

Curriculum Vita
JOSEPH HILGARD

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Education

Ph.D.	University of Missouri	Psychology	2015
M.A.	University of Missouri	Psychology	2012
B.A.	Dartmouth College	Neuroscience, Russian Literature	2007

Employment

2017 – present	Assistant Professor, Industrial/Organizational-Social Psychology Department of Psychology Illinois State University
2015 – 2017	Drs. Gloria & Jack Chisum Postdoctoral Research Fellow Annenberg Public Policy Center University of Pennsylvania

Service in Professional Societies

Member of the executive committee, Society for the Improvement of Psychological Science,
2018 – present

Honors and Awards

Nominee, Excellence Award for Outstanding Scholarly Achievement of the Year by a Pre-tenured Faculty Member, Illinois State University, College of Arts and Sciences, 2018
Department nominee, Donald K. Anderson Graduate Teaching Award, University of Missouri, 2015
1st place Psychology poster award, Bond Life Sciences Week, University of Missouri, 2011, 2012
Bond Life Sciences Fellow, University of Missouri, 2009-2013

Publications

Hilgard, J. (in press). Maximal positive controls: A method for estimating the largest plausible effect size. *Journal of Experimental Social Psychology*.
George, A. R., Wesselmann, E. D., **Hilgard, J.**, Young, A. I., & van Beest, I. (in press). The effect of thinking about being excluded by God on well-being: A replication and extension. *The International Journal for the Psychology of Religion*.
<https://doi.org/10.1080/10508619.2020.1801228>
Landy, J. F., Jia, M., Ding, I. L., Viganola, D., Tierney, W., ... **Hilgard, J.** (as “The Crowdsourcing Hypothesis Tests Collaboration”), ... Uhlmann, E. L. (2020).

- Crowdsourcing hypothesis tests: Making transparent how design choices shape research results. *Psychological Bulletin*, 146(5), 451-479.
<https://psycnet.apa.org/doi/10.1037/bul0000220>
- Rouder, J.N., Haaf, J.M., Davis-Stober, C., & **Hilgard, J.** (2019) Beyond overall effects: A Bayesian approach to finding constraints across a collection of studies in meta-analysis. *Psychological Methods*, 24(5), 606-621. <https://doi.org/10.1037/met0000216>
- Hilgard, J.**, Sala, G., Boot, W.R., & Simons, D.J. (2019). Overestimation of action-game training effects: Publication bias and salami slicing. *Collabra: Psychology*, 5(1), 30. DOI: <http://doi.org/10.1525/collabra.231>
- Hilgard, J.** (2019) Comment on Yoon and Vargas (2014): An implausibly large effect from implausibly invariant data. *Psychological Science*. DOI: [10.1177/0956797618815434](https://doi.org/10.1177/0956797618815434)
- Carter, E. C., Schönbrodt, F. D., Gervais, W. M., & **Hilgard, J.** (2019). Correcting for bias in psychology: A comparison of meta-analytic methods. *Advances in Methods and Practices in Psychological Science*, 2(2), 115-144. DOI: [10.1177/2515245919847196](https://doi.org/10.1177/2515245919847196)
- Hales, A. H., Wesselmann, E. D., & **Hilgard, J.** (2019). Improving psychological science through transparency and openness: An overview. *Perspectives on Behavior Science*, 1-19. DOI: 10.1007/s40614-018-00186-8
- Hilgard, J.**, Engelhardt, C. R., Rouder, J. N., Segert, I., & Bartholow, B. D. (2019). Null effects of game violence, game difficulty, and 2D:4D digit ratio on aggressive behavior. *Psychological Science*, 30(4), 606-616. DOI: [10.1177/0956797619829688](https://doi.org/10.1177/0956797619829688)
- Landrum, A. R., **Hilgard, J.**, Lull, R. B., Akin, H., & Hall Jamieson, K. (2018). Open and transparent research practices and public perceptions of the trustworthiness of agricultural biotechnology organizations. *Journal of Science Communication*. DOI: 10.22323/2.17020204
- Hilgard, J.**, and Hall Jamieson, K. (2017). Does a scientific breakthrough increase confidence in science? News of a Zika vaccine and trust in science. *Science Communication*, 39(4), 548-560. DOI: 10.1177/1075547017719075
- Engelhardt, C. R., Mazurek, M. O., & **Hilgard, J.** (2017). Pathological game use in adults with and without Autism Spectrum Disorder. *PeerJ*. DOI: [10.7717/peerj.3393](https://doi.org/10.7717/peerj.3393)
- Hilgard, J.**, Engelhardt, C. R., & Rouder, J. N. (2017). Overstated evidence for short-term effects of violent games on affect and behavior: A reanalysis of Anderson et al. (2010). *Psychological Bulletin*, 143(7), 757-774. DOI: 10.1037/bul0000074
- Hilgard, J.**, Engelhardt, C. R., Bartholow, B. D., & Rouder, J. (2017). How much evidence is $p > .05$? Stimulus pre-testing and null primary outcomes in violent video games research. *Psychology of Popular Media Culture*, 6(4), 361-380. DOI: 10.1037/ppm0000102
- Hilgard, J.**, Engelhardt, C. R., & Bartholow, B. D. (2016). Brief use of a specific gun in a violent game does not affect attitudes towards that gun. *Royal Society Open Access*. DOI: 10.1098/rsos.160310
- Li, N., **Hilgard, J.**, Scheufele, D. A., Winneg, K. M., & Hall Jamieson, K. (2016). Cross-pressing conservative Catholics? Effects of Pope Francis' encyclical on the U.S. public opinion of climate change. *Climatic Change*, 139(3-4), 367-380. DOI: 10.1007/s10584-016-1821-z
- Nilsson, G., **Hilgard, J.**, Arnberg, F. K., & Lekander, M. (2016). Effects of bias on the association between post-traumatic stress disorder and interleukin-6. *Lancet Psychiatry*, 3(3), 200-201. DOI: 10.1016/S2215-0366(16)00022-5

- Mazurek, M., Sohl, K., Engelhardt, C. R., & **Hilgard, J.** (2016). Bedtime Electronic Media Use and Sleep in Children with Autism Spectrum Disorder. *Journal of Developmental and Behavioral Pediatrics*, 37(7), 525-531. DOI: 10.1097/DBP.0000000000000314
- Fleming, K. A., Bartholow, B. D., **Hilgard, J.**, McCarthy, D. M., O’Neills, S. E., & Sher, K. J. (2016). The Alcohol Sensitivity Questionnaire: Evidence for construct validity. *Alcoholism: Clinical and Experimental Research*, 40(4), 880-888. DOI: 10.1111/acer.13015
- Lakens, D., **Hilgard, J.**, & Staaks, J. (2016). On the reproducibility of meta-analyses: Six practical recommendations. *BioMed Central*, 4(24). DOI: 10.1186/s40359-016-0126-3
- Engelhardt, C. R., Mazurek, M. O., **Hilgard, J.**, Rouder, J., & Bartholow, B. D. (2015). Effects of violent video game exposure on aggressive behavior, aggressive cognition, and aggressive affect among people with and without autism spectrum disorder. *Psychological Science*, 26, 1187-1200. DOI: 10.1177/0956797615583038
- Engelhardt, C. R., **Hilgard, J.**, & Bartholow, B. D. (2015). Acute exposure to difficult (but not violent) video games dysregulates cognitive control. *Computers in Human Behavior*, 45, 85-92. DOI:10.1016/j.chb.2014.11.089
- Hilgard, J.**, Bartholow, B. D., Dickter, C. L., & Blanton, H. (2015). Characterizing switching and congruency effects in the Implicit Association Test as reactive and proactive cognitive control. *Social Cognitive and Affective Neuroscience*, 10, 381-388. DOI: 10.1093/scan/nsu060
- Hilgard, J.**, Weinberg, A., Proudfit, G. H., & Bartholow, B. D. (2014). The negativity bias in affective picture processing depends on top-down and bottom-up motivational significance. *Emotion*, 14, 940-949. DOI: 10.1037/a0036791
- Hilgard, J.**, Engelhardt, C. R., & Bartholow, B. D. (2013) Individual differences in motives, preferences, and pathology in video games: The gaming attitudes, motives, and experiences scales (GAMES). *Frontiers in Psychology*, 4, 608. DOI: 10.3389/fpsyg.2013.00608
- Christ, S.E., Moffitt, A. J., Peck, D., White, D. A., & **Hilgard, J.** (2012). Disrupted functional brain connectivity in individuals with early-treated phenylketonuria: Evidence from resting state fMRI data. *Journal of Inherited Metabolic Disease*, 35, 807-816. DOI: 10.1007/s10545-011-9439-9
- Weinberg, A., **Hilgard, J.**, Bartholow, B. D., & Hajcak, G. (2012). Emotional targets: Evaluative categorization as a function of context and content. *International Journal of Psychophysiology*, 84, 149-154. DOI: 10.1016/j.ijpsycho.2012.01.023
- Jimura, K., Myerson, J., **Hilgard, J.**, Keighley, J., Braver, T. S., & Green, L. (2011). Domain independence and stability in young and older adults’ discounting of delayed rewards. *Behavioral Processes*, 87 (3), 253-259. DOI: 10.1016/j.beproc.2011.04.006
- Jimura, K., Myerson, J., **Hilgard, J.**, Braver, T. S., & Green, L. (2009). Are people really more patient than other animals? Evidence from human discounting of real liquid rewards. *Psychonomic Bulletin & Review*, 16 (6), 1071-1075. DOI: 10.3758/PBR.16.6.1071

Manuscripts submitted

- Pedneault, C. I., **Hilgard, J.**, Pettersen, C., Hermann C. A., White, K., & Nunes, K. L. (invited resubmission, *Journal of Consulting and Clinical Psychology*). How well do indirect measures assess pedophilic interest? A meta-analysis.
- Schindler, S., **Hilgard, J.**, Fritsche, I., & Burke, B. (submitted) Do salient social norms moderate mortality salience effects? A (challenging) meta-analysis of terror management studies.

Book chapters

- Hilgard, J., & Hall Jamieson, K.** (2017). Science as “broken” vs. science as “self-correcting”: How retractions and peer-review problems are exploited to attack science. In D. Scheufele, D. Kahan, & K. Hall Jamieson (Eds.) *The Oxford Handbook on the Science of Science Communication*. Oxford, UK: Oxford University Press.
- Hilgard, J., & Li, N.** (2017). The science of communicating science: A synthesis. In D. Scheufele, D. Kahan, & K. Hall Jamieson (Eds.) *The Oxford Handbook on the Science of Science Communication*. Oxford, UK: Oxford University Press.
- Hilgard, J.** (2017). Identifying and overcoming challenges to science featured in attacks on science: A synthesis. In D. Scheufele, D. Kahan, & K. Hall Jamieson (Eds.) *The Oxford Handbook on the Science of Science Communication*. Oxford, UK: Oxford University Press.

Informal publications

- Lueke, A.K., **Hilgard, J.**, Zimmerman, I., Bartholow, B.D., & Gibson, B. (Preprint). Heroic video game violence and prosocial behavior. Preprint available at <https://psyarxiv.com/nrfqt/>
- Hilgard, J. (2014). Hilgard’s modified video game paradigm. <https://osf.io/3cb9m/>
- Hilgard, J. (2016). Video game violence and aggression: A proven connection? *Significance*, 13(5), 6-7. doi: 10.1111/j.1740-9713.2016.00955.x
- Hilgard, J. (2019). Comment on Chang and Bushman (2019): Effects of outlier exclusion. <https://crystalprisonzone.blogspot.com/2019/06/comment-on-chang-bushman-2019-effects.html>
- Hilgard, J. (2016). Comment on Strack (2016): The RRR is not contaminated by small-study effects. <http://crystalprisonzone.blogspot.com/2016/08/comment-on-strack-2016.html>
- Hilgard, J. (2016). A reading list for the replicability crisis. <http://crystalprisonzone.blogspot.com/2016/03/a-reading-list-for-replicability-crisis.html>

Public scholarship

Quoted in the following articles:

- de Vrieze, J. (2018). Meta-analyses were supposed to end scientific debates. Often, they only cause more controversy. *Science*. <https://www.sciencemag.org/news/2018/09/meta-analyses-were-supposed-end-scientific-debates-often-they-only-cause-more>
- Resnick, B. (2018). The Stanford Prison Experiment was massively influential. We just learned it was a fraud. *Vox*. <https://www.vox.com/2018/6/13/17449118/stanford-prison-experiment-fraud-psychology-replication>
- Cressey, D. (2017). Tool for detecting publication bias goes under spotlight. *Nature*. <https://www.nature.com/news/tool-for-detecting-publication-bias-goes-under-spotlight-1.21728>
- Belluz, J., Plumer, B., & Resnick, B. (2016). The 7 biggest problems facing science, according to 270 scientists. *Vox*. <https://www.vox.com/2016/7/14/12016710/science-challenges-research-funding-peer-review-process>

Research experience

2017 – present	Assistant professor, Illinois State University
2015 – 2017	Postdoctoral research fellow, University of Pennsylvania
2009 – 2015	Graduate student, University of Missouri - Columbia
2007 – 2009	Research assistant to Dr. Todd Braver and Dr. Deanna Barch, Washington University

Teaching experience

2017 – present	Assistant professor, Illinois State University Introduction to Psychology Introduction to Social Psychology Motivation Dynamics of Social Behavior – Aggression Theory and Research in Social Psychology (graduate seminar)
2015	Invited workshop on the use of Bayes factors, Northern Illinois University
2014	Instructor, Statistics (Research Methods II), Department of Psychological Sciences, University of Missouri
2014	Departmental workshop on the use of R package “ggplot2” for datavis
2013 – 2014	Instructor, Statistics (Graduate Statistical Software & Data Management), Department of Psychological Sciences, University of Missouri

Funding

2015-2017	Drs. Gloria and Melvin “Jack” Chisum Research Fellowship
2013-2015	Teaching assistantship
2009-2013	Bond Life Sciences Fellowship

Invited lectures

- What is measured by measures of aggressive thought? (2020, Feb). Guest lecture presented to the Department of Psychology at DePaul University.
- Is meta-analysis fixed or forked? Violent video games and aggressive behavior. (2019, Sept). Guest lecture presented to the Department of Social & Personality Psychology at the University of Illinois at Chicago.
- How little we know about aggression: Insights from experiments, psychometrics, and meta-analysis. (2019, Jan). Guest lecture presented to the Department of Social Psychology at Northwestern University.
- Adjusting for publication bias in meta-analysis: Advances, challenges, and the replication crisis. (2019, Jan). Guest lecture presented to the Department of Clinical Psychology at Northwestern University.
- You can’t squeeze blood out of a turnip: Corrections for publication bias in meta-analysis. (2018, Feb) Guest lecture presented to the Department of Psychology at University of Illinois Urbana-Champaign.
- Understanding and addressing the replication crisis in social psychology. (2017, Sept). Guest lecture presented to PSYC 410 “Giving Psychology Away: Critical Thinking and Public Communication” at University of Louisville.
- Detection of, and adjustment for, bias in meta-analysis. (2017, Feb). Lecture presented to Topics in Current Economic Research at University of Hohenheim, Stuttgart, Germany.

Bayesian hypothesis testing: The why and how. (2015, Dec). Lecture presented to the Bayesian Statistics Interest Group at Northern Illinois University.

Symposia presented

- Hilgard, J.** (2020, Feb) What bias adjustment can do for terror management theory. In R. Benjamin (chair) ... Society for Personality and Social Psychology, New Orleans, Louisiana.
- Hilgard, J.** (2019, Aug) How little we know about the effects of violent video games. American Psychological Association, Chicago, IL.
- Hilgard, J.** (2019, Feb) Choosing among bias adjustments with Bayes factors. In J. Haaf & **J. Hilgard** (chairs) ... Society for Personality and Social Psychology, Portland, Oregon.
- Hilgard, J.** (2019, Feb) Meta-analysis: Open data & adjustments for publication bias. In J. Lodi-Smith (chair) ... Society for Personality and Social Psychology, Portland, Oregon.
- Hilgard, J.** (2018, June) Meta-analysis: Potential and pitfalls in addressing publication bias. Workshop conducted at the Society for the Improvement of Psychological Science annual meeting, Grand Rapids, Michigan.
- Vazire, S., and **Hilgard, J.** (2018, March). Correcting bias: What meta-analysis can and can't do. Roundtable discussion conducted at the Improving Psychological Science: Community Action Meeting, a preconference of the Society for Personality and Social Psychology, Atlanta, Georgia.
- Hilgard, J.** (2017, January). Overestimated effects of violent games. In R. McCarthy (chair), *Social cognition and aggressive behavior: Some ways in which thinking might be linked to aggression*. Panel conducted at the meeting of the Society for Personality and Social Psychology, San Antonio, Texas.
- Hilgard, J.** (2016, June). Detection of, and adjustment for, bias in meta-analysis. Presentation to the Communication Research Methods preconference at the meeting of the International Communication Association, Fukuoka, Japan.
- Hilgard, J.,** Li, N., Scheufele, D. A., Winneg, K. M., & Hall Jamieson, K. (2016, June). Cross-Pressuring Conservative Catholics? The U.S. Public's Reaction to Pope Francis' Encyclical on Climate Change. In M. Skoric (chair), *Processing political and news information in an age of entertainment and overload*. Panel conducted at the meeting of the International Communication Association, Fukuoka, Japan.
- Hilgard, J.** & Hall-Jamieson, K. (2016, May). A novel, brief, and general approach to measuring media diet. In P. Pain (chair), *Media use and public opinion*. Panel conducted at the meeting of the World Association for Public Opinion Research, Austin, TX.
- Hilgard, J.,** Bartholow, B. D., Weinberg, A., & Hajcak, G. (2011, May). Reconsidering the negativity bias: An argument for motivated perception. In D. R. Herring & P. A. Gable (chairs), *Electrophysiological correlates of motivationally evaluative processes*. Symposium conducted at the meeting of the Society for the Study of Motivation, Washington, D.C.

Posters presented * denotes student co-author

- Hilgard, J.,** & Cody, O*. (2018). Publication bias impairs power to detect moderators across studies. Poster session presented at the annual meeting of the Society for Personality and Social Psychology, Atlanta, Georgia.

- Hilgard, J.,** Engelhardt, C. R., & Rouder, J. N. (2016). The overestimation of violent-game effects in experiments. Poster session presented at the annual meeting of the American Association for the Advancement of Science, Washington D. C.
- Hilgard, J.,** Engelhardt, C. R., & Bartholow, B. D. (2014). Effects of video game violence, game difficulty, and prenatal testosterone on aggressive behavior. Poster session presented at the annual meeting of the Society for Personality and Social Psychology, Long Beach, California.
- Hilgard, J.,** Engelhardt, C. R., Bartholow, B. D., & Segert, I. (2014). Digit ratio measures of prenatal testosterone exposure in predicting provoked aggression. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Atlanta, Georgia.
- Hilgard, J.,** Engelhardt, C. R., & Bartholow, B. D. (2013, 2014). Individual differences in motives, preferences, and pathology in video games: The risk of escapism and online relationships. Poster session presented at Bond Life Sciences Day, Columbia, Missouri and at the annual meeting of the Society for Personality and Social Psychology, Austin, Texas.
- Hilgard, J.,** Weinberg, A., Hajcak, G., & Bartholow, B. D. (2013). Does the negativity bias in affective picture processing depend on novelty? Poster session presented at the annual meeting of the Society for Psychophysiological Research, Rome, Italy.
- Hilgard, J.,** Kerns, J. D., & Bartholow, B. D. (2013). Alcohol placebo effects on cognitive control: Investigating neural mechanisms. Poster session presented at the annual meeting of the Society for Personality and Social Psychology, San Diego, California.
- Hilgard, J.,** Bartholow, B. D., Hajcak, G., & Weinberg, A. (2010, October). Rethinking the Negativity Bias: On the Importance of Qualitative Differences in Emotional Stimuli. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Portland, Oregon.

Retractions motivated by my work

- Zhang, Q., Tian, J., Cao, J., Zhang, D.-J., & Rodkin, P. (2016) RETRACTED: Exposure to weapon pictures and subsequent aggression during adolescence. *Personality and Individual Differences*.
- Zhang, Q., Espelage, D.L., & Zhang, D. H. (2018). RETRACTED: The Priming Effect of Violent Game Play on Aggression Among Adolescents. *Youth & Society*. doi: 10.1177/0044118X18770309
- Zhang, Q., Espelage, D.L., & Rost, D. H. (2018). RETRACTED: Short-term exposure to movie violence and implicit aggression during adolescence. *Youth & Society*. doi: 10.1177/0044118X18775846
- Çetin, Y., Wai, J., Altay, C., & Bushman, B. J. (2016). RETRACTED: Effects of violent media on verbal task performance in gifted and general cohort children. *Gifted Child Quarterly*, 60(4), 279-286.

Corrections motivated by my work

- Tian, Y., Gao, M., Wang, P., & Gao, F. The effects of violent video games and shyness on individuals' aggressive behaviors. *Aggressive Behavior*, 46(1), 1-9.
<https://doi.org/10.1002/ab.21869>
- Dear, K., Dutton, K., & Fox, E. (2019). Do 'watching eyes' influence antisocial behavior? A systematic review & meta-analysis. *Evolution and Human Behavior*, 40(3), 269-280. With Niclas Kuper.

- Benjamin Jr, A. J., Kepes, S., & Bushman, B. J. (2018). Effects of weapons on aggressive thoughts, angry feelings, hostile appraisals, and aggressive behavior: A meta-analytic review of the weapons effect literature. *Personality and social psychology review*, 22(4), 347-377.
- Hasan, Y., Bègue, L., Scharkow, M., & Bushman, B. J. (2013). The more you play, the more aggressive you become: A long-term experimental study of cumulative violent video game effects on hostile expectations and aggressive behavior. *Journal of Experimental Social Psychology*, 49(2), 224-227.
- Hasan, Y., Bègue, L., & Bushman, B. J. (2012). Viewing the world through “blood-red tinted glasses”: The hostile expectation bias mediates the link between violent video game exposure and aggression. *Journal of Experimental Social Psychology*, 48(4), 953-956.
- Greitemeyer, T., & Mügge, D. O. (2014). Video games do affect social outcomes: A meta-analytic review of the effects of violent and prosocial video game play. *Personality and Social Psychology Bulletin*, 40(5), 578-589.

Advising experience

Honors experience advisor for student project, Jonathan Groebe, MacKenzie McGann, Fall 2019
 Reader, Master's thesis: Cara Paden (F18), Erika Rosenberger (S18), Anna George (S19)
 Master's student independent study advisor, Olivia Cody, Spring 2018
 Undergraduate Honors Thesis Advisor, James Cole, Fall 2013

Editorial duties

Editorial board member, *Social Psychological and Personality Science* (2019 – present)
 Editorial board member, *Advances in Methods and Practices in Psychological Science* (2017 – present)

Ad-hoc reviewer

National Science Foundation – Decision, Risk, and Management Sciences	
Psychological Science	Cognitive, Affective, and Behavioral
Psychological Bulletin	Neuroscience
Perspectives on Psychological Science	Journal of Individual Differences
Journal of Experimental Psychology: General	Communication Methods and Measures
Journal of Experimental Social Psychology	International Communication Association
Media Psychology	Acta Psychologica
Biological Psychology	Journal of Media Psychology
Neuroreport	Risk Analysis
PLoS One	European Psychologist
Social Cognitive and Affective Neuroscience	Interactive Learning Environments
Basic and Applied Social Psychology	Mass Communication and Society
Cyberpsychology: Journal of Psychosocial	Meta-Psychology
Research on Cyberspace	Open Psychology
Psychology of Popular Media Culture	Science Communication
Developmental Psychology	Aggressive Behavior
Journal of Mathematical Psychology	Psychonomic Bulletin & Review
Frontiers	Cognition and Emotion

I always sign my reviews.