

# Curriculum Vitae

## Dr. Michael C. Hout

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### Education

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- Ph.D., Psychology (2013), Arizona State University, Tempe, AZ.  
Dissertation: *Target templates: How the precision of mental representations affects attentional guidance and decision-making in visual search.*
- M.A., Psychology (2009), Arizona State University, Tempe, AZ.  
Thesis: *Eye-movements in repeated visual search.*
- B.S., Psychology (2005), University of Pittsburgh, Pittsburgh, PA.  
Graduated *Cum Laude*, minor in Neuroscience.



### Academic/Professional Employment

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- Program Director, July 2020 - present:  
Perception, Action, & Cognition program, National Science Foundation.
- Associate Professor, August 2018 – present:  
Department of Psychology, New Mexico State University.
- Associate Editor, December 2016 – present:  
Attention, Perception, & Psychophysics.
- Assistant Professor, August 2013 – August 2018:  
Department of Psychology, New Mexico State University.



### Other Professional Positions

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#### Laboratory Directorships:

- Co-director (with Dr. Phillip Post): *Addison Care Virtual and Augmented Reality Laboratory*. New Mexico State University. May 2019 – present.
- Director: *Vision Sciences and Memory Laboratory*. New Mexico State University. August 2013 – present.

#### Unpaid Journal Editorships:

- Consulting Editor: *The Journal of Experimental Psychology: Human Perception, & Performance*, Fall 2015 – present.
- Consulting Editor: *The Journal of General Psychology*, Fall 2015 – Winter 2018.
- Consulting Editor: *Attention, Perception, & Psychophysics*, Fall 2015 – Winter 2016.

Associate Director: New Mexico State University, College of Arts and Sciences *Discovery Scholars* program. Fall 2016 – present.  
Web: <http://discoveryscholars.nmsu.edu/>

Conference Organizer (2013 and 2014): *Object Perception, Attention, and Memory* conference. Web: <http://www.opam.net/>

Visiting Research Associate: Department of Psychology, University of Southampton, United Kingdom (July – August, 2012).

#### Professional Consultancies:

- Major League Baseball, Umpire Training, November 2017 – December 2018.
- Cengage Publishers, June 2015 – July 2018.

### Notable Scholarship or Teaching Awards, Recognitions

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- New Mexico State University College of Arts and Sciences “*Department Star*” recognition. Honorees recognized are living individuals who have achieved state, national, or international distinction by their accomplishments and leadership, all while supporting their community and the NMSU College of Arts and Sciences. (Spring, 2019).

- Association for Psychological Science *Rising Star Award* (2017) for “outstanding psychological scientists in the earliest stages of their research careers post-PhD.” Awarded by APS, the “leading international organization dedicated to advancing scientific psychology across disciplinary and geographic borders.” (Fall, 2017). <http://www.psychologicalscience.org/redesign/wp-content/uploads/2017/12/2017-Rising-Stars.pdf>
- Donald C. Roush Award for Teaching Excellence. Awarded by the Office of the Provost, New Mexico State University. Amount: \$1,000. (Fall, 2016).
- Early Career Award for Exceptional Achievements in Creative Scholarly Activity. Awarded by the Sixteenth Annual University Research Council, New Mexico State University. Amount: \$2,000. (Spring, 2016).
- Outstanding Achievement Award in Scholarship. Awarded by the College of Arts and Sciences, New Mexico State University. Amount: \$1,500. (Spring, 2015).

## Major Grants and Funding

1. **Hout, M. C.**, & Post, P. (2020). Strategy training in search: Evidence from eye movements and virtual reality.  
**Agency:** National Institutes of Health, NM IdeA Networks of Biomedical Research Excellence (INBRE), Developmental Research Project.  
**Role:** PI.  
**Amount:** \$35,620.
2. **Hout, M. C.**, & Post, P. (2018 - present). The effects of virtual reality on skill acquisition, visual search, and fall prevention.  
**Sponsor:** Electronic Caregiver.  
**Role:** Co-PI.  
**Status:** Funded, ongoing.  
**Amount:** \$350,00+.
3. MacDonald, J., **Hout, M. C.**, Crueser, C., & Choudhury, M. (2017 - present). Attention-guided speech enhancement for hearing impaired listeners.  
**Agency:** National Institutes of Health, National Institute on Deafness and Other Communication Disorders.  
**Role:** Collaborator.  
**Status:** Funded.  
**Amount:** \$856,933.

## Peer-reviewed Journal Articles

-- Supervised graduate student authors are denoted by asterisks (\*)

1. Robbins, A., & **Hout, M. C.** (2020). Typicality guides attention during categorical search, but not universally so. *Quarterly Journal of Experimental Psychology*. doi: 10.1177/1747021820936472.
2. Guevara-Pinto, J., Papesh, M. H., & **Hout, M. C.** (2020). The detail is in the difficulty: Challenging search facilitates rich incidental object encoding. *Memory & Cognition*. doi: 10.3758/s13421-020-01051-3.
3. Walenchok, S. C., Goldinger, S. D., & **Hout, M. C.** (2020). The confirmation and prevalence biases in visual search reflect separate underlying processes. *Journal of Experimental Psychology: Human Perception and Performance*, 46, 274-291. doi: 10.1037/xhp0000714.
4. \*Sabic, E., Henning, D., Myuz, H., \*Morrow, A., **Hout, M. C.**, & MacDonald, J. (2020). Examining the role of eye movements during conversational listening in noise. *Frontiers in Psychology*, 11:200. doi: 10.3389/fpsyg.2020.00200.
5. Richie, D. R., \*White, B., Bhatia, S., & **Hout, M. C.** (2020). The spatial arrangement method of measuring similarity can capture high-dimensional, semantic structures. *Behavior Research Methods*. doi: 10.3758/s13428-020-01362-y.
6. Aiken, C. A., Post, P. G., **Hout, M. C.**, & Fairbrother, J. T. (2019). Self-controlled amount and pacing of practice facilitate learning of a sequential timing task. *Journal of Sports Sciences*. doi: 10.1080/02640414.2019.1704498.
7. MacDonald, J., **Hout, M. C.**, & Schmidt, J. (2019). An algorithm to minimize the number of blocks in incomplete block designs. *Behavior Research Methods*. doi: 10.3758/s13428-019-01326-x.
8. Robbins, A., & **Hout, M. C.** (2019). Scene priming provides clues about target appearance that improve attentional guidance during categorical search. *Journal of Experimental Psychology: Human Perception and Performance*. doi: 10.1037/xhp0000707.
9. \*Madrid, J., & **Hout, M. C.** (2019). Examining the effects of passive and active strategies on behavior during hybrid visual memory search: Evidence from eye tracking. *Cognitive Research: Principles and Applications*, 4:39. doi: 10.1186/s41235-019-0191-2.

10. Coburn, A., Kardan, O., Kotabe, H., Steinberg, J., **Hout, M. C.**, \*Robbins, A., MacDonald, J., Hayn-Leichsenring, G., & Berman, M. (2019). Psychological responses to natural patterns in architecture. *Journal of Environmental Psychology*, *62*, 133-145. doi: 10.1016/j.jenvp.2019.02.007.
11. \*Madrid, J., Cunningham, C., \*Robbins, A., & **Hout, M. C.** (2019). You're looking for what?: Comparing search for familiar, nameable objects to search for unfamiliar, novel objects. *Visual Cognition*. doi: 10.1080/13506285.2019.1577318.
12. **Hout, M. C.**, Cunningham, C., \*Robbins, A., & MacDonald, J. (2018). Simulating the fidelity of data for large stimulus set sizes and variable dimension estimation in multidimensional scaling. *Sage Open*. doi: 10.1177/2158244018773143.
13. \*Scarince, C., & **Hout, M. C.** (2018). Cutting through the MADness: Expectations about what a target is doing impacts how likely it is to be found in dynamic visual displays. *The Quarterly Journal of Experimental Psychology*. doi: 1747021817741408.
14. **Hout, M. C.**, \*Robbins, A., Godwin, H. J., Fitzsimmons, G., & \*Scarince, C. (2017). Categorical templates are more useful when features are consistent: Evidence from eye-movements during search for societally important vehicles. *Attention, Perception, & Psychophysics*, *79*, 1578-1592. doi: 10.3758/s13414-017-1354-1.
15. Ratiu, I., **Hout, M. C.**, Walenchok, S., Azuma, T., & Goldinger, S. D. (2017). Bilingual search advantage: Comparing visual search and eye movements in bilinguals and monolinguals. *Attention, Perception, & Psychophysics* doi: 10.3758/s13414-017-1328-3.
16. Walenchok, S. C., **Hout, M. C.**, & Goldinger, S. D. (2016). Implicit object naming in visual search: Evidence from phonological competition. *Attention, Perception, & Psychophysics*, *78*, 2633-2654. doi: 10.3758/s13414-016-1184-6.
17. Goldinger, S. D., Papesh, M. H., Barnhart, A. S., Hansen, W. A., & **Hout, M. C.** (2016). The poverty of embodied cognition. *Psychonomic Bulletin & Review*, *23*, 959-978. doi: 10.3758/s13423-015-0860-1.
18. **Hout, M. C.**, & Goldinger, S. D. (2016). SpAM is convenient, but also satisfying: Reply to Verheyen et al. (2016). *Journal of Experimental Psychology: General*, *3*, 383-387. doi: 10.1037/xge000014.
19. Papesh, M. H., Goldinger, S. D., & **Hout, M. C.** (2016). Eye movements reveal fast, voice-specific priming. *Journal of Experimental Psychology: General*, *3*, 314-337. doi: 10.1037/xge0000135.
20. Horst, J. S., & **Hout, M. C.** (2015). The Novel Object and Unusual Name (NOUN) Database: A collection of novel images for use in experimental research. *Behavior Research Methods*, *48*, 1393-1409. doi: 10.3758/s13428-015-0647-3.
21. **Hout, M. C.**, Godwin, H. J., Fitzsimmons, G., \*Robbins, A., Menneer, T., & Goldinger, S. D. (2015). Using multidimensional scaling to quantify similarity in visual search and beyond. *Attention, Perception, & Psychophysics*, *78*, 3-20. doi: 10.3758/s13414-015-1010-6.
22. Godwin, H. J., Walenchok, S., Houpt, J. W., **Hout, M. C.**, & Goldinger, S. D. (2015). Faster than the speed of rejection: Object identification processes during visual search for multiple targets. *Journal of Experimental Psychology: Human Perception & Performance*, *41*, 1007-1020. doi: 10.1037/xhp0000036.
23. **Hout, M. C.**, Walenchok, S. C., Goldinger, S. D., & Wolfe, J. M. (2015). Failures of perception in the low-prevalence effect: Evidence from active and passive visual search. *Journal of Experimental Psychology: Human Perception & Performance*, *41*, 977-994. doi: 10.1037/xhp0000053.
24. Kardan, O., Demiralp, E., **Hout, M. C.**, Hunter, M., Karimi, H., Hanayik, T., Yourganov, G., Jonides, J., & Berman, M. G. (2015). Is the preference of natural versus man-made scenes driven by top-down or bottom-up processing? *Frontiers in Psychology*, *6*, 1-13. doi: 10.3389/fpsyg.2015.00471.  
**Supplemental material:** <http://journal.frontiersin.org/article/10.3389/fpsyg.2015.00471/abstract>
25. **Hout, M. C.**, & Goldinger, S. D. (2015). Target templates: The precision of mental representations affects attentional guidance and decision-making in visual search. *Attention, Perception & Psychophysics*, *77*, 128-149. doi: 10.3758/s13414-014-0764-6.  
**Supplemental material:** <http://link.springer.com/article/10.3758%2Fs13414-014-0764-6>
26. Berman, M. G., **Hout, M. C.**, Kardan, O., Hunter, M., Yourganov, G., Henderson, J. M., Hanayik, T., Karimi, H., & Jonides, J. (2014). The perception of naturalness correlates with low-level visual features of environmental scenes. *PLoS ONE*, *9*: e114572. doi: 10.1371/journal.pone.0114572.  
**Supplemental material:** dois: 10.1371/journal.pone.0114572.s001 and 10.1371/journal.pone.0114572.s002
27. **Hout, M. C.**, Goldinger, S. D., & Brady, K. J. (2014). MM-MDS: A multidimensional scaling database with similarity ratings for 240 object categories from the Massive Memory picture database. *PLoS ONE*, *9*: e112644. doi: 10.1371/journal.pone.0112644.
28. McFrederick, Q. S., Wcislo, W. T., **Hout, M. C.**, & Mueller, U. G. (2014). Host developmental stage, not host sociality, affects bacterial community structure in socially polymorphic bees. *FEMS Microbiology Ecology*, *88*, 398-406. doi: 10.1111/1574-6941.12302.
29. Godwin, H., **Hout, M. C.**, & Menneer, T. (2014). Visual similarity is stronger than semantic similarity in guiding visual search for numbers. *Psychonomic Bulletin & Review*, *21*, 689-695. doi: 10.3758/s13423-013-0547-4  
**Supplemental material:** <http://link.springer.com/article/10.3758%2Fs13423-013-0547-4>

30. **Hout, M. C.**, Goldinger, S. D., & Ferguson, R. W. (2013). The versatility of SpAM: A fast, efficient spatial method of data collection for multidimensional scaling. *Journal of Experimental Psychology: General*, *142*, 256-281. doi: 10.1037/a0028860.  
**Supplemental material:** <http://dx.doi.org/10.1037/a0028860.supp>
31. **Hout, M. C.**, Papesch, M. H., & Goldinger, S. D. (2012). Multidimensional scaling. *Wiley Interdisciplinary Reviews (WIREs): Cognitive Science*, *4*, 93-103. doi: 10.1002/wcs.1203.  
**Supplemental material:** available at [www.michaelhout.com](http://www.michaelhout.com)
32. **Hout, M. C.**, & Goldinger, S. D. (2012). Incidental learning speeds visual search by lowering response thresholds, not by improving efficiency: Evidence from eye movements. *Journal of Experimental Psychology: Human Perception and Performance*, *38*, 90-112. doi: 10.1037/a0023894.
33. Papesch, M. H., Goldinger, S. D., & **Hout, M. C.** (2012). Memory strength and specificity revealed by pupillometry. *International Journal of Psychophysiology*, *83*, 56-64. doi: 10.1016/j.ijpsycho.2011.10.002.
34. Homa, D., **Hout, M. C.**, Milliken, L., & Milliken, A. M. (2011). Bogus concerns about the false prototype enhancement effect. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *37*, 368-377. doi: 10.1037/a0021803.
35. **Hout, M. C.**, & Goldinger, S. D. (2010). Learning in repeated visual search. *Attention, Perception & Psychophysics*, *72*, 1267-1282. doi: 10.3758/APP.72.5.1267.

### Publications in the Media (Popular and General Science Outlets)

-- Supervised graduate student authors are denoted by asterisks (\*); supervised undergraduate student authors are denoted by daggers (†).

1. Berger, M., Henning, D., & **Hout, M. C.** (in press). Working out your pain: Why physically intense exercise is painful. Submitted to *Frontiers for Young Minds*.
2. Cochran, S., & **Hout, M. C.** (in press). Video games for good!: Leveling up injury recovery. Submitted to *Frontiers for Young Minds*.
3. Del Sordo, G., Moyer, E., \*Goode, D., & **Hout, M. C.** (2020). "This will only hurt for a minute": How our brain plans for pain. *Frontiers for Young Minds*, *8*:539649. doi: 10.3389/frym.2020.539649. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2020.539649>
4. Robbins, A., & **Hout, M. C.** (2019). Using your brain (not just your eyes) to find lost objects. *Frontiers for Young Minds* *7*:89. doi: 10.3389/frym.2019.00089. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2019.00089>
5. Berg, M., \*Morrow, A., & **Hout, M. C.** (2019). Wake up, brain!: Using electricity to think and feel differently. *Frontiers for Young Minds*, *7*:62. doi: 10.3389/frym.2019.00062. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2019.00062>
6. Myuz, H., & **Hout, M. C.** (2019). Trick, or treat?: How artificial sweeteners fool the brain and body. *Frontiers for Young Minds*, *7*:51. doi: 10.3389/frym.2019.00051. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2019.00051>
7. †Torres, A., & **Hout, M. C.** (2019). Pupils: A window into the mind. *Frontiers for Young Minds*. *7*:3. doi: 10.3389/frym.2019.00003. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2019.00003>
8. \*Madrid, J., & **Hout, M. C.** (2018). Eye spy: Why we need to move our eyes to gather information about the world. *Frontiers for Young Minds*. *6*:71. doi: 10.3389/frym.2018.00071. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2018.00071>
9. Henning, D., \*Sabic, E., & **Hout, M. C.** (2018). Hear and there: Sounds from everywhere! *Frontiers for Young Minds*. *6*:63. doi: 10.3389/frym.2018.00063. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2018.00063#>
10. \*Penn, R., & **Hout, M. C.** (2018). Making reality virtual: How VR "tricks" your brain. *Frontiers for Young Minds*, *6*:62. doi: 10.3389/frym.2018.00062. Link to online version: <https://kids.frontiersin.org/article/10.3389/frym.2018.00062?fbclid=IwAR1L1YV84t8Or9jHQfESH5JBUepIm7esEOffirqrBAt6mw8B-LqXeWltoc>
11. \*Robbins, A., & **Hout, M. C.** (2015). Look into my eyes. *Scientific American MIND magazine*, *26*, 54-61. Link to the online version: <http://www.scientificamerican.com/article/new-technologies-track-our-eyes-and-read-our-minds/>
12. **Hout, M. C.**, & Goldinger, S. D. (2013). To see or not to see? *Scientific American MIND Magazine*, *24*, 60-67. Link to the online version: [http://www.scientificamerican.com/article.cfm?id=how-your-eyes-search-scene&WT.mc\\_id=SA\\_MND\\_20130606](http://www.scientificamerican.com/article.cfm?id=how-your-eyes-search-scene&WT.mc_id=SA_MND_20130606)



## Appearances in the Media (Popular Science Outlets)

1. **Hout, M. C.** (2018). “An Eye for Cognitive Innovation” Guest appearance on *The Neuro Transmission* podcast. (Season 2, Episode 14). <http://pca.st/dsV3>
2. **Hout, M. C.** (2018). “Cognitive Psychology: Flying Below the Radar.” Guest appearance on *The Neuro Transmission* podcast. (Season 2, Episode 13). <http://pca.st/wZ5z>



Link to podcast website: <https://www.cengage.com/discipline-psychology/neurotransmission-podcast>

## Invited Symposia, Talks, and Workshops (External)

-- Supervised graduate student authors are denoted by asterisks (\*); supervised undergraduate student authors are denoted by daggers (†).

1. **Hout, M. C.**, Guevara Pinto, J., & Papesh, M. H. (2019). The detail is in the difficulty: Challenging search facilitates incidental encoding of object’s perceptual details. *Invited research talk presented to the Department of Psychology at Macquarie University (Australia; July 2019).*
2. **Hout, M. C.**, Guevara Pinto, J., & Papesh, M. H. (2019). The detail is in the difficulty: Challenging search facilitates incidental encoding of object’s perceptual details. *Invited research talk presented to the Department of Psychology at the University of Wollongong (Australia; July 2019).*
3. **Hout, M. C.**, & \*Madrid, J. (2019). Examining passive and active search strategies during hybrid visual memory search: Evidence from eye movements. *Invited research talk presented to the Centre for Visual Cognition (in the Psychology department) at the University of Southampton (England; April, 2019).*
4. **Hout, M. C.**, & \*Madrid, J. (2018). Passive search strategies improve attentional guidance and object recognition during demanding visual search. *Invited (and funded) symposium presented at the 4<sup>th</sup> Symposium on Visual Search and Selective Attention in Munich, Germany (July, 2018).*
5. **Hout, M. C.**, & \*Madrid, J. (2018). Passive search strategies improve attentional guidance and object recognition during demanding visual search. *Invited (and funded) talk presented to the Psychology department at the University of Chicago (May, 2018).*
6. **Hout, M. C.** (2017). Using multi-dimensional scaling to conduct better experiments in cognitive science. *Invited (and funded) symposium talk presented at the Southwestern Psychological Association meeting; San Antonio, TX (March, 2017).*
7. **Hout, M. C.**, †Lopez, A., \*Robbins, A., & Papesh, M. H. (2017). Becoming an expert at difficult visual search: Experience fine-tunes mental representations of target categories. *Invited (and funded) research talk presented to the Psychology department at the University of Arizona (February, 2017).*
8. **Hout, M. C.** (2016). An introductory workshop on multidimensional scaling: What it is, what it can do for you, and how to use it properly. *Invited (and funded) workshop presented to the Psychology department at Louisiana State University (November, 2016).*
9. **Hout, M. C.** (2016). Mental representations in visual search: Basic research informing the real-world application of vision science. *Invited (and funded) research talk presented to the Psychology department at California State University Polytechnic, Pomona (February, 2016).*
10. **Hout, M. C.** (2015). Failures of perception in the low-prevalence effect: Evidence from active and passive visual search. *Invited research talk presented to the Psychology department at the University of Texas, El Paso (May, 2015).*
11. **Hout, M. C.** (2013). The intersection of memory and attention in visual search. *Invited (and funded) research talk presented to the Psychology department at New Mexico State University (March, 2013).*
12. **Hout, M. C.** (2012). Small perceptual differences cause big problems when they make your “target template” imprecise. *Invited (and funded) research talk presented to the Psychology department at the University of Iowa (October, 2012).*
13. **Hout, M. C.** (2012). Multidimensional scaling: An introductory workshop. *Invited workshop presented to the Psychology department at the University of Southampton (England; July 2012).*
14. **Hout, M. C.** (2012). RSVPpupillometry: Visual search examined using behavioral data, exemplar modeling and psychophysiology. *Invited research talk presented to the Centre for Visual Cognition (in the Psychology department) at the University of Southampton (England; July, 2012).*
15. **Hout, M. C.** (2012). RSVPpupillometry: Visual search challenges examined using an exemplar model and psychophysiology. *Invited research talk presented to Jeremy Wolfe’s Visual Attention Seminar Series in Brigham and Women’s Hospital, Harvard Medical School (June, 2012).*
16. **Hout, M. C.** (2010). Eye movements in repeated visual search. *Invited research talk presented to the Learning Research and Development Center at the University of Pittsburgh (April, 2010).*

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 Invited Talks and Workshops (Internal)
 

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1. **Hout, M. C.** (2018). Writing to learn? It's not just for writing courses. *Panelist at the 2018 NMSU Assessment Conference: Writing to Think. (Las Cruces, NM; April, 2018).*
2. **Hout, M. C.** (2016). Watching your eyes: How gaze-tracking technology lets us control gadgets, diagnose disease, and much more. *New Mexico State University, Salon Discovery Series. (Las Cruces, NM; March, 2016).*
3. Walenchok, S. C., **Hout, M. C.**, Goldinger, S. D., & Wolfe, J. M. (2013). Hiding in plain sight: Examining the low prevalence effect in visual search. *Research talk presented at the 4<sup>th</sup> Annual Arizona State / University of Arizona Cognitive Conclave (Tucson, Arizona; December, 2013; Read by Steve Walenchok).*
4. **Hout, M. C.** (2013). Vision happens in the brain, not the eyes. *New Mexico State University, College of Arts & Sciences Colloquium Series on Science and Society. (Las Cruces, NM; November 2013).*  
More details and press release: <http://newscenter.nmsu.edu/9836/nmsu-psychology-professor-to-speak-at-college-of-arts-and-sciences-colloquium>
5. **Hout, M. C.** (2012). Target “templates”: Examining the precision and stability of mental representations during visual search. *Research talk presented at the 3<sup>rd</sup> Annual Arizona State / University of Arizona Cognitive Conclave (Tempe, Arizona; December, 2012).*
6. **Hout, M. C.** (2011). SQuEaL (Scanning Quiet Echoes and Learning): An exemplar model used to investigate a memory paradox. *Research talk presented at the 2<sup>nd</sup> Annual Arizona State / University of Arizona Cognitive Conclave (Tucson, Arizona; December, 2011).*
7. **Hout, M. C.** (2009). Introduction to E-Prime. *Invited methodology workshop presented to the Social Psychology department at Arizona State University (March, 2009).*

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 Submitted/Unfunded Grant Applications
 

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1. Ratiu, I., **Hout, M. C.**, Azuma, T., & MacDonald, J. (2020). The impact of mild traumatic brain injuries and naturalistic auditory distraction on reading: An eye-tracking investigation.  
**Agency:** National Institutes of Health.  
**Role:** Collaborator.  
**Amount:** \$428,076. *Under review.*
2. MacDonald, J., & **Hout, M. C.** (2020). Control mechanisms for spatial filtering in hearing aids.  
**Agency:** Alzheimer's Research UK, Discovery Research Grant 2020.  
**Role:** Co-PI.  
**Amount:** £200,000. *Under review.*
3. **Hout, M. C.**, & MacDonald, J. (2019). Auditory augmented reality: A flexible, general purpose listening enhancement algorithm controlled by real-time eye gaze.  
**Agency:** Sony, Faculty Innovation Award, Human Computer Interaction (System Technology for AR/VR/MR).  
**Role:** PI.  
**Amount:** \$100,000. *Not awarded.*
4. Fraune, M. R., Dehghan-Niri, E., & **Hout, M. C.** (2019). Group effects on trust, moral decision-making, and performance related to Artificial Intelligence (AI) across broad applications and cultures.  
**Agency:** Department of Defense, Minerva Research Initiative.  
**Role:** Co-PI.  
**Amount:** \$1,343,580. *Not awarded.*
5. Madson, L., **Hout, M. C.**, & Fraune, M. (2018). Teammate relationships formed in TBL classes provide enduring benefits. Team-based learning collaborative research grant.  
**Agency:** Team-Based Learning Collaborative.  
**Amount:** \$2,600. *Not awarded.*
6. Madson, L., **Hout, M. C.**, & Fraune, M. (2018). Team-based learning fosters enduring supportive peer relationships. Scholarship of Teaching and Learning small grant.  
**Agency:** Association for Psychological Science, Teaching Fund small grant.  
**Amount:** \$2,500. *Not awarded.*
7. **Hout, M. C.**, Post, P., MacDonald, J., Fisher, D., & Lau, K. S. (2017). Using Virtual Reality as a Tool to Empirically Study Search and Rescue Performance. Interdisciplinary IMPACT Mini-grant.  
**Agency:** New Mexico State University, Offices of the Vice President for Research and the Provost.  
**Amount:** \$40,000. *Not awarded.*

8. **Hout, M. C.**, & Papesh, M. H. (2016). Using shared gaze to create an automated training model for search.  
**Agency:** Transportation Security Agency (TSA), Transportation Security Innovative Concepts.  
**Role:** Principle Investigator.  
**Amount:** \$1,013,728. (\$795,797 to NMSU). *Not awarded.*
9. Multi-team proposal. (2016). FAA Center of Excellence for Technical Training and Human Performance program proposal.  
**Agency:** Federal Aviation Administration.  
**Role:** Collaborator.  
**Amount:** ~1,000,000. *Not awarded.*
10. **Hout, M. C.** (2012). Overcoming the low-prevalence effect in visual search.  
**Agency:** NIH, National Eye Institute; NRSA F32.  
**Sponsor:** Jeremy Wolfe, Brigham & Women's Institute, Harvard Medical School.  
**Outcome:** *Reviewed, not awarded, not revised (because I accepted a faculty position).*

### Funded Grant Awards (Internal and Small External)

1. Madson, L., **Hout, M. C.**, & Fraune, M. (2020). Teammate relationships formed in TBL classes provide enduring benefits.  
**Agency:** Team-based Learning Collaborative.  
**Amount:** 5,000.
2. **Hout, M. C.** (2016). "Writing To Learn" Mini-Grant.  
**Agency:** New Mexico State University, Teaching Academy.  
**Amount:** \$3,000.
3. **Hout, M. C.** (2015-2017). Investigating Collaborative Search: Can Teamwork Systematically Overcome Some of the Challenges in Difficult Search?  
**Agency:** New Mexico State University, College of Arts and Sciences Discovery Scholars Award  
**Amount:** \$11,500.
4. **Hout, M. C.** (2014). Guidance of search by visual and semantic similarity.  
**Agency:** New Mexico State University, College of Arts and Sciences Travel Grant.  
**Amount:** \$1000.
5. **Hout, M. C.** (2013). Overcoming the low-prevalence problem in visual search.  
**Agency:** New Mexico State University, College of Arts and Sciences Mini-grant.  
**Amount:** \$900.
6. **Hout, M. C.** (2013). Vision happens in the brain, not the eyes.  
**Agency:** New Mexico State University, College of Arts & Sciences Colloquium Series Award.  
**Amount:** \$200.
7. **Hout, M. C.** (2012). Small perceptual differences cause big problems when they make your "target template" imprecise.  
**Agency:** Travel Award; *Object Perception, Attention, and Memory* conference committee. Sponsored in part by the National Eye Institute and National Institute of Health.  
**Amount:** \$250.

### Peer-reviewed Conference Proceedings

-- Supervised graduate student authors are denoted by asterisks (\*)

1. Richie, D. R., \*White, B., Bhatia, S., & **Hout, M. C.** (2020). The spatial arrangement method of measuring similarity can capture high-dimensional, semantic structures. *Proceedings Paper presented at the 42<sup>nd</sup> Annual Meeting of the Cognitive Science Society in Toronto, Canada* (July, 2020).
2. \*Robbins, A., & **Hout, M. C.** (2015). Categorical templates: Typical category members are found and identified quickly during word-cued search. *Summary published in Object Perception, Attention, and Memory (OPAM) 2015 Conference Report, Visual Cognition, 23*, 817-821. doi: 10.1080/13506285.2015.1093247.
3. Moher, J., **Hout, M. C.**, Lustig Michal, A., & Godwin, H. (2014). Object Perception, Attention and Memory 2014 Conference Report (22<sup>nd</sup> Annual Meeting, Long Beach, California), *Visual Cognition, 22*, 1013-1049. doi: 10.1080/13506285.2014.974900.
4. Cosman, J., Mack, M., **Hout, M. C.**, & Moher, J. (2013). Object Perception, Attention and Memory 2013 Conference Report (21<sup>st</sup> Annual Meeting, Toronto, Ontario, Canada), *Visual Cognition, 21*, 673-725. doi: 10.1080/13506285.2013.849902.

5. Walenchok, S. C., **Hout, M. C.**, & Goldinger, S. D. (2013). What does that picture sound like to you?: Oculomotor evidence for phonological competition in visual search. *Summary published in Object Perception, Attention, and Memory (OPAM) 2013 Conference Report, Visual Cognition, 21*, 718-722. doi: 10.1080/13506285.2013.844970.
6. **Hout, M. C.**, & Goldinger, S. D. (2011). Multiple-target search increases workload but enhances incidental learning: A computational modeling approach to a memory paradox. *Summary published in Object Perception, Attention, and Memory (OPAM) 2011 Conference Report, Visual Cognition, 18-21*. doi: 10.1080/13506285.2011.618773.

## Book Chapters

-- Supervised graduate student authors are denoted by asterisks (\*)

1. \*Sams, R., & **Hout, M. C.** (2017). Understanding the dual-process theory of decision-making. *Advances in Psychology Research*, Volume 115. Nova Science Publications, Hauppauge, NY.
2. \*Madrid, J., \*Robbins, A., \*Scarince, C., Godwin, H. J., & **Hout, M. C.** (2016). Visual spatial attention: What it is, how it works, and what it does for us. In *Spatial Attention: Function, Influences and Performance*. Nova Science Publications, Hauppauge, NY.
3. \*Scarince, C., \*Madrid, J., **Hout, M. C.**, & Trafimow, D. (2015). Signal detection theory: Overview and recent considerations. In *Advances in Psychology Research*, Volume 112 (pp. 129 – 150). Nova Science Publications, Hauppauge, NY.

## Manuscripts Under Review/Revision

-- Supervised graduate student authors are denoted by asterisks (\*); supervised undergraduate student authors are denoted by daggers (†).

1. Papesh, M. H., **Hout, M. C.**, Guevara Pinto, J. D., Robbins, A., †Lopez, A. (*under review for the second time*). Eye movements reflect the development of expertise in hybrid search. Submitted to *Cognitive Research: Principles and Implications*.
2. Zsidó, A. N., Stecina, D. T., & **Hout, M. C.** (*under review for the second time*). Task demands determine whether shape or arousal of a stimulus modulate competition for working memory resources. Submitted to *Psychological Research*.
3. **Hout, M. C.**, \*White, B., \*Madrid, J., Godwin, H. J., & Scarince, C. (*being revised to resubmit*). Multi-modal search: Examining strategy use during search for Lego bricks. Submitted to *Journal of Experimental Psychology: Applied*.
4. Sabic, E., **Hout, M. C.**, MacDonald, J. A., Henning, D., Myuz, H., & Morrow, A. (*being revised to resubmit*). Understanding speech with our eyes and ears. Submitted to *Frontiers for Young Minds*.
5. Guevara Pinto, J. D., Papesh, M. H., & **Hout, M. C.** (*being revised to resubmit*). Learning by accident: Sometimes memory mistakes are not totally wrong. Submitted to *Frontiers for Young Minds*.
6. Zsidó, A. N., Stecina, D. T., Cseh, R., & **Hout, M. C.** (*under review*). The effects of task-irrelevant threatening stimuli on orienting- and executive attentional processes under cognitive load. Submitted to *Quarterly Journal of Experimental Psychology*.
7. Robbins, A., & **Hout, M. C.** (*under review*). Searching for the unknown: How your surroundings provide clues about difficult-to-spot items. Submitted to *Frontiers for Young Minds*.

## Media Attention

- On August 6<sup>th</sup>, 2020, NMSU ran a story about my move to the National Science Foundation to be a Program Director. The full article can be found here: <https://newscenter.nmsu.edu/Articles/view/14350/two-nmsu-professors-selected-for-nsf-program-director-appointments>
- On October 2<sup>nd</sup>, 2019, the *Addison Care Virtual and Augmented Reality Laboratory* – sponsored by Las Cruces based tech company Electronic Caregiver and co-directed by myself and Dr. Phillip Post – opened on NMSU campus. This event was widely covered in the media, including:
  - Youtube coverage of the lab from NMSU: [https://www.youtube.com/watch?v=Q0BEX1iw-7U&fbclid=IwAR1v60\\_w60FgxsRLNjQ2WxoNV4E7DoYKSNrNh2yNxRzcdU7h29agOI7VgMM](https://www.youtube.com/watch?v=Q0BEX1iw-7U&fbclid=IwAR1v60_w60FgxsRLNjQ2WxoNV4E7DoYKSNrNh2yNxRzcdU7h29agOI7VgMM)
  - An NMSU news briefing: [https://newscenter.nmsu.edu/Articles/view/13886/nmsu-electronic-caregiver-unveil-virtual-reality-lab-at-milton-hall?fbclid=IwAR2wh\\_bN-EV00JcRrU39GrLm94G\\_HOTVQrBT6cq8vpjp7TQfCWXA9T-sql](https://newscenter.nmsu.edu/Articles/view/13886/nmsu-electronic-caregiver-unveil-virtual-reality-lab-at-milton-hall?fbclid=IwAR2wh_bN-EV00JcRrU39GrLm94G_HOTVQrBT6cq8vpjp7TQfCWXA9T-sql)



- KVIA El Paso news coverage: <https://www.kvia.com/news/new-mexico/virtual-reality-research-lab-unveiled-at-new-mexico-state-university/1128290800>
- KTSM El Paso news coverage: <https://www.ktsm.com/local/nmsu-unveils-virtual-reality-research-lab-improve-quality-of-life-for-others/>
- Las Cruces Sun News coverage: <https://www.lcsun-news.com/story/news/2019/10/03/nmsu-professors-demonstrated-functions-of-the-virtual-reality-lab/3847061002/>
- On January 7<sup>th</sup>, 2019, the *Las Cruces Sun News* ran a story about the virtual reality lab that is being built through donations from Electronic Caregiver, and co-directed by myself and Dr. Phil Post. The full article can be found here: [https://www.lcsun-news.com/story/news/education/nmsu/2019/01/07/nmsu-create-virtual-reality-lab-gift-electronic-caregiver/2507215002/?fbclid=IwAR3xMDtr7rwi3lGJkVCmi\\_axtc5IVuUqFK1hMOqm3BTp\\_hftpsmNeopJip4](https://www.lcsun-news.com/story/news/education/nmsu/2019/01/07/nmsu-create-virtual-reality-lab-gift-electronic-caregiver/2507215002/?fbclid=IwAR3xMDtr7rwi3lGJkVCmi_axtc5IVuUqFK1hMOqm3BTp_hftpsmNeopJip4)
- On February 18<sup>th</sup>, 2017, the *Las Cruces Sun News* ran a story about the *Rising Star* award I received from the *Association for Psychological Science*. The full article can be found at: <http://www.lcsun-news.com/story/news/education/nmsu/2018/02/17/nmsu-professor-receives-award-advancing-psychology/348314002/>
- On July 26<sup>th</sup>, 2017, our work was featured in a Psychonomic Society blog post by Dr. Gary Lupyan. Gary discussed our recent article in *Attention, Perception, & Psychophysics* entitled, "Categorical templates are more useful when features are consistent: Evidence from eye-movements during search for societally important vehicles." The full article can be found at: <https://featuredcontent.psychonomic.org/finding-the-waldolance-among-sedans-verbal-cues-can-guide-search-for-societally-important-vehicles/>
- In April, 2017, the *Las Cruces Sun News* ran a story on the *Discovery Scholars Program*, of which I am the associate director. Link to the online story: <http://www.lcsun-news.com/story/news/2017/03/25/nmsus-discovery-scholars-program-gives-students-paid-research-experience/99603844/>
- In January, 2017, NMSU covered the awards given out at the spring convocation, of which I was a recipient (of the *Donald C. Roush* award for excellence in teaching). Link to the online story: <https://newscenter.nmsu.edu/Articles/view/12307/nmsu-honors-faculty-retired-staff-member-during-convocation-ceremony>
- In August, 2016, NMSU covered the awards given out at the fall convocation, of which I was a recipient (for Early Career Exceptional Achievement in Scholarly Activity). Link to the online story: <https://newscenter.nmsu.edu/Articles/view/12076/nmsu-convocation-honors-eight-faculty-members-for-excellence-in-teaching-research>
- In August, 2016, I was featured in an interview after being selected to be part of the NMSU College of Art's and Sciences *Writing to Learn* program. Link to the online video: [https://www.youtube.com/watch?v=LOvc\\_o6Isks&feature=youtu.be](https://www.youtube.com/watch?v=LOvc_o6Isks&feature=youtu.be)
- In June, 2016, our article was published in a special issue of *Psychonomic Bulletin & Review*, called "Arguments about the nature of concepts: Symbols, embodiment, and beyond." The issue was covered in a blog post for the Psychonomic Society by Dr. Stephan Lewandowsky. The full article can be found at: <http://www.psychonomic.org/featured-content-detail/symbodiment-god-may-really-be-up-there-perhaps-you>
- In January, 2016, our work was again featured in the *Las Cruces Sun News*. Discussed was our work on collaborative visual search, and our budding work on expertise and eye-movements. Link to the online story: <http://www.lcsun-news.com/story/news/education/nmsu/2016/01/03/research-shows-some-jobs-better-done-alone/78230552/>. Also at *Science Daily*: <http://www.sciencedaily.com/releases/2016/01/160105102332.htm>
- In December, 2015, our work was featured in an "Eye on research" video, produced by New Mexico State University, and shared on Youtube. The video discusses some of our research, and gives an introduction to eye-tracking technology. Link to the online video: <https://www.youtube.com/watch?v=0KJDR AadHNg>.
- On December 17<sup>th</sup>, 2015, our work was featured in a Psychonomic Society blog post by Dr. Melissa Le-Hao Vo. Melissa discussed our recent article in *Attention, Perception, & Psychophysics* entitled, "Using multidimensional scaling to quantify similarity in visual search and beyond." The full article can be found at <http://www.psychonomic.org/featured-content-detail/telling-apart-santas-stockings-sneaky-waldos-ho-ho>.
- In October, 2015, the work I have been doing with Garrett Bennett as part of the Discovery Scholars program was featured in the *Las Cruces Sun News*. Link to online story: <http://www.lcsun-news.com/story/news/education/nmsu/2015/10/31/program-fosters-undergraduates-achievement/74950956/>
- Arryn Robbins and I were interviewed by the media relations department at NMSU for our recent article in *Scientific American MIND* magazine, entitled "Look into my eyes." January 29<sup>th</sup>, 2015.
- Our recent *PLoS One* article (*The perception of naturalness correlates with low-level visual features of environmental scenes*) was discussed in an article by CityLab (from *The Atlantic* magazine), written by Laura Bliss. Appeared January 5<sup>th</sup>, 2015. Link to the online story: <http://www.citylab.com/design/2015/01/what-makes-nature-look-natural/384202/>
- I conducted a radio interview with station KGRT, "Let's Talk, Las Cruces" (Las Cruces, NM; May 2<sup>nd</sup>, 2014).

- Our lab's research was discussed in "Study Looks at How Motorists Pay Attention to School Buses" by Ryan Gray. Appears in the March 28<sup>th</sup>, 2014 news report by *School Transportation News*. Link to online story: <http://www.stnonline.com/home/latest-news/5988-study-looks-at-how-motorists-pay-attention-to-school-buses>

## Citations and Impact

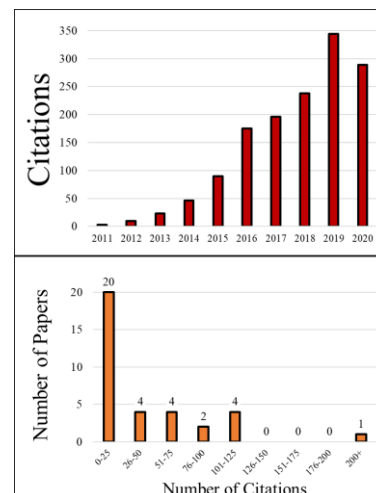
Citations: 1427; h-index: 18; i10-Index: 22. (Updated: August, 2020)

- Source: <http://scholar.google.com/citations?user=RzltjfkAAAAJ&hl=en>

## Paper Presentations

-- Supervised graduate student authors are denoted by asterisks (\*); supervised undergraduate student authors are denoted by daggers (†)

1. Godwin, H. J., Butnaru, A., & **Hout, M. C.** (2019). Using the abacus task to study overestimation of accuracy in eye movements. *Paper presented at the Experimental Psychology Society Summer meeting, Bournemouth, UK. (July, 2019).*
2. Robbins, A., & **Hout, M. C.** (2019). Scene context facilitates search for heterogeneous categories. *Paper presented at the 91<sup>st</sup> Annual Midwestern Psychological Association conference: Chicago, IL. (April, 2019).*
3. **Hout, M. C.**, †Green, E., Guevara Pinto, J., & Papesh, M. H. (2018). Challenging visual search creates better incidental memories for objects and their features. *Paper presented at the 2018 Rocky Mountain Psychological Association conference: Denver, CO (April, 2018).*
4. \*Robbins, A., & **Hout, M. C.** (2018). Scene context can facilitate search for imprecisely specified targets. *Paper presented at the 2018 Rocky Mountain Psychological Association conference: Denver, CO (April, 2018).*
5. Kulpa, J., **Hout, M. C.**, & Simon, D. A. (2018). Evaluating SpAM and multi-trial spatial arrangement methods of estimating subjective similarity. *Paper presented at the 2018 Rocky Mountain Psychological Association conference: Denver, CO (April, 2018).*
6. **Hout, M. C.** (2018). Using virtual reality technology to hone the skills of professional baseball umpires. *Three "breakout sessions" presented at the Major League Baseball Annual Umpire Meetings; Scottsdale, Arizona (January, 2018).*
7. \*Scarince, C., & **Hout, M. C.** (2017). How to find the green ketchup bottle: How non-defining features impact visual search. *Paper presented at the 25<sup>th</sup> annual Object Perception, Attention and Memory conference: Vancouver, CA (November, 2017).*
8. Walenchok, S. C., Goldinger, S. D., & **Hout, M. C.** (2017). Your attention seeks confirmation: Visual confirmation bias overshadows prevalence effects in visual attention. *Paper presented at the 19<sup>th</sup> European Conference on Eye Movements; Wuppertal, Germany (August, 2017).*
9. Walenchok, S. C., Goldinger, S. D., & **Hout, M. C.** (2017). Examining confirmatory strategies in visual search: Prevalence learning counteracts confirmation bias. *Paper presented at the Southwestern Psychological Association meeting; San Antonio, TX (March, 2017).*
10. Godwin, H. J., Fitzsimmons, G., Weal, M., Liversedge, S. P., Menneer, T., & **Hout, M. C.** (2016). Knowing when to quit searching for information. *Paper presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society in Boston, Massachusetts (November, 2016).*
11. Walenchok, S. C., Houpt, J. W., Godwin, H. J., **Hout, M. C.**, & Goldinger, S. D. (2016). Is this object "yellow" or is this object "Not yellow": Disconfirmatory strategies influence object identification during visual search. *Paper presented at the 24<sup>th</sup> annual Object Perception, Attention and Memory conference: Boston, MA (November, 2016).*
12. **Hout, M. C.**, †Lopez, A., \*Robbins, A., & Papesh, M. H. (2016). Expertise fine-tunes mental representations of targets during challenging visual search. *Paper presented to the 2016 ARMADILLO Cognition Conference: El Paso, TX (September, 2016).*
13. **Hout, M. C.**, and \*Robbins, A. (2016). Individual differences in the perception of category typicality predict the usefulness of target templates during word-cued search. *Micro-talk presented at the Individual Differences Brownbag, a satellite event at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016).*
14. \*Scarince, C., & **Hout, M. C.** (2016). Coping with a MAD World: Visual search strategies in dynamic environments. *Paper presented at the 2016 Rocky Mountain Psychological Association conference: Denver, CO (March, 2016).*
15. Guevara Pinto, J., Papesh, M. H., & **Hout, M. C.** (2016). RSVP search: Typicality effects in an atypical visual search task. *Paper presented at the 2016 Southeastern Psychological Association meeting in New Orleans, LA (March, 2016).*



16. \*Robbins, A., & **Hout, M. C.** (2015). Categorical templates: Typical category members are found and identified quickly during word-cued search. *Paper presented at the 23<sup>rd</sup> annual Object Perception, Attention and Memory conference: Chicago, IL (November, 2015).*  
Also presented at the New Mexico State University, *Graduate Research and Arts Symposium* (April, 2016).
17. **Hout, M. C.**, Walenchok, S. C., Goldinger, S. D., & Wolfe, J. M. (2014). The low-prevalence effect is due to failures of attention, not premature search termination or motor errors: Evidence from passive search and eye-movements. *Paper presented at the Vision Sciences Society 2014 Meeting in St. Petersburg, FL (May, 2014).*  
**Also at:** *Journal of Vision*, 14, 221. doi: 10.1167/14.10.221.
18. Walenchok, S. C., **Hout, M. C.**, & Goldinger, S. D. (2013). What does that picture sound like to you?: Oculomotor evidence for phonological competition in visual search. *Paper presented at the 21<sup>st</sup> annual Object Perception, Attention and Memory conference: Toronto, Canada (November, 2013).*
19. **Hout, M. C.**, & Goldinger, S. D. (2013). Tortoise or hare? Picture-derived target “templates” quicken search but are prone to decay. Word-derived templates slow search but are stable over time. *Paper presented at the Vision Sciences Society 2013 Meeting in Naples, FL (May, 2013).*  
**Also at:** *Journal of Vision*, 13, 1251. doi: 10.1167/13.9.1251.
20. **Hout, M. C.**, & Goldinger, S. D. (2011). Multiple-target search increases workload but enhances incidental learning: A computational modeling approach to a memory paradox. *Paper presented at the 19<sup>th</sup> Annual Object Perception, Attention, & Memory Conference in Seattle, Washington (November, 2011).*
21. **Hout, M. C.**, & Goldinger, S. D. (2011). Incidental learning speeds visual search by lowering response thresholds, not by improving efficiency. *Paper presented at the 16<sup>th</sup> European Conference on Eye Movements in Marseilles, France (August, 2011).*
22. Papesh, M. H., **Hout, M. C.**, & Goldinger, S. D. (2010). Eye movements and pupil dilations reveal fast, voice-specific priming. *Paper presented at the 51<sup>st</sup> Annual Meeting of the Psychonomic Society in St. Louis, Missouri (November, 2010; read by Stephen Goldinger).*
23. **Hout, M. C.**, & Goldinger, S. D. (2009). Eye movements in repeated visual search for complex images. *Paper presented at the Western Psychological Association 89<sup>th</sup> Annual Convention in Portland, Oregon (April, 2009).*

## Poster Presentations

-- Supervised graduate student authors are denoted by asterisks (\*); supervised undergraduate student authors are denoted by daggers (†)

1. Zsidó, A. N., Stecina, D. T., Cseh, R., & **Hout, M. C.** (2021). The effects of task-irrelevant threatening stimuli on orienting- and executive attentional processes under cognitive load. *Poster presented at the Experimental Psychology Society meeting. London, UK. (January, 2021).*
2. \*Madrid, J., \*White, B., Godwin, H. J., Scarince, C., & **Hout, M. C.** (2020). Some assembly required: Examining strategy use during multi-modal search for Lego bricks. *Poster presented (virtually) at the 61<sup>st</sup> Annual Meeting of the Psychonomic Society (November, 2020).*
3. Richie, D. R., \*White, B., Bhatia, S., & **Hout, M. C.** (2020). The spatial arrangement method of measuring similarity can capture high-dimensional, semantic structures. *Poster presented at the 42<sup>nd</sup> Annual Meeting of the Cognitive Science Society in Toronto, Canada (July, 2020).*
4. Powell, P., †Phi, K., Masadeh, S., †Ayavar, J., \*Skulsky, R., \*White, B., Del Sordo, G., Aiken, C., **Hout, M. C.**, & Post, P. (2020). Investigating the ability of “virtual vacations” to alleviate pain and discomfort. *Poster presented at the New Mexico State University, Undergraduate Research and Creative Arts Symposium (April, 2020).*
5. †Cazares Rodriguez, M., \*Penn, R., & **Hout, M. C.** (2020). MeSS Database: Creating a database of systematic stimuli in messy real-world scenarios. *Poster presented at the New Mexico State University, Undergraduate Research and Creative Arts Symposium (April, 2020).*
6. Henning, D., \*Sabic, E., Berg, M., & **Hout, M. C.** (2020). Examining the distracting effects of languages with varying phonological similarity. *Poster presented at the 2020 Rocky Mountain Psychological Association conference: Denver, CO (April, 2020).*
7. \*Madrid, J., & **Hout, M. C.** (2019). Open the window: Passive search strategies lead to broader attentional distribution during single target and hybrid visual search. *Poster presented at the 27<sup>th</sup> annual Object Perception, Attention and Memory conference: Montreal, Canada (November, 2019).*
8. \*White, B. L., Godwin, H. J., \*Madrid, J., Scarince, C., & **Hout, M. C.** (2019). Every search is awesome!: A pilot study using Lego to examine three-dimensional visual search. *Poster presented at the 27<sup>th</sup> annual Object Perception, Attention and Memory conference: Montreal, Canada (November, 2019).*

9. Guevara Pinto, J., Papesh, M. H., & **Hout, M. C.** (2019). The details are in the difficulty: Incidental recognition of objects' perceptual details following visual search. *Poster presented at the 60<sup>th</sup> Annual Meeting of the Psychonomic Society in Montreal, Canada (November, 2019).*
10. Richie, D. R., \*White, B., Bhatia, S., & **Hout, M. C.** (2019). The spatial arrangement method of collecting similarity ratings can capture higher dimensional, conceptual similarity structures. *Poster presented at the 60<sup>th</sup> Annual Meeting of the Psychonomic Society in Montreal, Canada (November, 2019).*
11. Richie, D. R., \*White, B., **Hout, M. C.**, & Bhatia, S. (2019). Modeling fine-grained word similarity with embeddings from language corpora, free association, and feature norms. *Poster presented at the 60<sup>th</sup> Annual Meeting of the Psychonomic Society in Montreal, Canada (November, 2019).*
12. †Mcpheerson, R., \*Sandin, H., \*Sabic, E., & **Hout, M. C.** (2019). Creation of a large, open-access database of complex visual scenes for use in experimental psychology. *Poster presented at the New Mexico State University, Undergraduate Research and Creative Arts Symposium (April, 2019).*
13. †Phi, K., \*Penn, R., Masadeh, S., Post, P., & **Hout, M. C.** (2019). Simulating an open terrain visual search environment in three-dimensional virtual reality. *Poster presented at the New Mexico State University, Undergraduate Research and Creative Arts Symposium (April, 2019).*
14. Robbins, A., MacDonald, J., Ercolino, A., Schmidt, J., \*Sabic, E., & **Hout, M.C.** (2019). The Pictures by Category and Similarity (PICS) Database: A database of 1200 pictures from 20 object categories rated for similarity using multidimensional scaling. *Poster presented at the 31<sup>st</sup> Annual Association for Psychological Science Convention in Washington D.C. (May, 2019).*
15. Robbins, A., Scherer, K., \*Sabic, E., MacDonald, J., Ercolino, A., Schmidt, J., & **Hout, M. C.** (2019). Using multidimensional scaling to quantify category heterogeneity effects in visual search. *Poster presented at the Vision Sciences Society 2019 Meeting in St. Petersburg, FL (May, 2019).*
16. \*Morrow, A. M., Amiotte, A., **Hout, M. C.**, & MacDonald, J. (2018). The effect of transcranial direct current stimulation (tDCS) on audition. *Poster presented at the 2018 New Mexico Academy of Science Research Symposium: Albuquerque, NM (October, 2018).*
17. \*Madrid, J., \*Penn, R., \*White, B., †Torres, A., & **Hout, M. C.** (2018). It's all a blur: Partial visual information triggers logarithmic decision making during object recognition. *Poster presented at the 26<sup>th</sup> annual Object Perception, Attention and Memory conference: New Orleans, LA (November, 2018).*
18. \*Penn, R., & **Hout, M. C.** (2018). Getting a clue: Visual search in open terrain environments. *Poster presented at the 26<sup>th</sup> annual Object Perception, Attention and Memory conference: New Orleans, LA (November, 2018).*
19. \*Madrid, J., & **Hout, M. C.** (2018). Looking for the one: Passive strategies improve guidance and object recognition in single-target search. *Poster presented at the 59<sup>th</sup> Annual Meeting of the Psychonomic Society in New Orleans, Louisiana (November, 2018).*
20. \*Scarince, C., & **Hout, M. C.** (2018). An update to the Guided Search model using multi-dimensional scaling to capture the features of complex, real-world objects. *Poster presented at the 59<sup>th</sup> Annual Meeting of the Psychonomic Society in New Orleans, Louisiana (November, 2018).*
21. Post, P. G., Aiken, C. A., **Hout, M. C.**, & \*Madrid, J. (2018). Learner-controlled pace of practice in isolation does not yield the self-control effect. *Poster presented at the 2018 North American Society for the Psychology of Sport and Physical Activity meeting in Denver, CO (June, 2018).*
22. Aiken, C. A., Post, P. G., **Hout, M. C.**, & \*Madrid, J. (2018). Learner-controlled amount of practice with fixed inter-trial interval benefits learning. *Poster presented at the 2018 North American Society for the Psychology of Sport and Physical Activity meeting in Denver, CO (June, 2018).*
23. Kulpa, J., **Hout, M. C.**, & Simon, D. A. (2018). Evaluating SpAM and multi-trial spatial arrangement methods of estimating subjective similarity. *Poster presented at the 30<sup>th</sup> Annual Convention of the Association for Psychological Science in San Francisco, CA (May, 2018).*
24. \*Robbins, A., & **Hout, M. C.** (2018). Scene context influences expectations about imprecisely specified search targets. *Poster presented at the Vision Sciences Society 2018 Meeting in St. Petersburg, FL (May, 2018).*
25. Guevara Pinto, J. D., Papesh, M. H., Goldinger, S. D., & **Hout, M. C.** (2018). Enhanced distractor memory following difficult search: The role of attention allocation in incidental encoding. *Poster presented at the Vision Sciences Society 2018 Meeting in St. Petersburg, FL (May, 2018).*
26. †Green, E., **Hout, M. C.**, Guevara Pinto, J., & Papesh, M. H. (2018). Challenging visual search creates better incidental memories for objects and their features. *Poster presented at the 2018 Undergraduate Research and Creative Arts Symposium (URCAS) in Las Cruces, NM (April, 2018).*
27. \*Madrid, J., & **Hout, M. C.** (2017). Use the force: Passive strategies in hybrid visual search impact eye-movements and improve search efficiency. *Poster presented at the 58<sup>th</sup> Annual Meeting of the Psychonomic Society in Vancouver, Canada (November, 2017).*

28. †DesGeorges, J., & **Hout, M. C.** (2017). Is the internet really a crutch?: An utter failure (and new attempts) to replicate the Google Effect. *Poster presented at the 25<sup>th</sup> annual Object Perception, Attention and Memory conference: Vancouver, CA (November, 2017).*
29. Fassenko, G., Castro, C., **Hout, M. C.**, & Wilson, C. (2017). Are dog owners able to correctly identify primary and secondary emotions in their canine companions based on dog vocalization and body language? *Poster presented at the International Society for Anthrozoology meeting in Irvine, Ca (June, 2017).*  
Also presented as a talk by Christabel Castro to the *Graduate Research and Arts Symposium (GRAS), at New Mexico State University (April, 2017).*
30. †DesGeorges, J., & **Hout, M. C.** (2017). Help me Google?: A complete failure to replicate a prominent *Science* article. *Poster presented at the New Mexico State University, College of Arts and Sciences Undergraduate Research and Creative Arts Symposium (April, 2017).*
31. Chen, F. M., Walenchok, S. C., Goldinger, S. D., & **Hout, M. C.** (2017). Examining confirmation bias in visual search. *Poster presented at the Arizona Psychology Undergraduate Research Conference (February, 2017).*
32. **Hout, M. C.**, †Lopez, A., \*Robbins, A., & Papesch, M. H. (2016). Expertise fine-tunes mental representations of targets during challenging visual search. *Poster presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society in Boston, Massachusetts (November, 2016).*
33. \*Robbins, A., Cunningham, C. A., MacDonald, J., & **Hout, M. C.** (2016). Strength in numbers: Testing the fidelity of multidimensional scaling for large datasets. *Poster presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society in Boston, Massachusetts (November, 2016).*  
Also presented at the *2016 ARMADILLO Cognition Conference: El Paso, TX (September, 2016).*  
Also presented as a talk by Arryn Robbins to the *Graduate Research and Arts Symposium (GRAS), at New Mexico State University (April, 2017).*
34. Walenchok, S. C., Goldinger, S. D., & **Hout, M. C.** (2016). The low-prevalence effect counteracts confirmatory bias in visual search. *Poster presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society in Boston, Massachusetts (November, 2016).*  
Also presented at the *2016 ARMADILLO Cognition Conference: El Paso, TX (September, 2016).*
35. \*Scarince, C., & **Hout, M. C.** (2016). Finding the green ketchup bottle: Investigating how non-essential features sometimes aid in search. *Poster presented at the 24<sup>th</sup> annual Object Perception, Attention and Memory conference: Boston, MA (November, 2016).*  
Also presented as a talk by Collin Scarince to the *Graduate Research and Arts Symposium (GRAS), at New Mexico State University (April, 2017).*
36. \*Madrid, J., Godwin, H. J., Cunningham, C. A., \*Robbins, A., & **Hout, M. C.** (2016). All targets are not created equal: Some targets are often missed in hybrid visual search tasks. *Poster presented at the 24<sup>th</sup> annual Object Perception, Attention and Memory conference: Boston, MA (November, 2016).*  
Also presented at the *2016 ARMADILLO Cognition Conference: El Paso, TX (September, 2016).*
37. †Lopez, A., \*Robbins, A., Godwin, H. J., & **Hout, M. C.** (2016). Working with a partner may help protect against frequency effects in difficult visual search. *Poster presented at the 24<sup>th</sup> annual Object Perception, Attention and Memory conference: Boston, MA (November, 2016).*  
Also presented at the *2016 ARMADILLO Cognition Conference: El Paso, TX (September, 2016).*
38. \*Scarince, C., & **Hout, M. C.** (2016). I beat the odds, right?: The effects of expectancy on gambling memory. *Poster presented at the 2016 ARMADILLO Cognition Conference: El Paso, TX (September, 2016).*
39. **Hout, M. C.**, Maxfield, J., \*Robbins, A., & Zelinsky, G. (2016). Object categorization performance modeled using multidimensional scaling and category-consistent features. *Poster presented at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016).*  
Also at: *Journal of Vision, 2016, 16, 250, doi: 10.1167/16.12.250.*
40. \*Melia, C., & **Hout, M. C.** (2016). Perceptual challenges for inverted icons: The Face Inversion Effect does not extend to complex objects. *Poster presented at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016).*  
Also at: *Journal of Vision, 2016, 16, 78, doi: 10.1167/16.12.78.*
41. \*Scarince, C., & **Hout, M. C.** (2016). Investigating dynamic feature prevalence and quitting thresholds in Multi-element Asynchronous Dynamic (MAD) search. *Poster presented at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016).*  
Also at: *Journal of Vision, 2016, 16, 1292, doi: 10.1167/16.12.1292.*
42. †Lopez, A., †Bennett, G., \*Robbins, A., Godwin, H. J., & **Hout, M. C.** (2016). Find one fast, or find them all slow: Do collaborative visual searchers search more quickly or more thoroughly? *Poster presented at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016).*

- Also presented at the *New Mexico State University, College of Arts and Sciences Undergraduate Research and Creative Arts Symposium* (April, 2016).
- Also at: *Journal of Vision*, 2016, 16, 1001, doi: 10.1167/16.12.1001.
43. †Sabik, M., \*Scarince, M., Papesch, M. H., Godwin, H. J., Goldinger, S. D., & **Hout, M. C.** (2016). Rare targets induce less “perceptual readiness:” Evidence from pupillometry. *Poster presented at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016)*.
- Also presented at the *New Mexico State University, College of Arts and Sciences Undergraduate Research and Creative Arts Symposium* (April, 2016).
- Also at: *Journal of Vision*, 2016, 16, 1162, doi: 10.1167/16.12.1162.
44. \*Madrid, J., Cunningham, C. A., \*Robbins, A., Godwin, H. J., Wolfe, J. M., & **Hout, M. C.** (2016). Exploring the nature of mental representations in hybrid visual and memory search. *Poster presented at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016)*.
- Also presented at the *New Mexico State University, Graduate Research and Arts Symposium* (April, 2016).
- Also at: *Journal of Vision*, 2016, 16, 341, doi: 10.1167/16.12.341.
45. Walenchok, S. C., Goldinger, S. D., & **Hout, M. C.** (2016). Examining confirmatory strategies in visual search: People are more flexible than you think. *Poster presented at the Vision Sciences Society 2016 Meeting in St. Petersburg, FL (May, 2016)*.
- Also at: *Journal of Vision*, 2016, 16, 989, doi: 10.1167/16.12.989.
46. \*Robbins, A., **Hout, M. C.**, Fitzsimmons, G., Menneer, T., & Godwin, H. J. (2015). Going beyond the ‘visual’ in visual search: Semantic search for related words. *Poster presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society in Chicago, Illinois (November, 2015)*.
47. Walenchok, S. C., Godwin, H. J., Houpt, J. W., **Hout, M. C.**, & Goldinger, S. D. (2015). Greater than parallel: Distinguishing features can be combined for efficient object identification in dual-target search. *Poster presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society in Chicago, Illinois (November, 2015)*.
48. †Lopez, A., †Bennett, G., \*Robbins, A., Godwin, H. J., & **Hout, M. C.** (2015). Four eyes aren’t always better than two: Collaborative categorical multiple-target hybrid search. *Poster presented at the 23<sup>rd</sup> annual Object Perception, Attention and Memory conference: Chicago, IL (November, 2015)*.
49. \*Scarince, C., & **Hout, M. C.** (2015). Cutting through the MADness: Investigating visual search efficiency in dynamic displays. *Poster presented at the 23<sup>rd</sup> annual Object Perception, Attention and Memory conference: Chicago, IL (November, 2015)*.
- Also presented at the *New Mexico State University, Graduate Research and Arts Symposium* (April, 2016).
50. \*Madrid, J., Cunningham, C., \*Robbins, A., & **Hout, M. C.** (2015). Don’t label me!: Search for familiar, nameable objects vs. search for unfamiliar, novel objects. *Poster presented at the 23<sup>rd</sup> annual Object Perception, Attention and Memory conference: Chicago, IL (November, 2015)*.
51. **Hout, M. C.**, Godwin, H. J., Walenchok, S., Houpt, J. W., & Goldinger, S. D. (2015). Faster than the speed of rejection: Object identification processes during visual search for multiple targets. *Poster presented at the Vision Sciences Society 2015 Meeting in St. Petersburg, FL (May, 2015)*.
- Also at *Journal of Vision*. 2015; 15, 241. doi: 10.1167/15.12.241.
52. \*Robbins, A., **Hout, M. C.**, Godwin, H. J., & Fitzsimmons, G. (2015). Quiet eyes: Stress, worry, and anxiety fail to influence fixational stability, accuracy, or movement frequency. *Poster presented at the Vision Sciences Society 2015 Meeting in St. Petersburg, FL (May, 2015)*.
- Also at *Journal of Vision*. 2015; 15, 1273. doi: 10.1167/15.12.1273.
53. \*Madrid, J., \*Robbins, A., & **Hout, M. C.** (2015). Drop the beat and miss T2: How various dimensions of music influence attentional failures. *Poster presented at the Vision Sciences Society 2015 Meeting in St. Petersburg, FL (May, 2015)*.
- Also at *Journal of Vision*. 2015; 15, 438. doi: 10.1167/15.12.438.
54. Walenchok, S. C., **Hout, M. C.**, & Goldinger, S. D. (2015). Phonological interference in visual search: Object names are automatically activated in non-linguistic tasks. *Poster presented at the Vision Sciences Society 2015 Meeting in St. Petersburg, FL (May, 2015)*.
- Also at *Journal of Vision*. 2015; 15, 65. doi: 10.1167/15.12.65.
55. \*Scarince, C., & **Hout, M. C.** (2015). I Won (As Far As I Can Remember)! Broad Implications of the Incongruity Effect. *Poster presented at the 16th Annual Meeting of the Society of Personality and Social Psychology: Long Beach, CA (February, 2015)*.
56. **Hout, M. C.**, Godwin, H. J., Fitzsimmons, G., \*Robbins, A., & Menneer, T. (2014). Semantic and visual similarity guide visual search for words and number. *Poster presented at the 55<sup>th</sup> Annual Meeting of the Psychonomic Society in Long Beach, California (November, 2014)*.

57. Walenchok, S. C., **Hout, M. C.**, & Goldinger, S. D. (2014). Beanie and the Beast: Articulatory suppression fails to inhibit covert object-naming during visual search. *Poster presented at the 22<sup>nd</sup> annual Object Perception, Attention and Memory conference: Long Beach, CA (November, 2014).*
58. Ratiu, I., **Hout, M. C.**, Walenchok, S. C., Azuma, T., & Goldinger, S. D. (2014). The bilingual switching advantage investigated using a visual search task. *Poster presented at the 22<sup>nd</sup> annual Object Perception, Attention and Memory conference: Long Beach, CA (November, 2014).*
59. \*Robbins, A., **Hout, M. C.**, Godwin, H. J., Fitzsimmons, G., & \*Scarince, C. (2014). Where's Volvo: Visual search for automobiles and why attention is prioritized to school buses. *Poster presented at the 22<sup>nd</sup> annual Object Perception, Attention and Memory conference: Long Beach, CA (November, 2014).*
60. \*Scarince, C., & **Hout, M. C.** (2014). Investigating the effects of depth perception on the evaluative conditioning of abstract objects. *Poster presented at the 22<sup>nd</sup> annual Object Perception, Attention and Memory conference: Long Beach, CA (November, 2014).*
61. Walenchok, S. C., **Hout, M. C.**, & Goldinger, S. D. (2014). Categorical contextual cueing in visual search. *Poster presented at the Vision Sciences Society 2014 Meeting in St. Petersburg, FL (May, 2014).*  
Also at: *Journal of Vision*, 14, 1074. doi: 10.1167/14.10.1074.
62. Menneer, T., Godwin, H., & **Hout, M. C.** (2014). Visual similarity is stronger than semantic similarity in guiding visual search for numbers. *Poster presented at the Vision Sciences Society 2014 Meeting in St. Petersburg, FL (May, 2014).*  
Also at: *Journal of Vision*, 14, 1201. doi: 10.1167/14.10.1201.
63. **Hout, M. C.**, Papesch, M. H., & Goldinger, S. D. (2013). Pupil size reveals template construction and target detection in RSVP search. *Poster presented at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society in Toronto, Canada (November, 2013).*
64. Ratiu, I., **Hout, M. C.**, Azuma, T., & Goldinger, S. D. (2013). The bilingual advantage investigated using visual search. *Poster presented at the 21<sup>st</sup> annual Object Perception, Attention and Memory conference: Toronto, Canada (November, 2013).*
65. Walenchok, S., **Hout, M. C.**, & Goldinger, S. D. (2013). Is an image worth a phonological representation? Investigating the effect of target-distractor phonological similarity in multiple-target search. *Poster presented at the Vision Sciences Society 2013 Meeting in Naples, FL (May, 2013).*  
Also at: *Journal of Vision*, 13, 687. doi: 10.1167/13.9.687.
66. **Hout, M. C.**, & Goldinger, S. D. (2012). Small perceptual differences cause big problems when they make your “target template” imprecise. *Poster presented at the 20th annual Object Perception, Attention and Memory conference: Minneapolis, Minnesota (November, 2012).*
67. **Hout, M. C.**, Papesch, M. H., & Goldinger, S. D. (2012). RSVPpupillometry: Incidental memory and psychophysiology in rapid-serial multiple-target search. *Poster presented at the Vision Sciences Society 2012 Meeting in Naples, Florida (May, 2012).*  
Also at: *Journal of Vision*, 12, 1151. doi: 10.1167/12.9.1151.
68. **Hout, M. C.**, Ferguson, R. W., Homa, D., & Goldinger, S. D. (2009). Testing a fast, efficient method for multidimensional scaling. *Poster presented at the 50<sup>th</sup> Annual Meeting of the Psychonomic Society in Boston, Massachusetts (November, 2009).*
69. **Hout, M. C.**, & Goldinger, S. D. (2009). Eye movements in repeated visual search. *Poster presented at the European Society for Cognitive Psychology, in Krakow, Poland (September, 2009).*
70. **Hout, M. C.**, & Goldinger, S. D. (2008). Repeated visual search: The contributions of object identity, spatial information, and working memory load. *Poster presented at the Western Psychological Association 88<sup>th</sup> Annual Convention in Irvine, California (April, 2008).*

## Professional Service (academic service)

- Professional Affiliations:
  - Cognitive Science Society member (2020 – present)
  - Psychonomic Society Fellow (2016 – present)
  - Psychonomic Society Associate Member (2013 - 2016)
  - Vision Sciences Society member (2011 – 2017)
  - Association for Psychological Science member (2014 – 2016)
  - Western Psychological Association member (2007 – 2009)

- Article guest editor:
  - SAGE Open (peer-reviewed, open access); June, 2014

Journal reviewer (as needed; typically 4-6 papers per month):

- Acta Psychologica
- Attention, Perception & Psychophysics
- Behavior Research Methods
- Brain and Language
- Canadian Journal of Experimental Psychology
- Cognition
- Cognitive Research: Practices and Implications
- Collabra
- Computing in Science and Engineering
- Current Opinion in Psychology
- European Journal of Personality
- Human Factors
- International Journal of Distributed Sensor Networks
- International Journal of Psychophysiology
- Journal of Applied Research in Memory and Cognition
- Journal of Cognitive Enhancement
- Journal of Defense Modelling and Simulation
- Journal of Experimental Psychology: Applied
- Journal of Experimental Psychology: General
- Journal of Experimental Psychology: Human Perception & Performance
- Journal of Experimental Psychology: Learning, Memory, & Cognition
- Journal of Experimental Social Psychology
- Journal of General Psychology
- Journal of Neurophysiology
- Journal of Personality and Social Psychology: Personality Processes and Individual Differences
- Journal of Vision
- Memory & Cognition
- Multivariate Behavioral Research
- Neuroimage
- Peer J
- Perception
- PLOS One
- Psychological Methods
- Psychological Research
- Psychonomic Bulletin & Review
- Quarterly Journal of Experimental Psychology
- Social Psychological and Personality Science
- Vision
- Vision Research
- Visual Cognition

- Conference submission reviewer:
  - Psychonomic Society: J. Frank Yates Travel Award Reviewer (2019).
  - Psychonomic Society: Review Committee (2018).
  - Rocky Mountain Psychological Association meeting 2018.
  - CogSci 2018: The annual meeting of the Cognitive Science Society.
  - CogSci 2017: The annual meeting of the Cognitive Science Society.
  - CogSci 2016: The annual meeting of the Cognitive Science Society.
  - CogSci 2015: The annual meeting of the Cognitive Science Society.
- Grant reviewer or panelist:
  - National Science Foundation (NSF) reviewer; 2020.
  - National Science Foundation (NSF) panelist; 2019.
  - American Psychology-Law Society (AP-LS) Early Career Professional Grant In-Aid; 2017 (reviewer).
  - National Science Foundation (NSF) panelist; 2017.
  - US Army Research Office, Neurophysiology of Cognition division; 2016 (reviewer).
  - US Army Research Office, Neurophysiology and Cognitive Neuroscience division; 2014 (reviewer).
- Textbook Advisory Board:
  - Pearson Publishers (Fall 2016 – present).
- Textbook / Resource Evaluator:
  - *Sensation & Perception 5<sup>th</sup> Edition* by Wolfe et al., Oxford University Press (Spring, 2018).
  - *Cognitive Psychology* by Ball, Butler, Sherman, and St Clair-Thompson, Palgrave Publishers (Fall, 2017).
  - *Think Psychology 2019* program by Pearson Publishers (Spring, 2017).
  - *Cognitive Psychology: Connecting Mind, Research, and Everyday Experience (5<sup>th</sup> Edition)* by Bruce Goldstein, Cengage Publishers (Fall 2016).
  - *Social Research Methods: A Student's Life* by Wendy Heath, Cambridge University Press (Summer 2016; Fall 2016).
  - Cognitive Tool Kit (online Cognitive Psychology experiments), Worth Publishers (Spring, 2014).



- Textbook / Resource Creator:
  - Online material creation for E. Bruce Goldstein’s “Cognitive Psychology 5<sup>th</sup> Edition.” Cengage learning (Summer 2016 – Fall 2017).
  - Online material creation for E. Bruce Goldstein’s “Sensation and Perception, 10<sup>th</sup> Edition.” Cengage Learning (Summer 2015 – Fall 2016).
- Professional volunteer work:
  - Hosted Ciudad Nueva Community Outreach group at the *Addison Care Virtual and Augmented Reality Laboratory* (January, 2020).
  - Volunteer panelist for NMSU College of Arts and Sciences “Up Late at State” movie event (September, 2019).
  - Volunteer moderator for *2018 Rocky Mountain Psychological Association Meeting* (April 2018).
  - Volunteer presenter at *Object Perception, Attention, and Memory Meeting’s “Networking Breakfast.”* (November, 2017).
  - Volunteer assistant to Asombro Institute for Science Education presentations to Vista Middle School (Las Cruces, NM; December 2015).
  - Volunteer presenter at El Paso Community College’s Psychology Career day (April 2015).
  - Volunteer presenter for the NMSU chapter of Psi Chi (March 2015).
  - Vision Sciences Society Conference, Illusion Contest volunteer (May 2014).
  - Volunteer presenter at El Paso Community College’s Psychology Career Day (April 2014).
  - Session chair at the 2014 Graduate Student Research & Arts Symposium (GRAS; March 2014).

### Professional Service (departmental and university service)

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- Departmental Service:
  - Member of the Graduate Studies Committee (NMSU; Fall 2013 – Summer 2015; Fall 2018 - present).
  - Member of the Faculty Search Committee (NMSU; Fall 2016 – Spring 2017).
  - Member of the Undergraduate Studies Committee (NMSU; Fall 2015 – Spring 2018).
  - Member of the Faculty Search Committee (NMSU; Fall 2015 – Spring 2016).
  - Member of the Graduate Quantitative Psychology Committee (NMSU; Fall 2013 – present).
- University Service:
  - Panelist, NMSU Graduate Research and Arts Symposium (New Mexico State University; Spring 2019).
  - Faculty Volunteer, New Mexico State University Spring 2018 Commencement Ceremony.
  - Member of the College of Arts and Sciences Award Committee (New Mexico State University, Fall 2017 – Spring 2020).
  - Discovery Scholars Program, Associate Director (New Mexico State University, Fall 2016 – present).
  - Honors College International Scholarship, member of selection panel (New Mexico State University, Spring 2017).
  - Research presentation judge, NMSU Alliance for Minority Participation (AMP) Undergraduate Student Research Conference. (New Mexico State University, October 2016).
  - Member of the College of Arts and Sciences Award Committee (New Mexico State University, Fall 2015 – Summer 2017).
  - Faculty Marshall, New Mexico State University Fall 2015 Commencement Ceremony.
- Faculty Advisor to Student Organizations:
  - Psi Chi (the National Undergraduate Honor’s Society in Psychology) NMSU chapter. (Spring 2015 – Fall 2018)
  - Organization for Skepticism and Scientific Literacy. (Fall 2016 – Spring 2017)

### Professional Service (students supervised and committee membership)

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Doctoral Students Supervised (co-supervised students are denoted by asterisks \*):

- Rebecca Penn (Spring 2019 – present; Psychology)
- Dre Good (Fall 2018 – present; Psychology)
- Bryan White (Fall 2018 – present; Psychology)
- Jessica Madrid (Fall 2016 – present; Psychology)

- Edin Sabic (Fall 2018 – Spring 2020; Psychology)
- Collin Scarince (Fall 2015 – Summer 2018; Psychology)
- Ryan Sams (Fall 2015 – Spring 2017; Psychology, withdrew from the PhD program)
- Carrie Melia (Fall 2014 – Fall 2016; Psychology, withdrew from the PhD program)
- \*Nathaniel Shaver (Fall 2014 – Spring 2016; Interdisciplinary, withdrew and switched to Education)
- Arryn Robbins (Spring 2014 – Spring 2018; Psychology)

#### Master's Students Supervised:

- Rebecca Skulsky (Fall 2019 – present; Psychology)
- Hailey Sandin (Fall 2017 – present; Psychology)
- Rebecca Penn (Fall 2017 – Winter 2019; Psychology)
- Summer Lileck (Fall 2015 – Spring 2018; Psychology; dismissed from the program)
- Jessica Madrid (Fall 2014 – Fall 2016; Psychology)
- Ryan Sams (Fall 2014 – Fall 2015; Psychology)
- Collin Scarince (Fall 2014 – Summer 2015; Psychology)
- Casey Tunstall (Fall 2013 – Fall 2014; Psychology)

#### Undergraduate Research Scholars Supervised:

- Mariana Cazares Rodriguez (Spring 2020 – present; Discovery Scholars Program)
- Jonathan Ayavar (Spring 2020 – present; Discovery Scholars Program)
- Kitt Phi (Spring 2019 – present; Discovery Scholars Program)
- Victoria Arvizu (Spring 2019 – Spring 2020; Discovery Scholars Program)
- Christine Dellefield-Lopez (Spring 2019 – Spring 2020; Discovery Scholars Program)
- Rene McPherson (Spring 2019 – Summer 2019; Discovery Scholars Program)
- Sydney Candelaria (Spring 2019 – Summer 2019; Discovery Scholars Program)
- John DesGeorges (Summer 2016 – Spring 2018; Discovery Scholars Program, Honors College Capstone Thesis Program)
- Emily Green (Summer 2016 – Fall 2017; Honors College Capstone Thesis Program)
- Maggie Sabik (Summer 2015 – Spring 2016; BRAiN Training Program)
- Alexis Lopez (Spring 2016 – Summer 2016; Discovery Scholars Program)
- Garrett Bennett (Summer 2015 – Fall 2015; Discovery Scholars Program)

#### Graduate and undergraduate students financially supported (undergraduate work-study students are denoted by asterisks \*):

- Saleem Masadeh (Computer Science, summer 2019 – summer 2020)
- \*Kitt Phi (Computer Science, summer 2019 – spring 2020)
- \*Phillip Powell (Computer Science, spring 2020)
- \*Jonathan Ayavar (Computer Science and the Creative Media Institute, fall 2019 – present)

#### Master's Thesis Committees:

- As chair:
  - Rebecca Skulsky (Psychology, *pending*) – New Mexico State University.
  - Hailey Sandin (Psychology, *pending*) – New Mexico State University.
  - Rebecca Penn (Psychology, *January 2020*) – New Mexico State University.
  - Summer Lileck (Psychology, *dismissed May 2018*) – New Mexico State University.
  - Jessica Madrid (Psychology, *October 2016*) – New Mexico State University.
  - Ryan Sams (Psychology, *November 2015*) – New Mexico State University.
  - Collin Scarince (Psychology, *July 2015*) – New Mexico State University.
  - Casey Tunstall (Psychology, *December 2014*) – New Mexico State University.
- As member (or Dean's representative †; non-thesis committees \*\*):
  - † Cynthia DeLanoy (Animal and Range Science, *pending*) – New Mexico State University.
  - Giovanna Del Sordo (Psychology, *June 2020*) – New Mexico State University.
  - † Katie Giesler (Clinical Mental Health Counseling, *April 2020*) – New Mexico State University.
  - †\*\* JeSeung Park (Computer Science, *November 2019*) – New Mexico State University.
  - Mary Berg (Psychology, *April 2019*) – New Mexico State University.
  - Audrey Morrow (Psychology, *October 2018*) – New Mexico State University.

- Bryan White (Psychology, *August 2018*) – New Mexico State University.
- †Shane Alvarez (Computer Science, *May 2018*) – New Mexico State University.
- †Francesco Fabiano (Computer Science, *April 2018*) – New Mexico State University.
- †Christabel Castro (Animal and Range Sciences, *April 2017*) – New Mexico State University.
- Juan Guevara Pinto (Psychology, *November 2016*) – Louisiana State University.
- Hunter Myuz (Psychology, *October 2016*) – New Mexico State University.
- Alexander VanHoudt (Psychology, *May 2016*) – New Mexico State University.
- Naveen Dass (Psychology, *April 2016*) – New Mexico State University.
- †Anthony Tome (English MFA, *March 2016*) – New Mexico State University.
- Kyle Brady (Applied Psychology, *November 2015*) – Arizona State University, Polytechnic.
- C. Brooks Volkman (Psychology, *November 2014*) – New Mexico State University.
- Stephen C. Walenchok (Psychology, *June 2014*) – Arizona State University.

#### Master's Thesis Qualifying Exam Committees:

- As chair:
  - Carrie Anne Melia (Psychology, *September 2014*) – New Mexico State University.
- As member:
  - Sarah Wheat (Psychology, *May 2020*) – New Mexico State University.
  - Dre Good (Psychology, *November 2018*) – New Mexico State University.
  - John Dennem (Psychology, *October 2015*) – New Mexico State University.
  - Yogesh Raut (Psychology, *December 2013*) – New Mexico State University.
  - Lindsay Ruckel (Psychology, *September 2013*) – New Mexico State University.

#### PhD Comprehensive Exams Committees:

- As chair (or co-chair \*; or Dean's representative †):
  - Rebecca Penn (Psychology, *pending*) – New Mexico State University.
  - Dre Good (Psychology, *pending*) – New Mexico State University.
  - Bryan White (Psychology, *pending*) – New Mexico State University.
  - Jessica Madrid (Psychology, *November 2018*) – New Mexico State University.
  - Collin Scarince (Psychology, *October 2016*) – New Mexico State University.
  - \*Nathaniel Shaver (Interdisciplinary, *May 2016*) – New Mexico State University.
  - Arryn Robbins (Psychology, *October, 2014*) – New Mexico State University.
- As member:
  - †Moe Manshad (Computer Science, *October 2018*) – New Mexico State University.
  - Edin Sabic (Psychology, *October 2018*) – New Mexico State University.
  - Daniel Henning (Psychology, *August 2018*) – New Mexico State University.
  - Juan Guevara Pinto (Psychology, *April 2018*) – Louisiana State University.
  - John Dennem (Psychology, *dismissed June 2017*) – New Mexico State University.
  - Hunter Myuz (Psychology, *May 2017*) – New Mexico State University.
  - Stephen C. Walenchok (Psychology, *January 2016*) – Arizona State University.
  - Yogesh Raut (Psychology, *July 2015*) – New Mexico State University.
  - Lindsay Ruckel (Psychology, *September 2014*) – New Mexico State University.
  - Youngjin Kang (Psychology, *April 2014*) – New Mexico State University.

#### Doctoral Dissertation Committees:

- As chair:
  - Jessica Madrid (Psychology, *pending*) – New Mexico State University.
  - Edin Sabic (Psychology, *April 2020*) – New Mexico State University.
  - Collin Scarince (Psychology, *July 2018*) – New Mexico State University.
  - Arryn Robbins (Psychology, *April 2018*) – New Mexico State University.
- As member (or Dean's representative †; non-thesis committees \*\*):
  - †Sean Cochran (Kinesiology, *pending*) – New Mexico State University.
  - Ashely Ercolino (Psychology, *pending*) – University of Central Florida.
  - Diane Baier (Psychology, *pending*) – University of Vienna.
  - Daniel Henning (Psychology, *pending*) – New Mexico State University.
  - Hunter Myuz (Psychology, *June 2020*) – New Mexico State University.

- Juan Guevara Pinto (Psychology, *February 2020*) – Louisiana State University.
- Adam Underwood (Psychology, *April 2019*) – New Mexico State University.
- †Moe Manshad (Computer Science, *April 2019*) – New Mexico State University.
- Stephen C. Walenchok (Psychology, *November 2018*) – Arizona State University.
- John Kulpa (Psychology, *April 2018*) – New Mexico State University.
- Yogesh Raut (Psychology, *dismissed June 2017*) – New Mexico State University.
- Jesse Marczyk (Psychology, *February 2016*) – New Mexico State University.
- Daniel Gambacorta (Psychology, *March 2015*) – New Mexico State University.
- Jeremy Schwark (Psychology, *April 2014*) – New Mexico State University.

#### Fulbright Scholar Mentor/Host:

- Scholar: Andras Norbert Zsido from University of Pécs (Hungary); application under review (October 2020).
- Scholar: Andras Norbert Zsido from University of Pécs (Hungary); not awarded (October 2019).

#### Preparing Future Faculty Program, Faculty Advisor (New Mexico State University):

- Advisee: Ryan Sams (Fall 2016 – Spring 2017)
- Advisee: Carrie Melia (Fall 2015 – Spring 2016)
- Advisee: Collin Scarince (Fall 2014 – Spring 2015)

#### High school apprenticeship program, Faculty Co-Advisor (New Mexico State University):

- Advisee: Katrina Ling (2014-2015)

## Teaching

**Undergraduate level, Cognition (PSY 340);** Classes taught by supervised *Preparing Future Faculty* graduate student teachers are denoted by asterisks.

- 1) Spring, 2014. 60 students at New Mexico State University  
Evaluations (out of 5): Instructor = 4.97; Course = 5.0
- 2) Fall, 2014. 40 students at New Mexico State University.  
Evaluations (out of 4): Instructor = 3.9; Course = 3.95
- 3) \*Spring, 2015. 70 students at New Mexico State University.  
Evaluations (out of 4): Instructor = 3.84; Course = 3.7
- 4) Spring, 2016. 40 students at New Mexico State University.  
Evaluations (out of 4): Instructor: 3.96; Course: 3.96.
- 5) Fall, 2016. 46 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 4.97; Course: 4.81.
- 6) Spring, 2017. 64 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 5.0; Course: 4.98.
- 7) Fall, 2017. 35 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 5.0; Course: 4.98.
- 8) Spring, 2018. 65 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 4.94; Course: 4.91.
- 9) Fall, 2018. 65 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 4.97; Course: 4.88.

#### **Undergraduate level, Experimental Methods (PSY 310)**

- 1) Fall, 2014. 40 students at New Mexico State University.  
Evaluations (out of 4): Instructor = 3.8; Course = 3.67
- 2) Spring, 2015. 70 students at New Mexico State University.  
Evaluations (out of 4): Instructor = 3.73; Course = 3.61
- 3) Fall, 2015. 40 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 5.0; Course: 4.85.
- 4) Spring, 2016. 40 students at New Mexico State University.  
Evaluations (out of 4): Instructor: 3.94; Course: 3.41.
- 5) Fall, 2016. 38 students at New Mexico State University.

- Evaluations (out of 5): Instructor: 4.89; Course: 4.89.
- 6) Spring, 2017. 31 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 4.91; Course: 4.86.
- 7) Spring, 2018. 35 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 4.91; Course: 4.86.
- 8) Fall, 2018. 40 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 4.96; Course: 4.78.
- 9) Spring, 2019. 40 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 5.0; Course: 4.96.

**Undergraduate Honors level, The Human Mind (Hon 323G)**

- 1) Summer, 2017. 13 students at New Mexico State University.

**Undergraduate level, Statistics and Research Design (PSYC 2317)**

- 1) Summer 1, 2016. 12 students at El Paso Community College.  
2) Summer 2, 2016. 15 students at El Paso Community College.

**Undergraduate level, Memory & Cognition (PSY 324); Supervised teaching.**

- 1) Spring, 2011. 35 students at Arizona State University.  
Evaluations (out of 5, where 1 is “most positive”): Instructor = 1.27
- 2) Spring, 2013. 50 students at Arizona State University.  
Evaluations (out of 5, where 1 is “most positive”): Instructor = 1.2

**Undergraduate level, Introduction to Psychology (PGS 101); Supervised teaching.**

- 1) Spring, 2010. 35 students at Arizona State University.  
Evaluations (out of 5, where 1 is “most positive”): Instructor = 1.16

**Graduate level, Sensation & Perception (PSY 522)**

- 1) Spring, 2014. 12 students at New Mexico State University.  
Evaluations (out of 5): Instructor = 4.6; Course = 4.7
- 1) Spring, 2018. 12 students at New Mexico State University.  
Evaluations (out of 5): Instructor = 5.0; Course = 4.86

**Graduate level, Quantitative Methods in Psychology I (PSY 507)**

- 1) Fall, 2013. 9 students at New Mexico State University.  
Evaluations (out of 4): Instructor = 3.78; Course = 3.67

**Graduate level, History & Systems in Psychology (PSY 540)**

- 1) Fall 2015. 28 students at New Mexico State University.  
Evaluations (out of 5): Instructor: 4.33; Course: 3.94.

**Graduate level, Psychology Department Weekly Brownbag Seminar Organizer (PSY 590)**

- 1) Fall 2015. Departmental; at New Mexico State University.  
2) Spring 2016. Departmental; at New Mexico State University.  
3) Fall 2016. Departmental; at New Mexico State University.

**Graduate level, Readings and Conference (PSY 590); Topic: Eye movements**

- 1) Fall, 2012. 1 student at Arizona State University.  
2) Spring, 2013. 1 student at Arizona State University.

To the right is a histogram showing the distribution of my average overall “Instructor” ratings received by students, and my average overall “Course” ratings, shown in blue and orange bars, respectively. Because different courses/semesters used different scales, all ratings have been converted to a percentage (0 = worst, 100% = best).

**RateMyProfessor.com ratings (out of 5):**

- New Mexico State University: Currently (6/4/2019) 33 ratings at <http://www.ratemyprofessors.com/ShowRatings.jsp?tid=1890726>
  - Overall: 4.7; Difficulty: 2.5; Would take again: 100%.
- Arizona State University: 6 ratings at <http://www.ratemyprofessors.com/ShowRatings.jsp?tid=1538949>
  - Overall: 5.0; Difficulty: 2.0.

