Hayes, A. F.**, Preacher, K. J., & Myers, T. A. (2011). Mediation and the estimation of indirect effects in political communication research. In E. P. Bucy & R. L. Holbert (Eds), *Sourcebook for political communication research: Methods, measures, and analytical techniques*. (p. 434-465). New York: Routledge.

**Hayes, A. F.**, & Preacher, K. J. (2010). Quantifying and testing indirect effects in simple mediation models when the constituent paths are nonlinear. *Multivariate Behavioral Research*, 45, 627-660.

**Hayes, A. F.**, Uldall, B.\*, & Glynn, C. J. (2010). Validating the willingness to self-censor scale II: Inhibition of opinion expression in a conversational setting. *Communication Methods and Measures*, 4, 256-272

Myers, T. A.\*, & **Hayes, A. F.** (2010). Reframing the casualties hypothesis: (Mis)perception of troop loss and public opinion about military intervention. *International Journal of Public Opinion Research*, 22, 256-275.

Slater, M. D., & **Hayes, A. F.** (2010). The influence of youth music television viewership on changes in cigarette use and association with smoking peers: A social identity, reinforcing spirals perspective. *Communication Research*, 37, 751-773

**Hayes, A. F.** (2009). Beyond Baron and Kenny: Statistical mediation analysis in the new millennium. *Communication Monographs*, 76, 408-420.

**Hayes, A. F.**, & Matthes, J. (2009). Computational procedures for probing interactions in OLS and logistic regression: SPSS and SAS implementations. *Behavior Research Methods*, 41, 924-936.

**Hayes, A. F.**, & Myers, T. A.\* (2009). Testing the "proximate casualties hypothesis": Local troop loss, attention to war news, and support for military intervention. *Mass Communication and Society*, 12, 379-402.

Slater, M. D., Goodall, C. E.\*, & **Hayes, A. F.** (2009). Self-reported news attention does assess differential processing of media content: An experiment on risk perceptions utilizing a random sample of U.S. local crime and accident news. *Journal of Communication*, 59, 117-134.

Slater, M. D., **Hayes, A. F.**, Reineke, J. B.\*, Long, M. A., & Bettinghaus, E. (2009). Newspaper coverage of cancer prevention: Multilevel evidence for knowledge-gap effects. *Journal of Communication*, 59, 514-533.

Preacher, K. J., & **Hayes, A. F.** (2008a). Asymptotic and resampling strategies for assessing and comparing indirect effects in multiple mediator models. *Behavior Research Methods*, 40, 879-891.

Preacher, K. J., & **Hayes, A. F.** (2008b). Contemporary approaches to assessing mediation in communication research. In A. F. Hayes, M. D. Slater, and L. B. Snyder (Eds), *The Sage sourcebook of advanced data analysis methods for communication research* (pp. 13-54). Thousand Oaks, CA: Sage Publications.

Cai, L.\*, & **Hayes, A. F.** (2008). A new test of linear hypotheses in OLS regression under heteroscedasticity of unknown form. *Journal of Educational and Behavioral Statistics*, 33, 21-40.

David, P., Song, M.\*, **Hayes, A. F.**, & Fredin, E. S. (2007). A cyclic model of information seeking in hyperlinked environments: The dynamics of motivation, goals, and self-efficacy. *International Journal of Human-Computer Studies*, *65*, 170-182.

**Hayes, A. F.**, & Cai, L.\* (2007). Using heteroscedasticity-consistent standard error estimators in OLS regression: An introduction and software implementation. *Behavior Research Methods*, *39*, 709-722.

**Hayes, A. F.**, & Cai, L.\* (2007). Further evaluating the conditional decision rule for comparing two independent means. *British Journal of Mathematical and Statistical Psychology*, *60*, 217-244.

**Hayes, A. F.**, & Krippendorff, K. (2007). Answering the call for a standard reliability measure for coding data. *Communication Methods and Measures*, *1*, 77-89.

**Hayes, A. F.** (2007). Exploring the forms of self-censorship: On the spiral of silence and the use of opinion expression avoidance strategies. *Journal of Communication*, *57*, 785-802.

**Hayes, A. F.**, & Reineke, J. B.\* (2007). The effects of government censorship of war-related news coverage on interest in the censored coverage: A test of competing theories. *Mass Communication and Society*, *10*, 423-438.

Preacher, K. J., Rucker, D. D., & **Hayes, A. F.** (2007). Addressing moderated mediation hypotheses: Theory, methods, and prescriptions. *Multivariate Behavioral Research*, *42*, 185-227.

Shanahan, J., Glynn, C. J., & **Hayes, A. F.** (2007). The spiral of silence: A meta-analysis and its impact. In R. Preiss, B. Gayle, N. Burrell, M. Allen, & J. Bryant. (Eds.). *Mass media effects research: Advances through meta-analysis* (pp. 415-427). Mahwah, NJ: Erlbaum

Slater, M. D., **Hayes, A. F.**, & Ford, V. (2007). Examining the moderating and mediating roles of news exposure and attention on adolescent judgments of alcohol-related risks. *Communication Research*, *34*, 355-381.

Frost, C. A., Gordon, E. A., & **Hayes, A. F.** (2006). Stock exchange disclosure and market development: An analysis of 50 international exchanges. *Journal of Accounting Research*, *44*, 437-483.

**Hayes, A. F.** (2006). A primer on multilevel modeling. *Human Communication Research*, *32*, 385-410.

**Hayes, A. F.**, Scheufele, D. A., & Huges, M. E.\* (2006). Nonparticipation as self-censorship: Publicly-observable political activity in a polarized opinion climate. *Political Behavior*, *28*, 259-283.

Slater, M. D., Snyder, L., & **Hayes, A. F.** (2006). Thinking and modeling at multiple levels: The potential contribution of multilevel modeling to communication theory and research. *Human Communication Research*, *32*, 375-384.

Schnurr, P. P., **Hayes, A. F.**, Lunney, C. A., McFall, M., & Uddo, M. (2006). Longitudinal analysis of the relationship between symptoms and quality of life in veterans with posttraumatic stress disorder. *Journal of Consulting and Clinical Psychology*, *74*, 707-713.

Eveland, W. P., **Hayes, A. F.**, Shah, D. V., & Kwak, N. (2005). Understanding the relationship between communication and political knowledge: A model-comparison approach using panel data. *Political Communication*, *22*, 423-446.

Eveland, W. P., **Hayes, A. F.**, Shah, D. V., & Kwak, N. (2005). Observations on the estimation of communication effects on political knowledge and a test of intracommunication mediation. *Political Communication, 22*, 505-510.

**Hayes, A. F.**, Glynn, C. J., & Shanahan, J. (2005). Validating the willingness to self-censor scale: Individual differences in the effect of the climate of opinion on opinion expression. *International Journal of Public Opinion Research, 17*, 443-455.

**Hayes, A. F.**, Glynn, C. J., & Shanahan, J. (2005). Willingness to self-censor: A construct and measurement tool for public opinion research. *International Journal of Public Opinion Research, 17*, 298-323.

Farley, J. U., **Hayes, A. F.**, & Kopalle, P. K. (2004). Choosing and upgrading financial services dealers in the U.S. and U.K. *International Journal of Research in Marketing, 21*, 359-375.

Kocsis, R. N., & **Hayes, A. F.** (2004). Believing is seeing?: Investigating the perceived accuracy of criminal psychological profiles. *International Journal of Offender Therapy and Comparative Criminology, 48*, 149-160.

Preacher, K. J.\*, & **Hayes, A. F.** (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. *Behavior Research Methods, Instruments, and Computers, 36*, 717-731.

Knott, A., **Hayes, A. F.**, & Neslin, A. (2002). Next-product-to-buy models for cross-selling applications. *Journal of Interactive Marketing, 16*(3), 59-75.

Kocsis, R. N., **Hayes, A. F.**, & Irwin, H. (2002). Investigative experience and accuracy in psychological profiling of a violent crime. *Journal of Interpersonal Violence, 17*, 811-823.

**Hayes, A. F.**, Shanahan, J., & Glynn, C. J. (2001). Willingness to express one's opinion in a realistic situation as a function of perceived support for that opinion. *International Journal of Public Opinion Research, 13*, 45-58.

Kocsis, R. N.\*, Irwin, H. J., **Hayes, A. F.**, & Nunn, R. (2001). Criminal psychological profiling in violent crime investigations: A comparative assessment of expertise. In Godwin, M.G. (Eds.) *Criminal psychology and forensic technology: A collaborative approach to effective profiling*. New York: CRC Press.

Darlington, R. B., & **Hayes, A. F.** (2000). Combining independent *p*-values: Extensions of the Stouffer and binomial methods. *Psychological Methods, 5*, 496-515.

**Hayes, A. F.** (2000). Randomization tests and the equality of variance assumption when comparing group means. *Animal Behaviour, 59*, 653-656.

Kocsis, R. N.\*, Irwin, H. J., **Hayes, A. F.**, & Nunn, R. (2000). Expertise in psychological profiling: A comparative assessment. *Journal of Interpersonal Violence, 15*, 311-331.

**Hayes, A. F.** (1998). SPSS procedures for approximate randomization tests. *Behavior Research Methods, Instruments, and Computers, 30*, 536-543.

**Hayes, A. F.** (1998). Within-study meta-analysis: Pooling the significance of doubly-nonindependent ("nonoverlapping") correlations. *Psychological Methods, 3*, 32-45.

Kocsis, R. N.\*, Irwin, H., & **Hayes, A. F.** (1998). Organised and disorganised criminal behaviour syndromes in arsonists: A validation study of a psychological profiling concept. *Australian and New Zealand Journal of Psychiatry, Psychology, and Law*, 5, 117-131.

Glynn, C. J., **Hayes, A. F.**, & Shanahan, J. (1997). Perceived support for one's opinions and willingness to speak out: A meta-analysis of survey studies on the "spiral of silence." *Public Opinion Quarterly*, 61, 452-461.

**Hayes, A. F.** & Dunning, D. (1997). Construal processes and trait ambiguity: Implications for self-peer agreement in personality judgment. *Journal of Personality and Social Psychology*, 72, 664-677.

**Hayes, A. F.** (1997). Cautions in testing variance equality with randomization tests. *Journal of Statistical Computation and Simulation*, 59, 25-31.

Dunning, D., & **Hayes, A. F.** (1996). Evidence for egocentric comparison in social judgment. *Journal of Personality and Social Psychology*, 71, 213-229.

**Hayes, A. F.** (1996). The permutation test is not distribution-free: Testing  $H_0: \rho = 0$ . *Psychological Methods*, 1, 184-198.

**Hayes, A. F.** (1996). PERMUSTAT: Randomization tests for the Macintosh. *Behavior Research Methods, Instruments, and Computers*, 28, 473-475.

Barnes, J., & **Hayes, A. F.** (1995). Integration of the language arts and teacher training: An examination of speech communication instruction in high school English classes. *Communication Education*, 44, 307-320.

Barnes, J., & **Hayes, A. F.** (1995). Language arts practices in the instruction of oral communication in California high schools. *Communication Reports*, 8, 61-68.

**Hayes, A. F.** (1995). Age preferences for same and opposite-sex partners. *Journal of Social Psychology*, 135, 125-133.

#### Published Conference Proceedings/Abstracts

Kang, J., Moser, D., **Hayes, A. F.**, Lin, C.-Y., Latimer, A., Heo, S., & Lennie, T. (2023). Does dietary monotony mediate the association of financial status with dietary micronutrient insufficiency in patients with heart failure. Presented at the 2022 Heart Failure Society of America. Abstract published in *Journal of Cardiac Failure*, 23, 549-550.

#### Encyclopedia Entries

**Hayes, A. F.** (2008). Sampling, Nonrandom. In W. Donsbach (Ed.), *International encyclopedia of communication* (Vol. 10, pp. 4447-4452). Oxford, UK: Blackwell.

**Hayes, A. F.** (2008). Sampling, Random. In W. Donsbach (Ed.), *International encyclopedia of communication* (Vol. 10, pp. 4453-4459). Oxford, UK: Blackwell

**Hayes, A. F.**, & Reineke, J. B.\* (2008). Perceived reality: Meta-analyses. In W. Donsbach (Ed.), *International encyclopedia of communication* (Vol. 8, pp. 3553-3557). Oxford, UK: Blackwell).



**Hayes, A. F.** (2005). Self-censorship. In B. Radcliff & S. Best (Eds.) *Polling America: An encyclopedia of public opinion*. (pp. 737-740). Westport, CT: Greenwood Press.

**Hayes, A. F.** (2005). Oneway designs: Nonparametric and resampling approaches. In B. Everitt & D. Howell (Eds.) *Encyclopedia of statistics in behavioral science* (pp. 1468-1474). Chichester, UK: Wiley & Sons.

### Conference Presentations

**Hayes, A. F.** (2019, May). *Easy statistical mediation analysis with distinguishable dyadic data*. Invited presentation delivered at the annual conference of the Association for Psychological Science, Washington DC

**Hayes, A. F.,** Coutts, J., & Jiang, T. (2019, April). *Easy statistical mediation analysis with distinguishable dyadic data*. Invited presentation delivered at the annual conference of the Midwestern Psychological Association, Chicago, IL.

**Hayes, A. F.,** & Montoya, A. K. (2018, March). *Understanding PROCESS v3: New features, building, and editing models*. Presented at the annual conference of the Society for Personality and Social Psychology, Atlanta, GA.

**Hayes, A. F.** (2017, May). *What's coming in PROCESS v3*. Invited presentation delivered at the annual conference of the Association for Psychological Science, Boston, MA.

Rockwood, N. J., & **Hayes, A. F.** (2017, May). *MLMED: An SPSS macro for multilevel mediation and conditional process analysis*. Presented at the annual conference of the Association for Psychological Science, Boston, MA.

Creedon, P. J., **Hayes, A. F.,** & Preacher, K. J. (2016, January). *Omnibus tests of the indirect effect in statistical mediation analysis with a multicategorical independent variable*. Paper presented at the Society for Personality and Social Psychology, San Diego, CA.

**Hayes, A. F.** (2016, January). *Estimating and inference about indirect effects in within-subjects mediation analysis: A path analytical perspective*. Presented as part of symposium at the Society for Personality and Social Psychology, San Diego, CA.

Creedon, P. J., & **Hayes, A. F.** (2015, May). *Small sample mediation analysis: How far can you push the bootstrap?* Paper presented at the Annual conference of the Association for Psychological Science, New York, NY.

Montoya, A. K., & **Hayes, A. F.** (2015, May). *Estimating and testing indirect effects in within-subject mediation analysis: A path-analytic framework*. Paper presented at the Annual conference of the Association for Psychological Science, New York, NY.

**Hayes, A. F.,** & Scharkow, M (2013, June). *The relative trustworthiness of popular inferential approaches to testing indirect effects in statistical mediation analysis: Does method really matter?* Paper presented at the annual meeting of the International Communication Association, London, UK.

Slater, M. D., **Hayes, A. F.,** Ewoldsen, D. & Goodall, K. (2013, June). Injury news coverage, relative concern, and support for alcohol-control policies: An impersonal impact explanation. Paper presented at the annual meeting of the International Communication Association, London, UK.

**Hayes, A. F.** (2012, May). *Integrating moderation and mediation analysis*. Symposium organizer, co-chair, and presenter at the annual conference of the Association for Psychological Science, Chicago, IL.

**Hayes, A. F.**, Matthes, J., & Eveland, W. P. Jr. (2011, May). *Stimulating the quasi-statistical organ: Fear of social isolation and the quest for knowledge of the opinion climate*. Paper presented at the annual meeting of the International Communication Association, Boston.

Slater, M. D., **Hayes, A. F.**, Ewoldsen, D., & Goodall, K. (2011, May). *Increasing support for alcohol-control enforcement through news coverage of alcohol's role in injuries and crime: An experiment using representative U.S. news stories and people*. Paper presented at the annual meeting of the International Communication Association, Boston.

Matthes, J., **Hayes, A. F.**, Rojas, H., Shen, F., Min, S. J., & Dylko, I. (2010, June). *Testing the spiral of silence theory in nine countries: An individual difference perspective*. Paper presented at the annual meeting of the International Communication Association, Singapore.

Dossett, A., & **Hayes, A. F.** (2009, May). *Hypocrites and excuse makers: The promises or perils of a mass mediated hypocrisy induction paradigm for behavior modification*. Paper presented at the annual meeting of the International Communication Association, Chicago, IL.

**Hayes, A. F.**, & Matthes, J. (2009, May). *A primer for communication researchers on probing single-degree-of-freedom interactions in regression models, with SPSS and SAS implementations*. Paper presented at the annual meeting of the International Communication Association, Chicago, IL. **(Top 4 paper in the Information Systems division)**

Matthes, J., **Hayes, A. F.**, & Shen, F. (2009, May). *Dispositional fear of social isolation and willingness to self-censor: A cross-cultural test of spiral of silence theory*. Paper presented at the annual meeting of the International Communication Association, Chicago, IL.

Slater, M. D., & **Hayes, A. F.** (2009, May). *The influence of youth MTV/VH-1 viewership on increasing rates of cigarette use and association with smoking peers: A parallel process model*. Paper presented at the annual meeting of the International Communication Association, Chicago, IL.

Lunney, C. A., Glynn, C. J., & **Hayes, A. F.** (2008, November). *Voting outside the booth: Absentee voting as a form of self-censorship*. Paper presented at the annual meeting of the Midwestern Association for Public Opinion Research, Chicago, IL.

Slater, M. D., **Hayes, A. F.**, Reineke, J. B., Long, M. A., & Bettinghaus, E. (2008, November). *Newspaper coverage of cancer prevention and prevention knowledge: Multilevel evidence for knowledge gap effects*. Paper presented at the annual meeting of the National Communication Association, San Diego, CA.

**Hayes, A. F.**, Matthes, J., Hively, M. H., & Eveland, W. P. Jr. (2008, August). *In search of the climate of opinion: A new (and novel) test of spiral of silence theory*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, Chicago, IL.

**Hayes, A. F.**, & Myers, T. A. (2008, May). *Testing the "proximate casualties" hypothesis: Local troop loss, attention to news, and support for military intervention*. Paper presented at the annual meeting of the International Communication Association, Montreal, Canada.

**Hayes, A. F.,** Glynn, C. J., & Huges, M. A. (2008, May). *Cautions in the interpretation of coefficients and hypothesis tests in linear models with interactions*. Paper presented at the annual meeting of the International Communication Association, Montreal, Canada

Reineke, J. B., **Hayes, A. F.,** & Richey, G. (2007, November). *Reporting on campaign finance success: Effects on perceptions of political candidates*. Paper presented at the annual meeting of the National Communication Association, Chicago, IL.

Nisbet, M. C., **Hayes, A. F.,** & Myers, T. (2006, November). *Testing the casualties hypothesis: Re-examining the impact of troop loss on public support for military action*. Paper presented at the annual meeting of the Midwestern Association for Public Opinion Research, Chicago, IL.

**Hayes, A. F.,** & Preacher, K. J. (2006, August). *Bootstrapping indirect effects in multiple mediator models of media effects*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, San Francisco, CA. **(Top 3 paper in the Communication Theory and Methodology division)**

**Hayes, A. F.,** Uldall, B., & Glynn, C. J. (2006, August). *“Real talk” for real: Individual differences in the effect of the climate of opinion on opinion expression in a real conversational setting*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, San Francisco, CA.

Slater, M. D., **Hayes, A. F.,** & Ford, V. (2006, August). *Examining the moderating and mediating effects of media and individual differences on adolescent perceptions of alcohol-related risks*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, San Francisco, CA.

Preacher, K. J., Rucker, D. D., & **Hayes, A. F.** (2006, February). *Demystifying moderated mediation: A unified framework for investigating conditional mediation effects in psychological research*. Paper presented at the annual meeting of the Society for Personality and Social Psychology, Palm Springs, CA.

**Hayes, A. F.** (2005, November). *A computational tool for survey shortening applicable to composite attitude, opinion, and personality measurement scales*. Paper presented at the annual meeting of the Midwestern Association for Public Opinion Research, Chicago, IL.

Schnurr, P. P., **Hayes, A. F.,** Lunney, C. A., McFall, M., & Uddo, M. (2005, November). *Longitudinal analysis of the relationship between symptoms and quality of life in veterans with posttraumatic stress disorder*. Paper presented at the annual meeting of the International Society for Traumatic Stress Studies, Toronto, Canada.

**Hayes, A. F.,** & Reineke, J.\* (2005, August). *The effects of government censorship of media coverage on interest in the censored coverage: A comparison of theoretical explanations*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, San Antonio, TX.

**Hayes, A. F.,** & Huges, M. E.\* (2004, November). *Self-censorship through nonparticipation in public political activity: Results from a national poll*. Paper presented at the annual meeting of the Midwestern Association for Public Opinion Research, Chicago, IL

**Hayes, A. F.** (2004, August). *Exploring the forms of self-censorship: An experimental investigation of the effects of the climate of opinion on strategies of opinion expression avoidance*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, Toronto, Canada **(Top 3 paper in Communication Theory and Methodology division)**.

**Hayes, A. F.** (2004, August). *Variable splitting, statistical interaction, and the efficient use of data in communication research*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, Toronto, Canada.

David, P., Song, M.\*, **Hayes, A. F.**, & Fredin, E. S. (2004, May). *A cyclical model of browsing: The dynamics of motivation, goals, and self-efficacy*. Paper presented at the annual meeting of the International Communication Association, New Orleans, LA.

Frost, C. A., Gordon, E. A., & **Hayes, A. F.** (2004, May). *Stock exchange disclosure and market liquidity: An analysis of 50 international exchanges*. Paper presented at the Journal of Accounting Research Conference. Chicago, IL.

**Hayes, A. F.**, & Huges, M. E.\* (2003, November). *Nonparticipation in public political activity as self-censorship*. Paper presented at the annual meeting of the Midwestern Association for Public Opinion Research, Chicago, IL

Eveland, W. P., **Hayes, A. F.**, Shah, D. V., & Kwak, N. (2003, July). *Understanding the relationship between communication and political knowledge: A model-comparison approach using panel data*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, Kansas City, MO. **(Top 3 paper in Communication Theory and Methodology division)**

Farley, J. U., **Hayes, A. F.**, & Kopalle, P. (2003, June). *Cross-national, cross-market marketing mix response: Combining meta-analysis and 'best practice' modeling of consumer choice*. Paper presented at the conference of the Marketing Science Institute, Noordwijk, The Netherlands. **(Winner of the Marketing Science Institute research competition on global marketing)**

**Hayes, A. F.**, Shanahan, J., Glynn, C. J., & Uldall, B.\* (2003, May). *Individual differences in willingness to self-censor*. Poster presented at the annual meeting of the American Association of Public Opinion Research, Nashville, TN.

Frost, C. A., Gordon, E. A., & **Hayes, A. F.** (2002, December). *Stock exchange disclosure and market liquidity: An analysis of 50 international exchanges*. Paper presented at the World Federation of Exchanges' Forum on Managing Exchanges in Emerging Economies, Kuala Lumpur, Malaysia.

**Hayes, A. F.**, Glynn, C. J., Shanahan, J., Scheufele, D., Moy, P., Domke, D., & Stamm, K. (2002, August). *Fear of isolation and the climate of opinion: Moderating the spiral of silence?* Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, Miami, FL.

Frost, C. A., Gordon, E. A., & **Hayes, A. F.** (2002, August). *Stock exchange disclosure and market liquidity: An analysis of 50 international exchanges*. Paper presented at the annual meeting of the American Accounting Association, San Antonio, TX.

**Hayes, A. F.**, Glynn, C. J., & Shanahan, J. (2002, August). *Individual Differences in Willingness to Self-Censor*. Paper presented at the annual meeting of the American Psychological Association, Chicago, IL.

Gwiasda, G. W.\*, Glynn, C. J., & **Hayes, A. F.** (2001, November). *The normative influence of perceived in-group support on expressed opinions*. Paper presented at the annual conference of the Midwestern Association for Public Opinion Research, Chicago, IL.

Horner, L., Fredin, E. S., & Hayes, A. F. (2001, November). *The effect of pro and con information on an issue: A survey experiment and quandaries for journalists and survey researchers*. Paper presented at the annual conference of the Midwestern Association for Public Opinion Research, Chicago, IL.

Hayes, A. F., Glynn, C. J., & Shanahan, J. (2001, May). *The role of personality factors and accuracy in predicting opinion expression*. Paper presented at the annual conference of the International Communication Association, Washington, D.C.

Dunning, D., & Hayes, A. F. (1996, April). *The role of the self in social judgment*. Paper presented at the Empire State Social Psychology Conference, Blue Mountain, NY.

Glynn, C. J., Hayes, A. F., & Shanahan, J. (1996, August). *Willingness to speak and the spiral of silence: A meta-analysis*. Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication, Anaheim, CA.

Barnes, J. A., & Hayes, A. F. (1995). *Teacher training and integration of the language arts in high school English classes*. Paper presented at the annual conference of the Speech Communication Association, New Orleans, LA

## INVITED COLLOQUIA AND STATISTICAL METHODS WORKSHOPS

Statistical Horizons LLC, Philadelphia, PA. January 2024  
Research School of Management, Australian National University, Canberra, Australia, September 2022  
School of Business, University of Alberta, Edmonton, Canada, September 2022  
Canadian Psychological Association, Quantitative Methods Division, Calgary, Canada, June 2022  
KJ Somaiya Institute of Management, Somaiya Vidyavihar University, Mumbai India, March 2021  
North-West University, Vanderbijlpark, South Africa, July 2020  
Global School in Empirical Research Methods, University of St. Gallen, Switzerland, June 2020  
Johnson School of Management, Cornell University, November 2019  
Global School in Empirical Research Methods, University of St. Gallen, Switzerland, June 2019  
Curry School of Education, University of Virginia, May 2019  
Association for Psychological Science, Washington DC, May 2019  
Midwestern Psychological Association, Chicago, April 2019  
Smith School of Business, Queen's University, Kingston Canada, March 2019  
Sauder School of Business, University of British Columbia, December 2018  
School of Business, University of Mississippi, October 2018  
Harrah College of Hospitality, University of Nevada at Las Vegas, September 2018  
Culverhouse College of Business, University of Alabama, September 2018  
University of Haifa, Israel, June 2018  
Global School in Empirical Research Methods, University of St. Gallen, Switzerland, June 2018  
National Chengchi University, Taiwan, May 2018  
Asper School of Business, University of Manitoba, April 2018  
Sauder School of Business, University of British Columbia, March 2018  
Association for Psychological Science, Atlanta, March 2018  
College of Business, Mississippi State University, March 2018  
Questrom School of Business/Carroll School of Management, Boston University/Boston College, Sept 2017  
Global School in Empirical Research Methods, University of St. Gallen, Switzerland, June 2017  
Cleveland State University, May 2017  
Asper School of Business, University of Manitoba, April 2017  
University of Cologne, Germany, October 2016

Global School in Empirical Research Methods, University of St. Gallen, Switzerland, June 2016  
Business School, Monash University, Melbourne, Australia, June 2016  
Business School, Queensland University of Technology, Brisbane, Australia, June 2016  
Research Methods Center, The Ohio State University, April 2016  
University of Pittsburgh and Carnegie Mellon University, October 2015  
Platform for Psychological Science, University of Limerick, Limerick, Ireland, October 2015  
Department of Psychology, University of Manitoba, September 2015  
Curry School of Education, University of Virginia, June 2015  
School of Social Welfare, University of California-Berkeley, May 2015  
Department of Psychology, San Jose State University, May 2015  
Association for Psychological Science, New York, May 2015  
Consortium for Advancement of Research Methods and Analysis, April 2015  
Department of Human Sciences, The Ohio State University, February 2015  
Department of Psychology and Human Development, Vanderbilt University, October 2014  
Department of Psychology, Indiana University Purdue University Indianapolis, September 2014  
School of Business, University of Adelaide, Australia, August 2014  
Research Society on Alcoholism, Bellevue, Washington, June 2014  
Association for Psychological Science, San Francisco, May 2014  
Midwestern Psychological Association, Chicago, May 2014  
Cole School of Business, Kennesaw State University, April 2014  
Department of Political Science, University of Toronto, Canada, March 2014  
Department of Consumer Behavior, University of Bern, Switzerland, October 2013  
Association for Education in Journalism and Mass Communication, Washington DC, August 2013  
Fisher College of Business, The Ohio State University, May 2013  
Association for Psychological Science, Washington DC, May 2013  
National Institute for Occupational Safety and Health, Morgantown, WV, April 2013  
Department of Human Development and Family Science, Purdue University, April 2013  
Centre for Multidisciplinary Behavioral Business Research, Concordia Univ., Montreal, March 2013  
Centre for Entrepreneurship, University of Oslo, January 2013  
Norwegian Center on Violence and Traumatic Stress Studies, University of Oslo, January 2013  
Institute for Population Research, The Ohio State University, December 2012  
International Society for Traumatic Stress Studies, Los Angeles, November 2012  
Amsterdam School of Communication Research, University of Amsterdam, July 2012  
University Medical Center, University of Groningen, The Netherlands, July 2012  
Hispanic Health Disparities Research Center, University of Texas at El Paso, June 2012  
International Society for Traumatic Stress Studies, Baltimore, November 2011  
Marshall School of Business, University of Southern California, June 2011  
Institute of Social Sciences, University of Hohenheim, Germany, May 2011  
Institute for Mass Communication and Media Research, University of Zurich, May 2011  
Midwestern Psychological Association, Chicago, May 2011  
Department of Psychology, Purdue University, April 2011  
Nisonger Center, The Ohio State University, April 2011  
College of Public Health, The Ohio State University, March 2011  
Center for Research Methods and Data Analysis, University of Kansas, March 2011  
Department of Communication, University of Haifa (Israel), February 2011  
Department of Communication and Journalism, Hebrew University of Jerusalem, February 2011  
American Psychological Association, San Diego, August 2010  
Association for Education in Journalism and Mass Communication, Denver, August 2010  
Association for Psychological Science, Boston, May 2010  
Nisonger Center, The Ohio State University, February 2010

Fisher College of Business, The Ohio State University, January 2010  
American Psychological Association, Toronto, August 2009  
Behavioral Science Institute, Radboud University Nijmegen, The Netherlands, April 2009  
Institute for Mass Communication and Media Research, University of Zurich, April 2009  
Amsterdam School of Communications Research, University of Amsterdam, September 2008  
Morrell Centre for Toleration, Department of Politics, University of York, UK, September 2008  
Department of Telecommunication, Indiana University, November 2006  
Kentucky Conference on Health Communication, April 2006  
Department of Communication, Cornell University, March 2003

#### **EVIDENCE OF IMPACT** (as of April 2024)

Identified as a 2019, 2020, 2021, 2022, and 2023 Web of Science/Clarivate Analytics Highly Cited Researcher

Google Scholar citation count: **223,856**; **h=63** (<http://scholar.google.com/citations?user=qRrkCbKAAAAJ>)

#### According to Google Scholar:

Six papers and books cited over 10,000 times  
Nineteen papers and books cited over 1,000 times  
Fifty papers and books cited over 100 times

Since its publication, *Introduction to Mediation, Moderation, and Conditional Process Analysis* has sold over **35,000** copies. It has been cited more than **80,000** times according to Google Scholar.

#### According to the Web of Science:

Igartua and Hayes (2021) is the most highly cited paper published in *Spanish Journal of Psychology* in the last 10 years and the 9<sup>th</sup> most highly cited paper in the history of the journal.

Hayes and Coutts (2020) is the most highly cited paper published in *Communication Methods and Measures* since 2016 (the earliest year of available citation records).

Hayes (2018) is the 3<sup>rd</sup> most highly cited paper published in *Communication Monographs/Speech Monographs* this century and the 6<sup>th</sup> most highly cited in the history of the journal.

Hayes and Montoya (2017) is the 4<sup>th</sup> most highly cited paper published in *Communication Methods and Measures* since 2016 (the earliest year of available records).

Hayes and Rockwood (2017) is the second most highly cited paper published in the last 15 years in *Behaviour Research and Therapy*.

Hayes (2015) is the 5<sup>th</sup> most highly cited paper published this century in *Multivariate Behavioral Research* and the 7<sup>th</sup> most highly cited paper published in the history of this journal.

Hayes and Scharkow (2013) is the 9<sup>th</sup> most highly cited paper published this century in *Psychological Science* and the 11<sup>th</sup> most highly cited paper published in the history of this journal.

Hayes and Preacher (2014) is the most highly cited paper published in the history of *British Journal of Mathematical and Statistical Psychology*.

Hayes (2009) is the most highly cited paper in the history of *Communication Monographs/Speech Monographs*.

Hayes and Matthes (2009) is the 8<sup>th</sup> most highly cited paper published this century in *Behavior Research Methods* and the 11<sup>th</sup> most highly cited in the history of this journal.

Preacher and Hayes (2008) is the 2<sup>st</sup> most highly cited papers in the history of *Behavior Research Methods [Instruments, and Computers]*.

Preacher and Hayes (2004) is the 4<sup>th</sup> most highly cited papers in the history of *Behavior Research Methods [Instruments, and Computers]*.

Preacher, Rucker, and Hayes (2007) is the 2<sup>nd</sup> most highly cited paper in the history of *Multivariate Behavioral Research* and the most highly cited paper published in this journal this century.

## **MAJOR AWARDS AND RECOGNITION**

Recognized as a Fellow of the Association for Psychological Science for “sustained and outstanding distinguished contributions to psychological science,” 2017

Sir Robert Worcester Prize, 2005, awarded by World Association for Public Opinion Research for the best article published in the *International Journal of Public Opinion Research* in 2005.

## **EXTERNAL GRANTS** (Current, pending applications, and past awards)

*Alcohol-related News and Ads: Effects and Mechanisms.*

PI: Michael D. Slater; Key Personnel: Andrew F. Hayes, David Ewoldsen, Russell Fazio  
R01AA010377

National Institute of Alcohol Abuse and Alcoholism

Funded: \$2,280,000; Award period: 2010-2014

## **TEACHING EXPERIENCE**

### Courses taught

The General Linear Model (University of Calgary)

Statistical Mediation Analysis (University of Calgary)

Statistical Moderation Analysis (University of Calgary)

Statistics in Psychology I: Introductory Statistics (OSU)

Statistics in Psychology II: Linear Regression Analysis (OSU)

Mediation, Moderation, and Conditional Process Analysis (OSU)

Statistical Applications in Communication I: Introductory Statistics (OSU)

Statistical Applications in Communication II: Multiple Regression (OSU)

Advanced Research Methods in Communication (OSU)

Advanced Seminar in Linear Models

Statistical Moderation and Mediation Analysis

Applied Structural Equation Modeling

Applied Generalized Linear Models

Experimental Design and Analysis

Quantitative Reasoning for Journalism and Communication (OSU)

Communication Research Methods (OSU)



Honors Communication Research Methods (OSU)  
Psychological Tests and Measurement (SUNY-Cortland)  
Research Methods and Statistics (University of New England)  
Multivariate Analysis (University of New England)

Invited Instructor

StatsCamp (Yhat Enterprises, LLC), 2016, 2017  
Global School in Empirical Research Methods, University of St.Gallen, Switzerland, 2016 - 2019  
Statistical Horizons LLC, Philadelphia, 2012 – 2019; 2024  
University of Kansas, Center for Research Methods and Data Analysis, Summer Institutes in Statistics, 2012

Ph.D. advisor

Nicholas J. Rockwood, OSU Department of Psychology, graduated in 2019  
Current: *RTI Health Solutions, Senior Psychometrician*  
Amanda K. Montoya, OSU Department of Psychology, graduated in 2018  
Current: *University of California at Los Angeles, Department of Psychology, Assistant Professor*  
Teresa Myers, OSU School of Communication, graduated in 2010  
Current: *George Mason University, Center for Climate Change Communication, Research Assistant Professor*  
Jason Reineke, OSU School of Communication, graduated in 2008  
Current: *Middle Tennessee State University, School of Journalism, Associate Professor*  
Nancy Briggs, OSU Department of Psychology, graduated in 2006  
Current: *University of New South Wales, Australia; Senior Statistical Consultant*

MA/MS advisor

Jacob J. Coutts, OSU Department of Psychology, graduated in 2020  
Nicholas Rockwood, OSU Department of Psychology, graduated 2017  
Amanda Montoya, OSU Department of Psychology, graduated in 2016  
Angela Dossett, OSU School of Communication, graduated in 2009  
Teresa Myers, OSU School of Communication, graduated in 2007  
Jason Reineke, OSU School of Communication, graduated in 2005  
Michael Huges, OSU School of Communication, graduated in 2004  
Li Cai, OSU School of Communication, graduated in 2003

MA/MS/Ph.D. dissertation/thesis/exam committee member

Natalie Valle, Haskayne School of Business, University of Calgary  
Stefan Kurbatfinski, Community Health Sciences, Cummings School of Medicine, University of Calgary  
Jack DiTrapani, Data Scientist, Munich Re, Princeton, NJ  
Robert Agler, Postdoctoral Research Associate, Ohio State University  
Sean Garguilo, Market Analyst, JP Morgan Chase  
Michael Beam, Associate Professor, Kent State University  
Myiah Hutchens, Associate Professor, University of Florida  
Fei Shen, Associate Professor, City University of Hong Kong  
Lindsay Hoffman, Associate Professor, University of Delaware  
Andy Merolla, Associate Professor, University of California Santa Barbara  
Mihye Seo, Associate Professor, Sungkyunkwan University, South Korea  
Mong-Shan Yang, Professor, Endicott College

## SERVICE

### Editorial Service

- \* *Journal of Communication*, Editorial Board Member, 2009 – 2015, 2019-present
- \* *Journal of Business Logistics*, Editorial Board Member, 2016-2018
- \* *Organizational Research Methods*, Editorial Board Member, 2013 - 2017
- \* *Communication Methods and Measures*, Editor in Chief, 2011 - 2015  
Associate Editor, 2006 - 2010
- \* *Human Communication Research*, Editorial Board Member, 2009 - 2010  
Guest Editor, special issue on multilevel modeling, 2006
- \* *Journal of Social and Personal Relationships*, Editorial Board Member, 2006 - 2015
- \* *Media Psychology*, Editorial Board Member, 2006 - 2014
- \* Co-Chair of the Outreach Committee, Department of Psychology, 2019-2020
- \* Member of the Graduate Studies Committee, Department of Psychology, 2014-2020
- \* Graduate School University Fellowship Committee, 2014-2018
- \* Co-Director of Graduate Studies, Department of Psychology, 2017-2018
- \* College Promotion and Tenure Committee, Division of Social and Behavioral Sciences, 2017-2018
- \* Senator for the OSU College of Arts and Sciences, SBS division on the Faculty Council, 2015-2018
- \* University Senate Council on Enrollment and Student Progress, 2015-2018
- \* Member of the Admissions Committee, Department of Psychology, 2014-2015
- \* Member of the Stipends Committee, Department of Psychology, 2014-2017
- \* Promotion and Tenure Procedural Oversight Designee, School of Communication, 2013
- \* Member of the University Senate Committee on Academic Misconduct, 2007-2014
- \* Member of the Publications Committee, School of Communication, 2012-2014
- \* Chair of the Research Committee, School of Communication, 2009-2010
- \* Member of the Graduate Studies Committee, School of Communication, 2001- 2009
- \* Alternate to the University Senate and Faculty Council, 2007-2010
- \* Member of the Faculty Search Committee, School of Communication, 2006-2007
- \* Colloquium coordinator, School of Communication, 2002-2005

### Miscellaneous

Professional Freedom and Responsibility Chair, Program Chair, and Member of the Executive Committee for the Communication Theory and Methodology Division of the Association for Education in Journalism and Mass Communication, 2005-2007

## STATISTICAL SOFTWARE SKILLS

Inventor of the PROCESS macro for SPSS, SAS and R that is widely used in many disciplines to simplify mediation, moderation, and conditional process analysis. Freely available from [www.processmacro.org](http://www.processmacro.org)

SPSS (including custom macro and script programming using MATRIX), SAS (including custom macro programming using PROC IML), R, MPLUS, STATA, HLM, GAUSS. Comfort with modern methods of data analysis including multilevel modeling, latent growth modeling, structural equation modeling, applications of the general linear model, and resampling methods of inference.

## AFFILIATIONS

Academy of Management  
Association for Psychological Science (Fellow as of 2017)  
International Communication Association