

EYAL SAGI
CURRICULUM VITAE

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Psychology Department
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ACADEMIC POSITIONS

2018-Present	Assistant Professor and Chair Psychology Department, University of St. Francis
2015-2018	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	Analogical Reasoning and Comparison
Statistical Methods	Knowledge Representation
Computational Modeling	

AWARDS

- 2015 The Edgardo Buscaglia ALACDE Award on Empirical Research in Law & Economics for Moral Rhetoric in the Basel Accords: A Quantitative Analysis (together with Hadar Jabotinsky)

PEER REVIEWED PUBLICATIONS

Journal Articles

- In Press **Sagi, E.** Taming big data: Applying the experimental method to naturalistic data sets. *Behavior Research Methods*. doi:10.3758/s13428-018-1185-6
- 2018 Marmolejo-Ramos, F., Khatin-Zadeh, O., Yazdani-Fazlabadi, B., Tirado, C., & **Sagi, E.** Embodied concept mapping: Blending structure-mapping and embodiment theories. *Pragmatics & Cognition*, 24, 164-185. doi:10.1075/pc.17013.mar
- 2018 **Sagi, E.** Developing a new method for psychological investigation using text as data. *SAGE Research Methods Cases*, 2. doi:10.4135/9781526442604
- 2017 **Sagi, E.** & Diermeier, D. Language Use and Coalition Formation in Multiparty Negotiations. *Cognitive Science*, 41, 259-271. doi:10.1111/cogs.12325
- 2016 Dehghani, M., Johnson, K., Hoover, J., **Sagi, E.**, Garten, J., Jitendra, P., Vaisey, S., Iliev, R., & Graham J. Purity Homophily in Social Networks. *Journal of Experimental Psychology: General*, 145, 366-375. doi:10.1037/xge0000139
- 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

- 2018 **Sagi, E.** & Jones, B. K. Cognition and Emotion in Narratives of Redemption: An Automated Analysis. In T. T. Rogers, M. Rau, X. Zhu, & C. W. Kalish (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 2382-2387). Austin, TX: Cognitive Science Society.
- 2017 **Sagi, E.** Is it fair? Textual effects on the salience of moral foundations. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 3028-3032). Austin, TX: Cognitive Science Society.
- 2015 **Sagi, E.**, Gann, T. M., & Matlock, T. The Moral Rhetoric of Climate Change. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 2063-2068). Austin, TX: 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). Austin, TX: Cognitive Science Society.
- 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). Austin, TX: Cognitive Science Society.
- 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). Austin, TX: Cognitive Science Society.
- 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). Austin, TX: Cognitive Science Society.
- 2007 Lovett, A., **Sagi, E.**, & Gentner, D. Analogy as a Mechanism for Comparison. In A. Scherwing, 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). Austin, TX: Cognitive Science Society.
- 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).

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

- 2018 Marmolejo-Ramos, F., Khatin-Zadeh, O., Yazdani-Fazlabadi, B., Tirado, C., & **Sagi, E.** Embodied concept mapping: redefining concepts. Poster presented at the *2018 Meeting of the Australasian Society for Philosophy and Psychology*, Sydney, Australia.
- 2018 **Sagi, E.** & Jones, B. K. Cognition and Emotion in Narratives of Redemption: An Automated Analysis. Poster presented at the *59th Annual Meeting of the Psychonomic Society*, New Orleans, LA.
- 2018 **Sagi, E.** Language Dynamics in Supreme Court Oral Arguments. Poster presented at the *40th Annual Conference of the Cognitive Science Society*, Madison, WI.
- 2018 **Sagi, E.** & Jones, B. K. Cognition and Emotion in Narratives of Redemption: An Automated Analysis. Poster presented at the *40th Annual Conference of the Cognitive Science Society*, Madison, WI.
- 2017 **Sagi, E.** Language Dynamics in Supreme Court Oral Arguments. Poster presented at the *58th Annual Meeting of the Psychonomic Society*, Vancouver, BC.
- 2017 **Sagi, E.** Is it fair? Textual effects on the salience of moral foundations. Poster presented at the *39th Annual Meeting of the Cognitive Science Society*, London, UK.
- 2016 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. Poster presented at the *11th Annual Conference on Empirical Legal Studies*, Durham, NC.
- 2016 **Sagi, E.** Priming Moral Reasoning Using Text. Poster presented at the *57th Annual Meeting of the Psychonomic Society*, Boston, MA.
- 2016 **Sagi, E.**, & Jabotinsky, H. Y. Moral Rhetoric in the Basel Accords: A Quantitative Analysis. Poster presented at the *38th Annual Conference of the Cognitive Science Society*, Philadelphia, PA
- 2016 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. Presented at the *Conference on Empirical Legal Studies in Europe*, Amsterdam, Netherlands.
- 2016 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. Presented at the *9th International Risk Management Conference*, Jerusalem, Israel.
- 2015 **Sagi, E.** The Influence of Causal Information on Pronoun Disambiguation. Presented at the *56th Annual Meeting of the Psychonomic Society*, Chicago, IL.
- 2015 **Sagi, E.**, Gann, T. M., & Matlock, T. The Moral Rhetoric of Climate Change. Presented at the *37th Annual Conference of the Cognitive Science Society*, Pasadena, CA.

- 2015 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. 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.

- 2015-Present Assistant Professor, Psychology Department,
University of St. Francis
General Psychology
Learning & Cognition
Biophysiology of Psychology
Introduction to Cognitive Neuroscience
Research Methods in the Behavioral Sciences
Morality and Decision Making
History and Systems of 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

University Service

2017-Present	Institutional Review Board
2017-2018	College Curriculum Committee
2016-2017	Academic Technology Committee

Departmental Service

2018-Present	Department Chair
2016-Present	Advisor for the Psi Chi Honor Society
2016-2017	Advisor for the Psychology club
2007	Organized Cognitive Brownbag Series

Program Committees

2019	1 st International Workshop on Computational Approaches to Historical Language Change
2018	Workshop on Figurative Language Processing
2016	4 th Workshop on Metaphor in NLP
2015	3 rd Workshop on Metaphor in NLP
2014	2 nd Workshop on Metaphor in NLP
2012	1 st International Workshop on Similarity and Analogy-based Methods in AI

Ad-hoc reviewer

Grants	National Science Foundation
Journals	Behavior Research Methods
	Cognition
	Connection Science
	Journal of Creative Behavior
	Journal of Logic, Language, and Information
	Language and Cognition
	Organizational Behavior and Human Decision Processes

ACADEMIC AFFILIATIONS

The Cognitive Science Society
The Psychonomic Society

LANGUAGES

English (Native)
Hebrew (Native)

REFERENCES

Daniel Diermeier

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Lance J. Rips

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