

Fall 2018
LIS 500: Independent Study
Intro to the Digital Humanities / Text Mining (R)
Assignments and Readings

Assignments:

- 1) Weekly Blog Posts (300 wds.)
 - a. Summarize / respond to readings and / or synthesize the scholarly conversation
- 2) Evaluate / Review DH Project (600–900 wds.)
 - a. (ex. <http://www.african-origins.org/>, <http://jeffersonswest.unl.edu/>, <http://historyengine.richmond.edu/>, <http://prosody.lib.virginia.edu/>, etc.)
- 3) Final:
 - a. R Text Analysis
 - b. Literature Review (consider topic readings as a unit)

Schedule of Readings:

Week 1: (120 pp. reading)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 1

Background: Media Theory:

Walter Benjamin, “The Work of Art in the Age of Its Technological Reproducibility” (1939) (35 pp.)

Vannevar Bush, “As We May Think” (esp. sections 6–8) (1945) (25 pp.)

Marshall McLuhan, *Understanding Media: Introduction*, Chaps. 1–2. (1964) (30 pp.)

Friedrich Kittler, “The History of Communication Media” (1996) (20 pp.)

Week 2: (100 pp. reading)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 2–3

Background: Media Theory 2:

N. Katherine Hayles and Jessica Pressman eds., *Comparative Textual Media: Intro*, Raley, Kirschenbaum (2013) (70 pp.)

Bethany Nowviskie, “Resistance in the Materials” (2013) (10 pp.)

Week 3: (115 pp. reading)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 4–5

Digital Humanities:

N. Katherine Hayles, “How We Read: Close, Hyper, Machine” (2010) (17 pp.)

Lisa Spiro, “Getting Started in Digital Humanities” (2012) (8 pp.)

Alan Liu, “The Meaning of the Digital Humanities.” (2013) (15 pp.)

Wendy Hui Kyong Chun and Lisa Marie Rhody, “Working the Digital Humanities: Uncovering Shadows between the Dark and the Light” (2014) (22 pp.)

Bethany Nowviskie, “Digital Humanities in the Anthropocene” (2014) (20 pp.)

Week 4: (115 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 6

Digitization 1:

Jerome McGann, “The Rationale of Hypertext” (1995) (30 pp.)

Martha Nell Smith, “Democratizing Knowledge” (2005) (7 pp.)

Ken Price, “Edition, Project, Database, Archive, Thematic Research Collection: What’s in a Name?” (2009) (10 pp.)

<https://williamjturkel.net/2011/02/22/backup-and-versioning/> (2011) (2 pp.)

<https://williamjturkel.net/2011/02/27/make-everything-digital/> (2011) (2 pp.)

<https://williamjturkel.net/2013/07/06/doing-ocr-using-command-line-tools-in-linux/> (2013) (7 pp.)

<https://williamjturkel.net/2013/08/24/working-with-pdfs-using-command-line-tools-in-linux/> (2013) (7 pp.)

Sarah Werner, “Where Material Book Culture Meets Digital Humanities” (2012) (7 pp.)

Amy E. Earhart, “Can Information Be Unfettered? Race and the New Digital Humanities Canon” (2012) (13 pp.)

Week 5: (95 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 7–9

Digitization 2:

Susan Schreibman, “Digital Scholarly Editing” (2013) (20 pp.)

Melissa Terras, “Digitisation’s Most Wanted” (2014) (10 pp.)

Lara Putnam, “The Transnational and the Text-Searchable: Digitized Sources and the Shadows They Cast” (2016) (25 pp.)

James Somers, “Torching the Modern-Day Library of Alexandria” (2017) (20 pp.)

Week 6: (75 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 10

Data:

Michael Witmore, “Text: A Massively Addressable Object” (2010) (5 pp.)

Trevor Owens, “Defining Data for Humanists: Text, Artifact, Information or Evidence?” (2012) (4 pp.)

Lisa Gitelman ed., *Raw Data is an Oxymoron*, Introduction (2013) (15 pp.)

Fred Gibbs and Trevor Owens, “Hermeneutics of Data and Historical Writing” (2013) (14 pp.)

Christof Schöch, “Big? Smart? Clean? Messy? Data in the Humanities” (2013) (18 pp.)

Week 7: (115 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 11

Text:

Gregory Crane, "What Do You Do with a Million Books?" (2006) (11 pp.)

Stephen Ramsay, "The Hermeneutics of Screwing Around; or What You Do with a Million Books" (2010) (9 pp.)

Lisa M. Rhody, "Topic Modeling and Figurative Language" (2012) (27 pp.)

Ted Underwood, "Topic Modeling Made Just Simple Enough" (2012) (7 pp.)

"We Don't Already Understand the Broad Outlines of Literary History" (2013) (10 pp.)

Matthew L. Jockers, *Macroanalysis: Part I* (2013) (30 pp.)

Week 8: (100 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 12

Visualization:

Edward Tufte, *Envisioning Information* (1990) (selections) (25 pp.)

Lev Manovitch, "What Is Visualization?" (2010) (20 pp.)

Johanna Drucker "Humanities Approaches to Graphical Display" (2011) (14 pp.)

Jen Jack Gieseeking, "Opaque is Being Polite: On Algorithms, Violence, & Awesomeness in Data Visualization" (2013) (3 pp.)

John Theibault "Visualizations and Historical Arguments" (2013) (15 pp.)

Catherine D'Ignazio and Lauren F. Klein, "Feminist Data Visualization" (5 pp.) (2016)

Week 9: (85 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Chap. 13

Networks:

Shin-Kap Han, "The Other Ride of Paul Revere" (2009) (20 pp.)

Elijah Meeks, "More Networks in the Humanities, or Did Books have DNA?" (2011) (5 pp.)

Scott Weingart, "Demystifying Networks, Parts I & II" (2012) (20 pp.)

Week 10: (85 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Catch Up / Application

Maps:

Richard White, "What is Spatial History?" (2010) (10 pp.)

David J. Bodenhamer, *The Spatial Humanities*, "The Potential of Spatial Humanities" (2010) (15 pp.)

Ian Gregory, *The Spatial Humanities*, "Exploiting Time and Space: A Challenge for GIS in the Digital Humanities" (20 pp.)

Jo Guldi, “What Is the Spatial Turn?” (2011) (3 pp.)
Matthew Wilkens, “The Geographic Imagination of Civil War-Era American Fiction” (2013) (37 pp.)
Orbis Project, Stanford.

Week 11: (40 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Catch Up / Application

Politics:

Tara McPherson, “Why Are the Digital Humanities So White? or Thinking the Histories of Race and Computation” (2012) (25 pp.)
Miriam Posner, “What’s Next: The Radical, Unrealized Potential of Digital Humanities” (2015) (14 pp.)

Week 12: (40 pp.)

R:

Matt Jockers, *Text Analysis with R...*, Catch Up / Application

Pedagogy:

Mark Sample, “What’s Wrong with Writing Essays” (2009) (2 pp.)
“Building and Sharing (When You’re Supposed to Be Teaching)” (2012) (5 pp.)
Stephen Brier, “Where’s the Pedagogy? The Role of Teaching and Learning in the Digital Humanities” (2012) (13 pp.)
Jentery Sayers, “Tinker-Centric Pedagogy in Literature and Language Classrooms” (2011) (16 pp.)
“Creative Humanities? Built Humanities?” (2013) (4 pp.)
Ryan Cordell, “How Not to Teach Digital Humanities” (2016) (20 pp.)
UVic’s MakerLab

Week 13:

R:

Matt Jockers, *Text Analysis with R...*, Catch Up / Application

Image:

<http://photogrammar.yale.edu/>
<http://invisibleaustralians.org/>
https://people.eecs.berkeley.edu/~shiry/publications/Ginosar15_Yearbooks.pdf
<https://www.economist.com/science-and-technology/2017/09/09/advances-in-ai-are-used-to-spot-signs-of-sexuality> (2017) (4 pp.)
<https://www.nytimes.com/2017/08/14/arts/design/google-how-ai-creates-new-music-and-new-artists-project-magenta.html> (2017)
https://www.nytimes.com/2016/12/14/magazine/the-great-ai-awakening.html?mcubz=3&_r=0 (2016)