# Kevin J. Holmes, Ph.D.

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## **Faculty Positions**

Reed College Associate Professor of Psychology 2020-present

Colorado College Assistant Professor of Psychology 2014-20\*

\*tenure earned 2020

### **Education & Training**

University of California, Berkeley Postdoctoral Fellow in Cognitive Science 2013-14

Emory University Ph.D., Psychology: Cognition & Development 2012

Stanford University M.A., Psychology 2005

B.A., Human Biology (Honors & Distinction) 2005

#### **Publications**

(\*undergraduate/post-bac co-author; per Google Scholar: #70+ citations, ^10+ citations)

#### Peer-Reviewed Journal Articles

- ^Colling, L. J., . . . Holmes, K. J., . . . , \*Tummino, T. A., et al. (2020). Registered replication report on Fischer, Castel, Dodd, and Pratt (2003). Advances in Methods and Practices in Psychological Science, 3(2), 143-162.
- Holmes, K. J., \*Alcat, C., & Lourenco, S. F. (2019). Is emotional magnitude spatialized? A further investigation. *Cognitive Science*, 43, e12727.
- Holmes, K. J., & Roberts, T.-A. (2019). Mentor as sculptor, makeover artist, coach, or CEO: Evaluating contrasting models for mentoring undergraduates' mesearch toward publishable research. *Frontiers in Psychology*, 10, 231.
- Holmes, K. J., Flusberg, S. J., & Thibodeau, P. H. (2018). Compound words reflect cross-culturally shared bodily metaphors. *Cognitive Science*, 42(8), 3071-3082.
- ^Holmes, K. J., \*Moty, K., & Regier, T. (2017). Revisiting the role of language in spatial cognition: Categorical perception of spatial relations in English and Korean speakers. *Psychonomic Bulletin & Review*, 24(6), 2031-2036.
- ^Holmes, K. J., & Regier, T. (2017). Categorical perception beyond the basic level: The case of warm and cool colors. *Cognitive Science*, *41*(4), 1135-1147.

- ^Holmes, K. J., Ayzenberg, V., & Lourenco, S. F. (2016). Gamble on gaze: Eye movements reflect the numerical value of blackjack hands. *Psychonomic Bulletin & Review, 23*(6), 1974-1981.
- #Wagenmakers, E.-J., . . . Holmes, K. J., \*Jones, J. L. H., . . . \*Liao, J. D., . . . \*Shea-Shumsky, N. B., et al. (2016). Registered replication report: Strack, Martin, & Stepper (1988). *Perspectives on Psychological Science*, 11(6), 917-928.
- ^Holmes, K. J., & Wolff, P. (2013). Spatial language and the psychological reality of schematization. *Cognitive Processing*, *14*(2), 205-208.
- ^Holmes, K. J., & Lourenco, S. F. (2013). When numbers get heavy: Is the mental number line exclusively numerical? *PLOS ONE*, 8(3), e58381.
- #Holmes, K. J., & Wolff, P. (2012). Does categorical perception in the left hemisphere depend on language? *Journal of Experimental Psychology: General*, 141(3), 439-443.
- **#Holmes, K. J.**, & Lourenco, S. F. (2012). Orienting numbers in mental space: Horizontal organization trumps vertical. *Quarterly Journal of Experimental Psychology*, 65(6), 1044-1051.
- **#Holmes, K. J.**, & Lourenco, S. F. (2011). Common spatial organization of number and emotional expression: A mental magnitude line. *Brain and Cognition*, 77(2), 315-323.
- #Wolff, P., & Holmes, K. J. (2011). Linguistic relativity. Wiley Interdisciplinary Reviews: Cognitive Science, 2(3), 253-265.
- #Matlock, T., Holmes, K. J., Srinivasan, M., & Ramscar, M. (2011). Even abstract motion influences the understanding of time. *Metaphor and Symbol*, 26(4), 260-271.

### Commentaries & Book Chapters

- Holmes, K. J. (2020). Addressing twenty-first-century problems by engaging undergraduates in use-inspired basic research. Scholarship and Practice of Undergraduate Research, 3(3), 46.
- Lourenco, S. F., Aulet, L. S., Ayzenberg, V., Cheung, C.-N., & Holmes, K. J. (2017). Right idea, wrong magnitude system (commentary on Leibovich et al., 2017). *Behavioral and Brain Sciences*, 40, e177.
- Holmes, K. J., & Wolff, P. (2013). Spatial language as a window on representations of three-dimensional space (commentary on Jeffery et al., 2013). *Behavioral and Brain Sciences*, 36(5), 550-551.
- Wolff, P., \*Hausknecht, M., & Holmes, K. J. (2011). Absent causes, present effects: How omissions cause events. In J. Bohnemeyer & E. Pederson (Eds.), *Event representation in language and cognition* (pp. 228-252). Cambridge University Press.

#### Peer-Reviewed Conference Papers

\*Doherty, E. M., Flusberg, S. J., & **Holmes, K. J.** (2020). "Girls are as good as boys" implies boys are better, but only in the absence of explicit awareness. In S. Denison, M. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society* (pp. 1591-1597).

- Thibodeau, P. H., Flusberg, S. J., & **Holmes, K. J.** (2017). Solving the puzzle to reach the summit: Using metaphor to gauge public perceptions of science. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 3320-3325).
- Holmes, K. J., \*Moty, K., & Regier, T. (2016). Categorical perception of spatial relations: A cross-linguistic difference. In M. Hegarty, C. Hölscher, D. Montello, & N. S. Newcombe (Eds.), *Spatial Cognition 2016 Conference Proceedings* (pp. 77-82). Spatial Intelligence and Learning Center.
- ^Wolff, P., \*Ritter, S., & **Holmes, K. J.** (2014). Causation, force, and the sense of touch. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 1784-1789).
- ^Holmes, K. J., & Wolff, P. (2013). When is language a window into the mind? Looking beyond words to infer conceptual categories. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 597-602).
- ^Holmes, K. J., & Wolff, P. (2011). Simulating realism in language comprehension. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33<sup>rd</sup> Annual Conference of the Cognitive Science Society* (pp. 2884-2889).
- Holmes, K. J., & Lourenco, S. F. (2011). Horizontal trumps vertical in the spatial organization of numerical magnitude. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33<sup>rd</sup> Annual Conference of the Cognitive Science Society* (pp. 2276-2281).
- ^Holmes, K. J., & Wolff, P. (2010). Simulation from schematics: Dorsal stream processing and the perception of implied motion. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32<sup>nd</sup> Annual Conference of the Cognitive Science Society* (pp. 2704-2709).
- Holmes, K. J., & Lourenco, S. F. (2009). Spatial organization of magnitude in the representation of number and emotion. In N. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 2402-2407).

### **Working Papers**

- \*Elpers, N., & Holmes, K. J. (invited submission in revision). Does grammatical gender affect object concepts? Registered replication of Phillips & Boroditsky (2003).
- Flusberg, S. J., \*van der Vord, J., \*Husney, S. Q., & **Holmes, K. J.** (in revision). Who's the "real" victim? How victim framing shapes attitudes towards sexual assault.
- Holmes, K. J., \*Doherty, E. M., & Flusberg, S. J. (in revision). How and when does syntax perpetuate stereotypes? Probing the framing effects of subject-complement statements of equality.

#### **Conference Presentations (2016-present)**

(\*undergraduate/post-bac co-author)

Holmes, K. J., \*Star-Lack, M., \*Elpers, N., Flusberg, S. J., & Thibodeau, P. H. (2021, November). Factors predicting the metaphoricity of compound words. Poster submitted for presentation at the 62<sup>nd</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

- \*Elpers, N., & Holmes, K. J. (2021, July). Inducing structural interpretations of generic claims about social categories. Poster presented at the 43<sup>rd</sup> Annual Conference of the Cognitive Science Society (virtual).
- \*Wu, S., \*Elpers, N., \*Doherty, E. M., Flusberg, S. J., & **Holmes, K. J.** (2021, July). Pragmatic reasoning ability predicts syntactic framing effects on social judgments. Poster presented at the 43<sup>rd</sup> Annual Conference of the Cognitive Science Society (virtual).
- \*Davis, L., Flusberg, S. J., & **Holmes, K. J.** (2021, May). How victim framing shapes attitudes towards police violence. Poster presented at the Association for Psychological Science Virtual Convention.
- \*Yin, B., Flusberg, S. J., & Holmes, K. J. (2021, May). "I'm the real victim": Self-victim framing and perceptions of sexual assault. Poster presented at the Association for Psychological Science Virtual Convention.
- Holmes, K. J., \*Doherty, E. M., & Flusberg, S. J. (2020, November). Probing the framing effects of subject-complement syntax on socially charged inferences. Poster presented at the 61<sup>st</sup> Annual Meeting of the Psychonomic Society (virtual).
- \*Doherty, E. M., Flusberg, S. J., & **Holmes, K. J.** (2020, August). "Girls are as good as boys" implies boys are better, but only in the absence of explicit awareness. Poster presented at the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society (virtual).
- \*Phelps, S., \*Millo, A., **Holmes, K. J.**, & Regier, T. (2020, August). Categorical perception as inference under uncertainty: New evidence from color. Poster presented at the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society (virtual).
- \*Wu, Q., Malmskog, B., & **Holmes, K. J.** (2020, August). Representing typological prevalence in graph-based semantic maps. Poster presented at the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society (virtual).
- \*Walsh, D., & **Holmes, K. J.** (2020, August). Abstract words as emotion buffers: Affect labeling and distress reduction. Poster presented at the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society (virtual).
- Holmes, K. J., Flusberg, S. J., & Thibodeau, P. T. (2020, June). Compound words reflect cross-culturally shared bodily metaphors. Poster presented at the 2020 Association for Researching and Applying Metaphor Conference (virtual).
- \*Schultz, O., Flusberg, S. J., & **Holmes, K. J.** (2020, June). *Victim* or *survivor*? How everyday language frames sexual assault. Poster accepted for presentation at the 2020 Society for the Psychological Study of Social Issues Summer Conference, Denver, CO (canceled due to Covid-19).
- \*van der Vord, J., Flusberg, S. J., & **Holmes, K. J.** (2020, June). How and when victim framing shapes attitudes towards sexual assault. Poster accepted for presentation at the 2020 Society for the Psychological Study of Social Issues Summer Conference, Denver, CO (canceled due to Covid-19).
- \*Alvarado, J., \*Welch, R., Roberts, T.-A., & **Holmes, K. J.** (2019, November). Misperception of misogyny in hypermasculine rap music. Poster presented at the SACNAS National Diversity in STEM Conference, Honolulu, HI.

- Flusberg, S. J., \*Husney, S. Q., \*Pollard, C., & **Holmes, K. J.** (2019, July). How victim framing shapes attitudes towards sexual assault. Poster presented at the 41<sup>st</sup> Annual Conference of the Cognitive Science Society, Montreal, Canada.
- \*Gardner, E., & **Holmes, K. J.** (2019, May). Crosslinguistic comparison promotes flexible conceptions of categories. Poster presented at the 31<sup>st</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Holmes, K. J., \*Husney, S. Q., \*Pollard, C., & Flusberg, S. J. (2019, May). Victim framing shapes attitudes towards sexual assault. Poster presented at the 31<sup>st</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- \*Carey, I. H., \*Kirvin-Quamme, A., Newcombe, N. S., & **Holmes, K. J.** (2018, July). Spatial categories in language and thought: Evidence for categorical perception at the cardinal axes. Poster presented at the 40<sup>th</sup> Annual Conference of the Cognitive Science Society, Madison, WI.
- \*Husney, S. Q., \*Kopel, A., & **Holmes, K. J.** (2018, July). Analogical comparison of semantic categories across languages challenges beliefs about category discreteness. Poster presented at the 40<sup>th</sup> Annual Conference of the Cognitive Science Society, Madison, WI.
- \*Rabinovitch, R., & **Holmes, K. J.** (2018, July). Cross-linguistically shared spatial mappings of abstract concepts guide non-signers' inferences about sign meaning. Poster presented at the 40<sup>th</sup> Annual Conference of the Cognitive Science Society, Madison, WI.
- \*Welch, R., \*Ravitch, N., & Holmes, K. J. (2018, July). Discrimination difficulty modulates effects of language on perceptual discrimination. Poster presented at the 40<sup>th</sup> Annual Conference of the Cognitive Science Society, Madison, WI.
- Holmes, K. J., \*Luby, E., & \*Husney, S. Q. (2017, July). Knowledge of cross-linguistic semantic diversity reduces essentialist beliefs about categories. Paper presented at the 39<sup>th</sup> Annual Conference of the Cognitive Science Society, London, UK.
- Thibodeau, P. H., Flusberg, S. J., & **Holmes, K. J.** (2017, July). Solving the puzzle to reach the summit: Using metaphor to gauge public perceptions of science. Poster presented at the 39<sup>th</sup> Annual Conference of the Cognitive Science Society, London, UK.
- Holmes, K. J., \*Moty, K., & Regier, T. (2016, August). Categorical perception of spatial relations: A cross-linguistic difference. Paper presented at the biennial Spatial Cognition conference, Philadelphia, PA.
- Holmes, K. J., \*Brodsky, J., & \*Rowe, A. (2016, August). Lay beliefs about the words-to-world mapping and essentialism of social categories. Poster presented at the 38<sup>th</sup> Annual Conference of the Cognitive Science Society, Philadelphia, PA.
- \*DesLauriers, A., & **Holmes, K. J.** (2016, August). When west is up(hill): Effects of local topography on route planning. Poster presented at the 38<sup>th</sup> Annual Conference of the Cognitive Science Society, Philadelphia, PA.
- \*Kitrick, E., \*Rabinovitch, R., & **Holmes, K. J.** (2016, August). Sign languages reveal spatial mappings of valence and magnitude. Poster presented at the 38<sup>th</sup> Annual Conference of the Cognitive Science Society, Philadelphia, PA.

Kanero, J., \*Kitrick, E., \*DesLauriers, A., Hirsh-Pasek, K., & **Holmes, K. J.** (2016, August). Individual differences in verbalization predict change detection performance: A new perspective on the language-thought debate. Poster presented at the 38<sup>th</sup> Annual Conference of the Cognitive Science Society, Philadelphia, PA.

\*Rowe, A., Roberts, T.-A., & **Holmes, K. J.** (2016, May). Removing linguistic agency enhances people's willingness to forgive. Poster presented at the 28<sup>th</sup> Annual Convention of the Association for Psychological Science, Chicago, IL.

### **Selected Awards & Grants**

Science Fellowship for Faculty-Student Collaborative Research (2 awards), Reed College	2021
Early Career Research Grant, Language Learning journal	2018-19
Minority Postdoctoral Research Fellowship, National Science Foundation	2013-14
Dissertation Research Award, American Psychological Association	2012
Neurolinguistics Graduate Fellowship, William Orr Dingwall Foundation	2008-11

### **Selected Talks**

Department of Linguistics, Reed College	2021 (upcoming)
Department of Psychology Online Keynote Talk Series, University of Edinburgh	2021
Faculty and Staff Empirical Research Showcase, Reed College	2020
Department of Psychology, Reed College	2019
Department of Psychological Sciences, University of San Diego	2018
Department of Linguistics and Cognitive Science, Pomona College	2018
Jules Roth Visiting Lecturer, Department of Psychology, SUNY Purchase College	2018
Research in Spatial Cognition (RISC) Lab Group, Temple University	2015
Social Ontology Group, University of California, Berkeley	2014
Mind, Technology, and Society Colloquium, University of California, Merced	2013
CogNetwork Research Forum, University of California, Berkeley	2013
Cognition & Action Laboratory, University of California, Berkeley	2013

## **Teaching**

### **Instructor of Record**

## Reed College

Psychological Science Lab: Cognition (PSY 210)	Spring 2022 (upcoming)
Language & Thought (PSY 342)	Spring 2021 (online) & '22 (upcoming)
Research Design & Data Analysis (PSY 348)	Spring 2021 (online) & '22 (upcoming)
Foundations in Psychological Science (PSY 101)	Fall 2021 (team-taught; upcoming)
Cognitive Processes (PSY 366)	Fall 2020 (hy-flex) & '21 (upcoming)

## Colorado College

Cognition (PY344)	2015-19 (6x)
Research Design in Psychology (PY202)	2014-20 (5x)

Language & Thought (PY439) 2014-20 (4x, incl. 1 online)

Introduction to Psychology (PY100) 2015-19 (3x)
Introduction to Psychology: First-Year Experience (PY101) 2015-16 (2x)
Language, Mind, & Society (PY178) 2017-19 (2x)

Philosophy & Psychology of Concepts (w/ H. Daly; PY178) 2016

## **Emory University**

Foundations of Linguistics (Ling 201) 2011

#### Other Teaching

Guest lecturer in undergraduate and graduate classes in Psychology, Linguistics, Anthropology, Biology, Classics, and Mathematics at Reed College, Colorado College, and Emory University, 2009-present

Teaching assistant in 9 undergraduate classes in Psychology and Linguistics at Emory University and Stanford University, 2004-12

## Mentoring

#### Research Mentor

Undergraduate/post-bac co-authors (from Reed College, Colorado College, UC Berkeley, & Emory University; \*earned Ph.D. or currently enrolled in Ph.D. program):

Peer-reviewed journal articles and conference papers (11 students): C. Alcat; E. Doherty; N. Elpers (ms. in revision); Q. Husney; J. Jones; J. Liao; E. Luby; \*K. Moty; B. Shea-Shumsky; \*T. Tummino; J. van der Vord (ms. in revision)

Conference posters (28 students): J. Alvarado; J. Brodsky; I. Carey; L. Davis (Initiative Grant); A. DesLauriers; E. Doherty; \*S. Ellner; N. Elpers; E. Gardner; Q. Husney; A. Kirvin-Quamme; E. Kitrick; A. Kopel; \*B. Lock; \*K. Moty; C. Pollard; R. Rabinovitch; N. Ravitch; A. Rowe; O. Schultz; M. Star-Lack (abstract submitted; Cog Psych Summer Research Fellow); J. van der Vord; D. Walsh; \*A. Wu; S. Wu (Cog Psych Summer Research Fellow); R. Welch; B. Yin (Initiative Grant); H. Zeigerson

Other student/post-bac research assistants (28 students): U. Adamska; C. Binder; C. Brady (*UC Berkeley Glushko Prize winner*); B. Copello; L. DiRusso; \*K. Frey; G. Garcia; N. Garcia-Soberañez; A. Hunter; L. Kassin; R. Krishnamurthy (*Reed College Science Research Fellow*); T. LeFevre; C. Madar (*Reed College Science Research Fellow*); A. Madrigal; D. Meyer; F. Murray; W. Newhall; D. Rabgay; W. Rushton; E. Schimmel; S. Schwartz (*Initiative Grant*); N. Shah; B. Smotrich; L. Steinberg, E. Thornburg; H. Warden; T. Westphal; J. Wool

#### Academic Advisor

Advised 50 Colorado College students (2014-20), including psychology and neuroscience majors, premajors, and independently designed majors in cognitive science and related fields

#### Other Mentoring First-Generation Mentor, Butler Center, Colorado College 2015-20 Alumni Mentor, Out in STEM/Career Education, Stanford University 2015-18 **Service & Professional Activities** Reed College Administration Committee 2020-present Diversity & Inclusion Coordinator, Department of Psychology 2021-present Mathematics Search Committee 2021-present Co-Facilitator: Opportunities Out of the Pandemic, CTL 2021 Co-Facilitator: Using Hypothesis (Annotations) in the Classroom, CTL 2021 Evaluation Committee, Psychology Target of Opportunity Tenure-Track Position 2020-21 Colorado College Curriculum Executive Committee 2019-20 Stroud Scholars College Preparatory Program, Recruitment & Selection Committee 2019 Fine Arts Center, Sunday Salon Faculty Speaker: Curious Incident of the Dog... 2019 Search Committees: Dean of the Faculty, Statistics, LGBTQ Studies 2016-19 Committee on Admissions and Financial Aid 2015-17, '18-19 Crown-Goodman Presidential Scholarship Selection Committee 2017, '19 Ad Hoc Science Building Committee 2018-19 Mock Class Instructor, Office of Admission & Financial Aid 2018-19 Summer Collaborative Research (SCoRe) Steering Committee 2016-17 SEGway (Spurring/Supporting External Grants) Review Committee 2015-16 Other Affinity Group Leader, Cognitive Science Faculty at Primarily Undergraduate Institutions 2020-21

Mentor, Cognitive Science Society Mentor Program	2020
Guest Speaker, Virtual Town Hall, American Psychological Association Council	2020
Cognitive Science Advisory Committee, Associated Colleges of the Midwest	2015
Alumni Interviewer, Emory University & Stanford University	2011-14
Blogger, Center for Mind, Brain, & Culture Lunch Series, Emory University	2011-12
Curriculum Committee, Department of Psychology, Emory University	2010-12
Minority Recruitment Committee Chair, Department of Psychology, Emory University	2008-10

#### Reviewing

Journals (\*multiple reviews; #joint review): \*Applied Psycholinguistics; \*Attention, Perception, & Psychophysics; \*Brain & Cognition; Canadian Journal of Experimental Psychology; \*Cognition; \*Cognitive, Affective, and Behavioral Neuroscience; \*Cognitive Linguistics; \*Cognitive Processing; \*Cognitive Psychology; \*Cognitive Science; Frontiers in Human Neuroscience; \*Frontiers in Psychology; Journal of Cognition; Journal of Cross-Cultural Psychology; \*Journal of Experimental Psychology: General; \*Journal of Experimental Psychology: Human Perception and Performance; \*Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Numerical Cognition; Language and Cognition; \*Language Learning; Laterality: Asymmetries of Body, Brain and Cognition; \*Memory & Cognition; Metaphor and Symbol; Nature Communications; PLOS ONE; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; \*Review of Philosophy and Psychology; \*Science; Second Language Research

Grants: National Science Foundation, SBE (Social, Behavioral, and Economic Sciences Division) merit review panelist, 2014-16, '18; ad hoc reviewer (Perception, Action, and Cognition; Research Experiences for Undergraduates), 2013-20

Conferences: Cognitive Science Society, every year from 2008-21 (Program Committee member, 2018, 2020-21); Progress in Colour Studies, 2013

Book chapter: Mouton Handbook of Cognitive Linguistics

Textbook chapters: Cambridge University Press, 2016; Sinauer/Oxford University Press, 2014

Undergraduate journal: American Journal of Undergraduate Research

#### **Press**

Springer: "Gamble on your opponent's gaze if you want to win"	2016
Covered in The Economist, Men's Health, Babbage podcast, Psychonomic Society, a	and others
Around the Block, Colorado College website:	
"Student research provides value to students and professors"	2019
"Students, faculty contribute to facial expression research"	2016
"Kevin Holmes' research: Eyes betray blackjack players"	2016
"Student-faculty collaboration fuels summer research"	2015
gradPSYCH, Research Roundup: "What came first, the concept or the name?"	2013