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Research Questions

What types of Moral Rhetoric are present in media coverage of climate change?

Do they depend on political ideology?

How do events affect moral rhetoric in the media?

Moral Foundations Theory Haidt & Joseph (2004)

- 5 categories of moral concerns:
 - Authority (command; duties; protest)
 - Fairness (balanced; honesty; injustice)
 - Harm (care; damage; protection)
 - Loyalty (ally; group; national)
 - Purity (dirty; exploitation; integrity)

Moral Foundations Dictionary (Graham et al., 2009) A set of terms associated with each concern

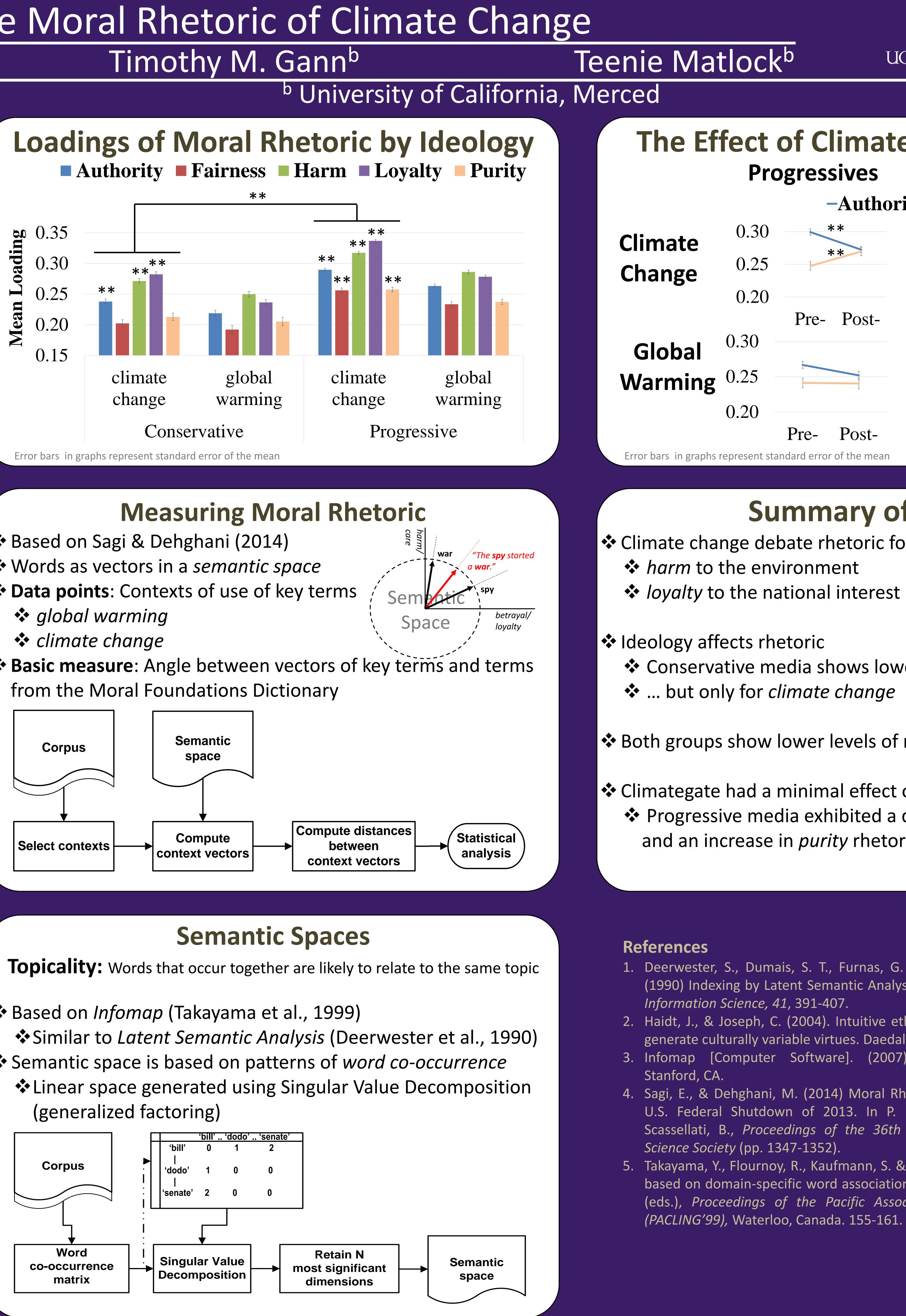
The Corpus **Online News Articles**

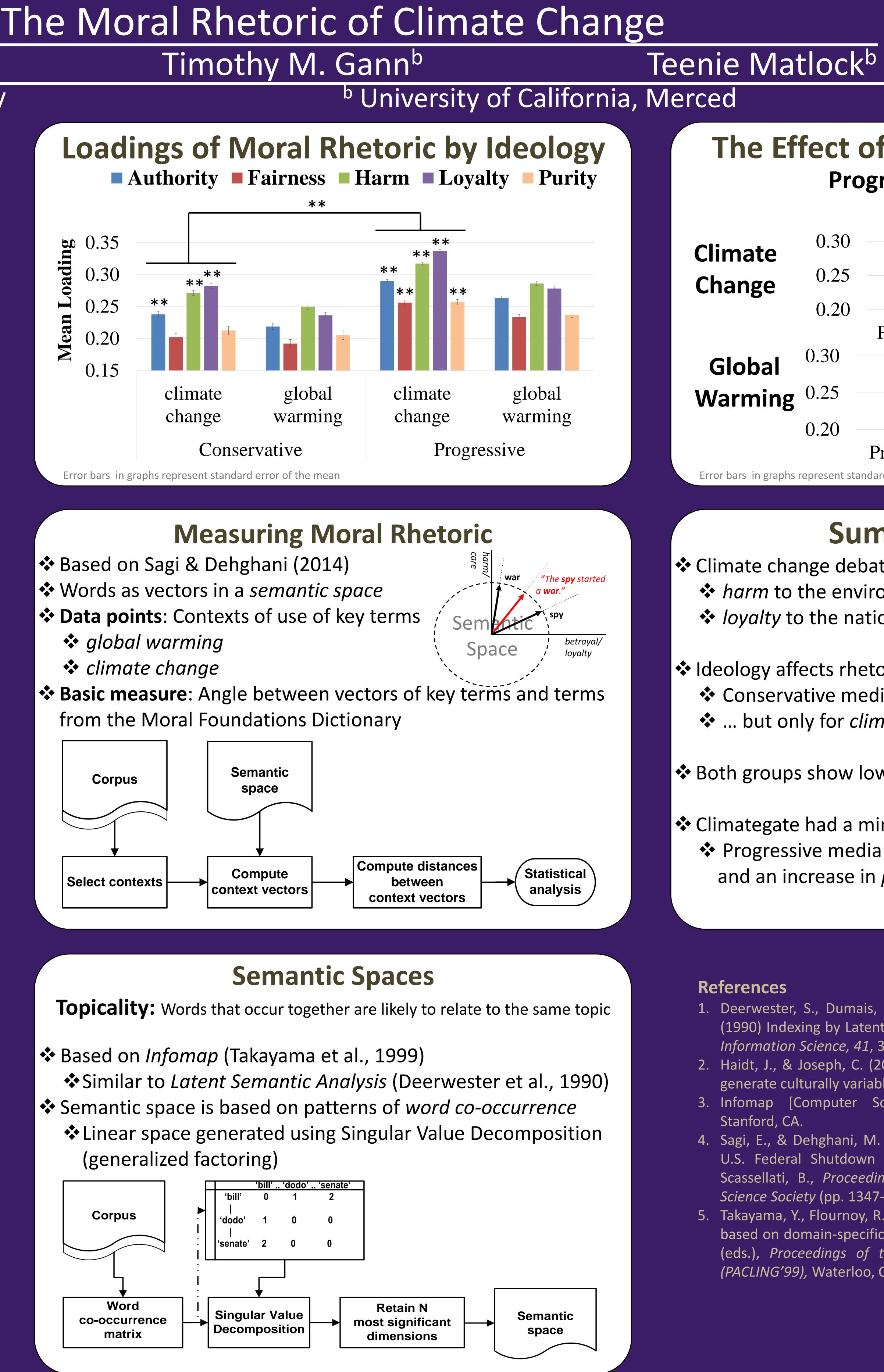
- 23 online news sources
 - Covers 2008-2013
 - Rated for ideology
 - 18,906 articles
 - ✤ about 16M words
 - Selected based on inclusion of *climate* change or global warming in article

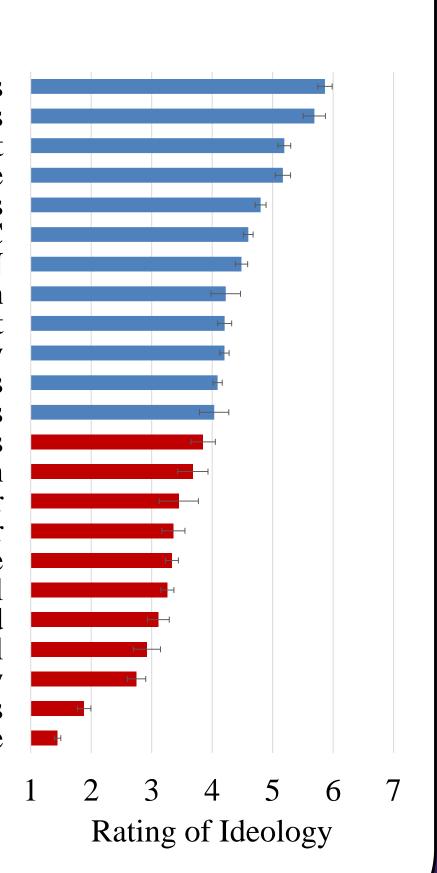
	I nink Progress
ē	Mother Jones
	The Huffington Post
	The New York Times
S S S	NBC
E E	CNN
Progressive	The Nation
	The New York Post
-	USA Today
	Reuters
	Human Events
	Real Clear Politics
	The New American
\frown	Hot Air
0	The American Spectator
S	Forbes Magazine
Conservative	The Wall Street Journal
 a	The Weekly Standard
	Town Hall
< 0	The National Review
-	Fox News
	The American Conservative

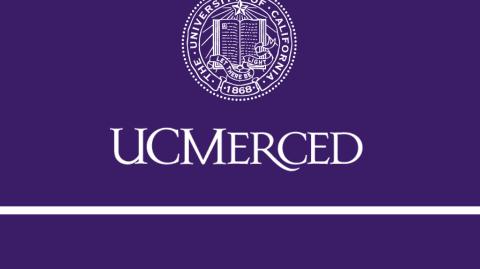
** **big 0.35** 0.30 0.30 ** 0.25 Mean 0.20 0.15 climate change Conservative

global warming









ct of Climategate on Rhetoric		
Progressives	Conservatives	
-Authority	-Purity	
30 **	0.30	
25	0.25	
20	0.20	
Pre- Post-	Pre- Post-	
)	0.30	
5	0.25	
)	0.20	
Pre- Post-	Pre- Post-	
nt standard error of the mean		

Summary of Results

- Climate change debate rhetoric focuses on:

 - Conservative media shows lower levels of rhetoric
- Source of the second se
- Climategate had a minimal effect on media coverage Progressive media exhibited a decrease in *authority* rhetoric and an increase in *purity* rhetoric.
 - 1. Deerwester, S., Dumais, S. T., Furnas, G. W., Landauer, T. K., & Harshman, R. (1990) Indexing by Latent Semantic Analysis. Journal of the American Society for
 - 2. Haidt, J., & Joseph, C. (2004). Intuitive ethics: How innately prepared intuitions generate culturally variable virtues. Daedalus, 133(4), 55–66.
 - 3. Infomap [Computer Software]. (2007) http://infomap-nlp.sourceforge.net/
 - 4. Sagi, E., & Dehghani, M. (2014) Moral Rhetoric in Twitter: A Case Study of the U.S. Federal Shutdown of 2013. In P. Bello, Guarini, M., McShane, M., & Scassellati, B., Proceedings of the 36th Annual Conference of the Cognitive
 - 5. Takayama, Y., Flournoy, R., Kaufmann, S. & Peters, S. (1999) Information retrieval based on domain-specific word associations. In Cercone, N. and Naruedomkul K. (eds.), Proceedings of the Pacific Association for Computational Linguistics