

EYAL SAGI
CURRICULUM VITAE

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ACADEMIC POSITIONS

2015-Present	Assistant Professor Psychology Department, University of St. Francis
2014-2015	Research Assistant Professor Kellogg School of Management, Northwestern University
2011-2014	Postdoctoral Research Fellow Kellogg School of Management, Northwestern University
2007-2011	Instructor Psychology Department and School of Continuing Studies, Northwestern University
2003-2007	Teaching Assistant Psychology Department, Northwestern University

EDUCATION

2011	Ph.D., Cognitive Psychology, Northwestern University, USA Dissertation: <i>The Use of Causal Coherence Information in Disambiguating Pronouns</i> Advisor: Lance J. Rips
2004	M.A., Cognitive Psychology, Northwestern University, USA
2002	B.A., Psychology and Sociology, Tel-Aviv University, Israel

RESEARCH INTERESTS

Language and Discourse Processing
Statistical Methods
Computational Modeling
Knowledge Representation
Analogical Reasoning and Comparison

PEER REVIEWED PUBLICATIONS

Journal Articles

- 2015 Iliev, R., Dehghani, M., & Sagi, E. Automated Text Analysis in Psychology: Methods, Applications and Future Developments. *Language and Cognition*, 7, 265-290. doi:10.1017/langcog.2014.30
- 2014 Sagi, E., & Rips, L. J. Identity, Causality, and Pronoun Ambiguity. *Topics in Cognitive Science*, 6, 663-680. doi:10.1111/tops.12105
- 2014 Sagi, E., & Dehghani, M. Measuring Moral Rhetoric in Text. *Social Science Computer Review*, 32, 132-144. doi:10.1177/0894439313506837
- 2013 Sagi, E., Diermeier, D., & Kaufmann, S. Identifying Issue Frames in Text. *PloS One*, 8, e69185. doi:10.1371/journal.pone.0069185
- 2012 Sagi, E., Gentner, D., & Lovett, A. What Difference Reveals about Similarity. *Cognitive Science*, 36, 1019-1050. doi:10.1111/j.1551-6709.2012.01250.x
- 2009 Lovett, A., Forbus K., Gentner D., & Sagi E. Using Analogical Mapping to Simulate Time-Course Phenomena in Perceptual Similarity. *Cognitive Systems Research*, 10, 216-228. doi:10.1016/j.cogsys.2008.03.006

Book Chapters

- 2011 Sagi, E., Kaufmann, S., & Clark, B. Tracing Semantic Change with Latent Semantic Analysis. In K. Allan, & J. A. Robinson (Eds.), *Current Methods in Historical Semantics* (pp. 161-183). Boston, MA: Walter de Gruyter.
- 2011 German, J., Sagi, E., Kaufmann S., & Clark, B. The Role of Speaker Beliefs in Determining Accent Placement. In A. Bentz, C. Ebert, G. Jager, & R. van Rooij (Eds.), *Language, Games, and Evolution: Trends in Current Research on Language and Game Theory* (pp. 92-116). New York, NY: Springer.

Conference Papers

- 2015 Sagi, E., Gann, T. M., & Matlock, T. The Moral Rhetoric of Climate Change. In *Proceedings of the 37th Annual Conference of the Cognitive Science Society*.
- 2014 Sagi, E., & Dehghani, M. Moral Rhetoric in Twitter: A Case Study of the U.S. Federal Shutdown of 2013. In *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 1347-1352).
- 2013 Sagi, E., & Diermeier, D. The Time Course of Language Use in Multiparty Negotiations. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 3343-3347).

- 2013 Jamrozik, A., **Sagi, E.**, Goldwater, M., & Gentner, D. Relational Words have High Metaphoric Potential. In E. Shutova, B. Beigman-Klebanov, J. Testreault, & Z. Kozareva (Eds.), *Proceedings of the First Workshop on Metaphor in NLP* (pp. 21-26).
- 2010 **Sagi, E.** Discourse Structure Effects on the Global Coherence of Texts. In M. Finlayson (Ed.), *Computational Models of Narrative, Papers from the 2010 AAAI Fall Symposium* (pp. 55-61).
- 2009 **Sagi, E.**, Kaufmann, S., & Clark, B. Culture in the Mirror of Language: A Latent Semantic Analysis Approach to Culture. In N. Taatgen, H. van Rijn, L. Schomaker, & J. Nerbonne (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 637-642).
- 2009 Lovett, A., Gentner, D., **Sagi, E.**, & Forbus, K. Modeling Perceptual Similarity as Analogy Resolves the Paradox of Difference Detection. In B. Kokinov, K. Holyoak, & D. Gentner (Eds.), *Proceedings of the 2nd International Analogy Conference* (pp. 320-329).
- 2009 Boussidan, A., **Sagi, E.**, & Ploux, S. Phonaesthetic and Etymological effects on the Distribution of Senses in Statistical Models of Semantics. In Y. Priesman, Y. Versley & T. de Cruys (Eds.), *Proceedings of the Cognitive Science Conference 2009 Workshop on Distributional Semantics beyond Concrete Concepts* (pp. 35-40).
- 2009 **Sagi, E.**, Kaufmann, S., & Clark, B. Semantic Density Analysis: Comparing Word Meaning across Time and Phonetic Space. In R. Basili, & M. Pennacchiotti (Eds.), *Proceedings of the EACL 2009 Workshop on GEMS: Geometrical Models of Natural Language Semantics* (pp. 104-111).
- 2008 Otis, K. & **Sagi, E.** Phonaesthemes: A Corpora-Based Analysis. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.) *Proceedings of the 30th Annual Meeting of the Cognitive Science Society* (pp. 65-70).
- 2007 Lovett, A., **Sagi, E.**, & Gentner, D. Analogy as a Mechanism for Comparison. In A. Schwering, U. Krumnack, K.-U. Kühnberger, & H. Gust (Eds.) *Proceedings of Analogies: Integrating Multiple Cognitive Abilities* (pp. 27-30).
- 2006 Gentner, D. & **Sagi, E.** Does “Different” Imply a Difference? A Comparison of Two Tasks. In R. Sun, & N. Miyake (Eds.). *Proceedings of the 28th Annual Meeting of the Cognitive Science Society* (pp. 261-266).
- 2006 **Sagi E.** Context and the Processing of Discourse: Priming and Genre Effects on Discourse Comprehension. In R. Sun, & N. Miyake (Eds.). *Proceedings of the 28th Annual Meeting of the Cognitive Science Society* (pp. 2071-2076).

MANUSCRIPTS UNDER REVIEW

Sagi, E. & Diermeier, D. Language Use and Coalition Formation in Multiparty Negotiations.

Dehghani, M., Johnson, K., **Sagi, E.**, Garten, J., Jitendra, P., Vaisey, S., Iliev, R., & Graham J. Purity Homophily in Social Networks.

INVITED TALKS

- 2011 Quantitative and Qualitative Approaches for Tracing Changes to the Framing of Issues in Political Speeches. Workshop on Text as Data, University of Chicago, Chicago, IL. With Stefan Kaufmann and Daniel Diermeier.
- 2010 Word Vector Spaces as a Tool for Investigating Semantic Change. L2C2, Université Lyon, Lyon, France.

CONFERENCE TALKS & POSTERS

- 2015 **Sagi, E.** The Influence of Causal Information on Pronoun Disambiguation. To be presented at *the 55th Annual Meeting of the Psychonomic Society*, Chicago, IL.
- 2015 **Sagi, E.**, Gann, T. M., & Matlock, T. The Moral Rhetoric of Climate Change. To be presented at *the 37th Annual Conference of the Cognitive Science Society.*
- 2015 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. To be presented at *the 32nd Annual Conference of the European Association of Law and Economics*, Vienna, Austria.
- 2015 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. Presented at *the 19th Annual Conference of the Latin and Iberian Law and Economics Association*, Santo Domingo, Dominican Republic.
- 2014 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. Presented at *the 10th Annual Conference of the Italian Society of Law and Economics*, Rome, Italy.
- 2014 **Sagi, E.** Semantic Vector Spaces as a Tool for Psychological Investigation. Presented at *the 55th Annual Meeting of the Psychonomic Society*, Long Beach, CA.
- 2014 **Sagi, E.**, & Dehghani, M. Moral Rhetoric in Twitter: A Case Study of the U.S. Federal Shutdown of 2013. Presented at *the 36th Annual Conference of the Cognitive Science Society*, Quebec City, Canada.
- 2013 **Sagi, E.**, & Diermeier, D. The Time Course of Language Use in Multiparty Negotiations. Presented at *the 35th Annual Conference of the Cognitive Science Society*, Berlin, Germany.

- 2013 Jamrozik, A., **Sagi, E.**, Goldwater, M., & Gentner, D. Relational Words have High Metaphoric Potential. Presented at *the First Workshop on Metaphor in NLP*, Atlanta, GA.
- 2012 **Sagi, E.**, Diermeier, D., & Kaufmann, S. A Quantitative Approach to Framing in Political Speech. Presented at *the 5th ESRC Research Methods Festival*, Oxford, England.
- 2012 **Sagi, E.**, Diermeier, D., & Kaufmann, S. Using Large Corpora to Explore the Framing of Concepts. Presented at *the Open Knowledge Festival 2012*, Helsinki, Finland.
- 2012 Jamrozik, A., Goldwater, M., **Sagi, E.**, & Gentner, D. Representational Form and Metaphorical Word Use. Poster presented at *the 34th Annual Meeting of the Cognitive Science Society*, Sapporo, Japan.
- 2011 Diermeier, D., Kaufmann, S., & **Sagi, E.** A Quantitative Approach to Framing in Political Speech. Presented at *the 2nd Annual Text as Data Conference*, Evanston, IL.
- 2010 **Sagi, E.** Discourse Structure Effects on the Global Coherence of Texts. Presented at *the 2010 AAAI Fall Symposium*. Arlington, VA.
- 2010 **Sagi, E.** Nouns are More Stable than Verbs: Patterns of Semantic Change in 19th Century English. Poster presented at *the 32nd Annual Conference of the Cognitive Science Society*, Portland, OR.
- 2010 **Sagi, E.**, Kaufmann, S., Clark, B., & Diermeier, D. Tracking Changes in Word Meaning and Use. Presented at *the Workshop on Interactive Visual Analysis for Natural Language Processing*, Stuttgart, Germany.
- 2009 **Sagi, E.**, Kaufmann, S., & Clark, B. Culture in the Mirror of Language: A Latent Semantic Analysis Approach to Culture. Presented at *the 31st Annual Conference of the Cognitive Science Society*. Amsterdam, the Netherlands.
- 2009 Boussidan, A., **Sagi, E.**, & Ploux, S. Phonaesthetic and Etymological effects on the Distribution of Senses in Statistical Models of Semantics. Presented at *the 31st Annual Conference of the Cognitive Science Society*. Amsterdam, the Netherlands.
- 2009 Lovett, A., Gentner, D., **Sagi, E.**, & Forbus, K. Modeling Perceptual Similarity as Analogy Resolves the Paradox of Difference Detection. Presented at *the 2nd International Analogy Conference*, Sofia, Bulgaria.
- 2009 **Sagi, E.**, Kaufmann, S., & Clark, B. Semantic Density Analysis: Comparing Word Meaning across Time and Phonetic Space. Presented at *the 12th Conference of the European Chapter of the Association for Computational Linguistics*, Athens, Greece.
- 2009 **Sagi, E.** The Perceived Importance of Explanations in Narrative and Procedural Texts. Poster presented at *the 16th Annual Meeting of the Society for Text and Discourse*, Rotterdam, The Netherlands.

- 2009 **Sagi, E.**, Kaufmann, S., & Clark, B. Tracing Semantic Change with Latent Semantic Analysis. Presented at *the 83rd Annual Meeting of the Linguistic Society of America*, San Francisco, CA.
- 2008 **Sagi, E.** Effects of Hierarchical Discourse Structures on the Processing and Comprehension of Texts. Poster presented at *the 20th Annual Meeting of the Association for Psychological Science*, Chicago, IL.
- 2008 **Sagi, E.**, & Otis, K. Semantic Glimmers: Phonaesthemes facilitate access to sentence meaning. Presented at *the 9th conference on Conceptual Structures, Discourse & Language*, Cleveland, Ohio.
- 2008 **Sagi, E.**, Kaufmann, S., & Clark, B. Tracing Semantic Change with Latent Semantic Analysis. Presented at *the 15th International Conference on English Historical Linguistics*, Munich, Germany.
- 2008 Otis, K. & **Sagi, E.** Phonaesthemes: A Corpora-Based Analysis. Presented at *the 30th Annual Meeting of the Cognitive Science Society*, Washington, DC.
- 2008 **Sagi, E.**, & Otis, K. Using Latent Semantic Analysis to Examine the Relationship between Sound and Meaning. Presented at *the 41st Annual Meeting of the Society for Mathematical Psychology*, Washington, D.C.
- 2008 **Sagi, E.** Discourse Relations in Context: Structural Effects in the Comprehension of Texts. Poster presented at *the 30th Annual Conference of the Cognitive Science Society*, Washington, D.C.
- 2007 Lovett, A., **Sagi, E.**, & Gentner, D. Analogy as a Mechanism for Comparison. In A. Schwering, U. Krumnack, K.-U. Kühnberger, & H. Gust (Eds.) Presented at *the 29th Annual Meeting of the Cognitive Science Society*, Nashville, TN.
- 2007 German, J., **Sagi, E.**, Kaufmann, S., Clark, B. & Kim, M. The Effect of the Speaker's Motivation on the Interpretation of Logical Connectives. Poster Presented at *the 29th Annual Meeting of the Cognitive Science Society*, Nashville, TN.
- 2006 German, J., **Sagi, E.**, Kaufmann, S., Clark, B. & Kim, M. The Role of Hearer's Beliefs in the Interpretation of Logical Connectives. Presented at *the Conference on Games and Decisions in Pragmatics II*, Berlin, Germany.
- 2006 Gentner, D. & **Sagi, E.** (2006) Does "Different" Imply a Difference? A Comparison of Two Tasks. Presented at *the 28th Annual Meeting of the Cognitive Science Society*, Vancouver, Canada.
- 2006 **Sagi E.** (2006) Context and the Processing of Discourse: Priming and Genre Effects on Discourse Comprehension. Presented at *the 28th Annual Meeting of the Cognitive Science Society*, Vancouver, Canada.
- 2006 **Sagi, E.** Are Coherence Relations Computed During Reading? Evidence from a Priming Experiment. Poster presented at *the 16th Annual Meeting of the Society for Text and Discourse*, Vancouver, BC.

- 2005 **Sagi, E.** Coherence: A Psychological Perspective. Presented at the Annual Northwestern-University of Chicago Psychology Graduate Students Conference, Chicago, IL.

PATENT APPLICATIONS

- 2001 Margaliot, S., Murray, B. W., Krulwich, B., Demidov, A., & **Sagi, E.** Fast linguistic parsing system U.S. Patent Application 2004/0205,737. Washington, DC: U.S. Patent and Trademark Office.

TEACHING EXPERIENCE

I am prepared to teach courses on the following topics: Introductory Psychology, Statistics, Research Methods, Cognitive Psychology, Reasoning and Analogy, Psycholinguistics, Psychology of Language, Language and Cognition, Knowledge Representation, Computational Modeling, Semantics, Pragmatics, Natural Language Processing, Critical Reading in Psychology.

- 2007-2011 Sole Instructor, Psychology Department & School of Continuing Studies, Northwestern University
Cognitive Psychology (2008, 2011)
Research Methods (2007, 2008)
Statistical Methods in Psychology (2008, 2009, 2010)
- 2003-2007 Teaching assistant, Psychology Department, Northwestern University
Cognitive Psychology
Human Sexuality
Introduction to Neuroscience
Introduction to Psychology
Research methods
Statistical Methods in Psychology

ACADEMIC SERVICE

Departmental Service

2007 Organized Cognitive Brownbag Series

Program Committees

2015 3rd Workshop on Metaphor in NLP

2014 2nd Workshop on Metaphor in NLP

2012 1st International Workshop on Similarity and Analogy-based Methods in AI

Ad-hoc reviewer

Cognition

Journal of Creative Behavior

Journal of Logic, Language and Information

Language and Cognition

ACADEMIC AFFILIATIONS

The Cognitive Science Society

The Psychonomic Society

LANGUAGES

English (Native)

Hebrew (Native)

REFERENCES

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