

EYAL SAGI  
CURRICULUM VITAE

Kellogg School of Management  
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ACADEMIC POSITIONS

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|--------------|---|
| 2014-Present | Research Assistant Professor<br>Kellogg School of Management, Northwestern University         |
| 2011-2014    | Postdoctoral Research Fellow<br>Kellogg School of Management, Northwestern University         |
| 2007-2011    | Instructor<br>Psychology Department and School of Continuing Studies, Northwestern University |
| 2003-2007    | Teaching Assistant<br>Psychology Department, Northwestern University                          |

EDUCATION

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

RESEARCH INTERESTS

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

## JOURNAL ARTICLES

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- In Press **Sagi, E.**, & Rips, L. J. Identity, Causality, and Pronoun Ambiguity. *Topics in Cognitive Science*. doi:10.1111/tops.12105
- In Press Iliev, R., Dehghani, M., & **Sagi, E.** Automated Text Analysis in Psychology: Methods, Applications and Future Developments. *Language and Cognition*. doi:10.1017/langcog.2014.30
- 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

## OTHER PUBLICATIONS

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### 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.

### Peer-Reviewed Conference Papers

- 2014 **Sagi, E.**, & Dehghani, M. Moral Rhetoric in Twitter: A Case Study of the U.S. Federal Shutdown of 2013. In *Proceedings of the 36<sup>th</sup> Annual Conference of the 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 35<sup>th</sup> 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 31<sup>st</sup> 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 2<sup>nd</sup> 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 30<sup>th</sup> 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.** (2006) Does “Different” Imply a Difference? A Comparison of Two Tasks. In R. Sun, & N. Miyake (Eds.). *Proceedings of the 28<sup>th</sup> Annual Meeting of the Cognitive Science Society* (pp. 261-266).
- 2006 **Sagi E.** (2006) Context and the Processing of Discourse: Priming and Genre Effects on Discourse Comprehension. In R. Sun, & N. Miyake (Eds.). *Proceedings of the 28<sup>th</sup> Annual Meeting of the Cognitive Science Society* (pp. 2071-2076).

## INVITED TALKS

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- 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

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- 2014 Jabotinsky, H. Y., & **Sagi, E.** Moral Rhetoric in the Basel Accords: A Quantitative Analysis. To be presented at *the 10<sup>th</sup> 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 55<sup>th</sup> Annual Meeting of the Psychonomic Society*, Long Beach, CA.
- 2012 **Sagi, E.**, Diermeier, D., & Kaufmann, S. A Quantitative Approach to Framing in Political Speech. Presented at *the 5<sup>th</sup> 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 34<sup>th</sup> 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 2<sup>nd</sup> Annual Text as Data Conference*, Evanston, IL.
- 2010 **Sagi, E.** Nouns are More Stable than Verbs: Patterns of Semantic Change in 19<sup>th</sup> Century English. Poster presented at *the 32<sup>nd</sup> 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.** The Perceived Importance of Explanations in Narrative and Procedural Texts. Poster presented at *the 16<sup>th</sup> 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 83<sup>rd</sup> 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 20<sup>th</sup> 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 9<sup>th</sup> 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 15<sup>th</sup> International Conference on English Historical Linguistics*, Munich, Germany.
- 2008 **Sagi, E.**, & Otis, K. Using Latent Semantic Analysis to Examine the Relationship between Sound and Meaning. Presented at *the 41<sup>st</sup> 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 30<sup>th</sup> Annual Conference of the Cognitive Science Society*, Washington, D.C.
- 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 29<sup>th</sup> 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 **Sagi, E.** Are Coherence Relations Computed During Reading? Evidence from a Priming Experiment. Poster presented at *the 16<sup>th</sup> 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

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- 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

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I am prepared to teach courses on the following topics: Introductory Psychology, Statistics, Research Methods, Cognitive Psychology, Reasoning and Analogy, Psychology of Language, Language and Cognition, Knowledge Representation, Computational Modeling, 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 AFFILIATIONS

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The Cognitive Science Society  
The Psychonomic Society

## ACADEMIC SERVICE

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### **Ad-hoc reviewer**

Cognition  
Journal of Logic, Language and Information  
Language and Cognition

### **Program Committees**

- 2015        3<sup>rd</sup> Workshop on Metaphor in NLP  
2014        2<sup>nd</sup> Workshop on Metaphor in NLP  
2012        1<sup>st</sup> International Workshop on Similarity and Analogy-based Methods in AI

## LANGUAGES

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English (Native)

Hebrew (Native)

## REFERENCES

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