

Workshop IV: Mathematical Analysis of Cultural Expressive Forms: Text Data

Monday May 23, 2016

- 8:00–9:00 *Check-In/Light Breakfast (Hosted by IPAM)*
- 9:00–9:45 **Cristian Danescu-Niculescu-Mizil** (Cornell University)
Language and Social Dynamics
- 10:00–10:15 *Break*
- 10:15–11:00 **Kristina Lerman** (University of Southern California (USC))
Do happy people get more from their friends?: What we can learn about social networks from text analysis
- 11:15–11:30 *Break*
- 11:30–12:15 **Dan Jurafsky** (Stanford University)
The Language of Food
- 12:30–2:00 *Lunch (on your own)*
- 2:00–2:45 **David Smith** (Northeastern University)
Inferring Network Structure from Textual Evidence
- 3:00–3:15 *Break*
- 3:15–4:00 **Matthew Jockers** (University of Nebraska-Lincoln)
Sentiment Analysis as Proxy for Plot
- 4:15–4:30 *Break*
- 4:30–5:15 **Yong-Yeol Ahn** (Indiana University)
The minor fall, the major lift: what can we learn from a large corpus of lyrics?
- 5:30–7:00 *Poster Session & Reception (Hosted by IPAM)*

Tuesday May 24, 2016

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–9:45 **Noah Smith** (University of Washington)
Natural Language Processing for Framing
- 10:00–10:15 *Break*
- 10:15–11:00 **Suresh Naidu** (Columbia University)
Political Language in Economics
- 11:15–11:30 *Break*

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- 11:30–12:15 **Hanna Wallach** (Microsoft Research)
Bayesian Poisson Tensor Decomposition for International Relations
- 12:30–2:00 *Lunch (on your own)*
- 2:00–2:45 **Ralph Kenna** (Coventry University)
Maths Meets Myths – Investigations of Networks in Ancient Narratives
- 3:00–3:15 *Break*
- 3:15–4:00 **Neel Smith** (College of the Holy Cross)
Abstract models for citable analyses of citable texts
- 4:15–4:30 *Break*
- 4:30–5:15 **Lisa Rhody** (The Graduate Center, CUNY)
The Algorithm and the Urn

Wednesday May 25, 2016

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Hoyt Long** (University of Chicago)
(with Richard Jean So) Modeling Racial Segregation in the US Literary Field, 1880-1990
- 10:15–10:30 *Break*
- 10:30–11:15 **David Blei** (Columbia University)
Understanding History through Topic Modeling
- 11:30–11:45 *Break*
- 11:45–12:30 **David Garcia** (ETH Zürich)
How group identity and human-computer interaction shape online communication
- 12:45–2:15 *Lunch (on your own)*
- 2:15–3:00 **Ryan Heuser** (Stanford University)
Word Vectors in the Eighteenth Century
- 3:15–3:45 *Break*
- 3:45–4:30 **Mark Algee-Hewitt** (Stanford University)
Suspense: Computation, Affect, and the Virtual Reader

Thursday May 26, 2016

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–9:45 **Markus Strohmaier** (Universität Koblenz-Landau)
Measuring Social Phenomena on Wikipedia
- 10:00–10:15 *Break*
- 10:15–11:00 **Ted Underwood** (University of Illinois at Urbana-Champaign)
How should we measure cultural change?
- 11:15–11:30 *Break*
- 11:30–12:15 **Winter Mason** (Facebook)
The Emergence of Conventions in Online Social Networks
- 12:30–2:00 *Lunch (on your own)*
- 2:00–2:45 **Natalie Houston** (University of Massachusetts Lowell)
Measuring Poetic Style: a Comparative Approach to Historical Poetics
- 3:00–3:30 *Break*
- 3:30–4:15 **Tanya Clement** (University of Texas at Austin)
Measured Applause: Toward a Cultural Analysis of Audio Collections

Friday May 27, 2016

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–9:45 **Brian Croxall** (Brown University)
Modeling Hemingway, Modeling Digital Humanities: A Pedagogy-Driven Investigation of an In-Copyright Corpus
- 10:00–10:15 *Break*
- 10:15–11:00 **Vwani Roychowdhury** (University of California, Los Angeles (UCLA))
Towards Closer Reading of Very large-scale Text Corpus
- 11:15–11:30 *Break*
- 11:30–12:15 **Simon DeDeo** (Indiana University)
War is the father of all things: Information, Innovation, and Creative Destruction on Wikipedia
- 12:30 *Conclusion*

