The Idea is Staggering

An Introduction to Digital Text Analysis

Hannah Alpert-Abrams
University of Texas at Austin

Overview What is digital textual analysis?

Critical Digital Studies

Cultural Analytics

Applications for academic work

""... la verdad, cuya madre es la historia, émula del tiempo, depósito de las acciones, testigo de lo pasado, ejemplo y aviso de lo presente, advertencia de lo por venir."

La historia, madre de la verdad; la idea es asombrosa."

-- Jorge Luis Borges
Pierre Menard, Autor del Quijote

Texts change as they enter new historical contexts.

Borges:

"La historia, madre de la verdad; la idea es asombrosa."

Andrew Hurley:

"History, the mother of truth!—the idea is staggering."

Norman Thomas de Giovanni:

"History, the 'mother' of truth; the idea is breathtaking."

James E. Irby:

"History, the mother of truth: the idea is astounding."

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Borges:

"La historia, madre de la verdad; la idea es asombrosa."

Andrew Hurley:

"History, the mother of truth!—the idea is staggering."

Automatic Transcription (OCR):

"history, the mother of truth!-the idea is easierino"

Google Translate:

"History, mother of truth; The idea is amazing."

Critical digital studies:

Texts change as they enter new digital contexts.

Critical Digital Studies

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Word Counts

This corpus has:

15 documents
42,082 total words
7,597 unique word forms

Most frequent words in the corpus:

man (117); time (91); book (62); men (62); secret (52)

created using Voyant Tools with texts from *Ficciones*

Cultural Analytics:

Word Counts

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Lemmatization?

Translation?

Masculinity?

created using Voyant Tools with texts from *Ficciones*

Cultural Analytics:

Word Count Analytics (Voyant Tools)

Document Length:

Longest: Tlön Uqbar Orbis Tertius 5,927

Shortest: Theme of the Traitor and Hero 1,211

Vocabulary Density:

Highest: Theme of the Traitor and Hero 0.457

Lowest: Tlön Uqbar Orbis Tertius 0.320

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Cultural Analytics:

Topic Modeling:

Each topic is a probability distribution over words

god secret order chance runeberg hladík judas part company act man told moon labyrinth garden read back hand light ts'ui dahlmann thought day lonnrot house voice time face felt room men man time years words night nights place made days book books library tlön work volume quixote don pages menard

created using Mallet with texts from Ficciones

Cultural Analytics:

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Cultural Analytics: Digitization enables new ways of analyzing texts.

Topic Modeling:

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O god secret order chance runeberg hladík judas part company act

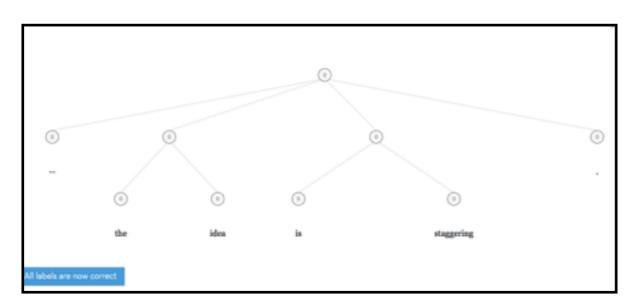
The Company (as it had begun to be called by then) had to protect the interests of the winners, who could not collect their winnings if there was lacking in the coffers the almost entire sum of the fines.

-The Lottery in Babylon

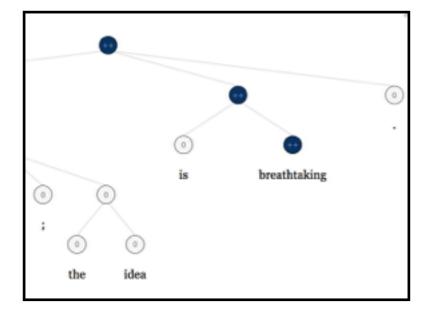
created using Mallet with texts from Ficciones

Cultural Analytics:

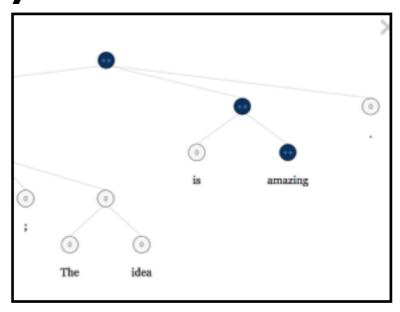
Sentiment Analysis



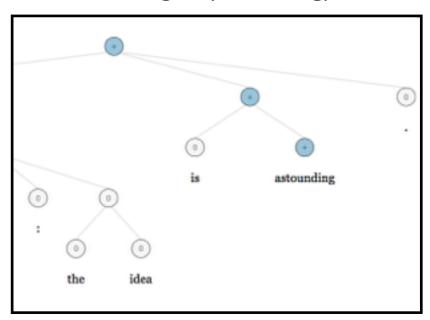
Hurley (Staggering)



Giovanni (Breathtaking)



Google (Amazing)



Irby (Astounding)

Cultural Analytics:

Overview

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Critical Digital Studies

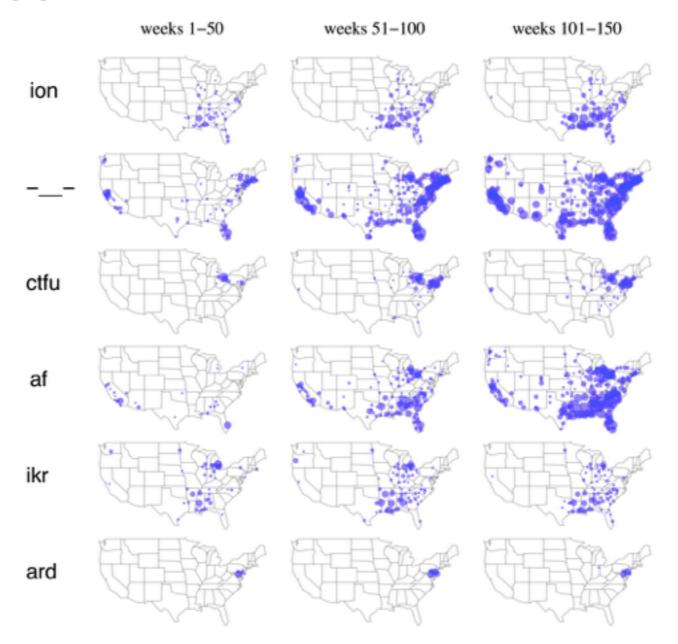
Cultural Analytics

Applications for academic work.



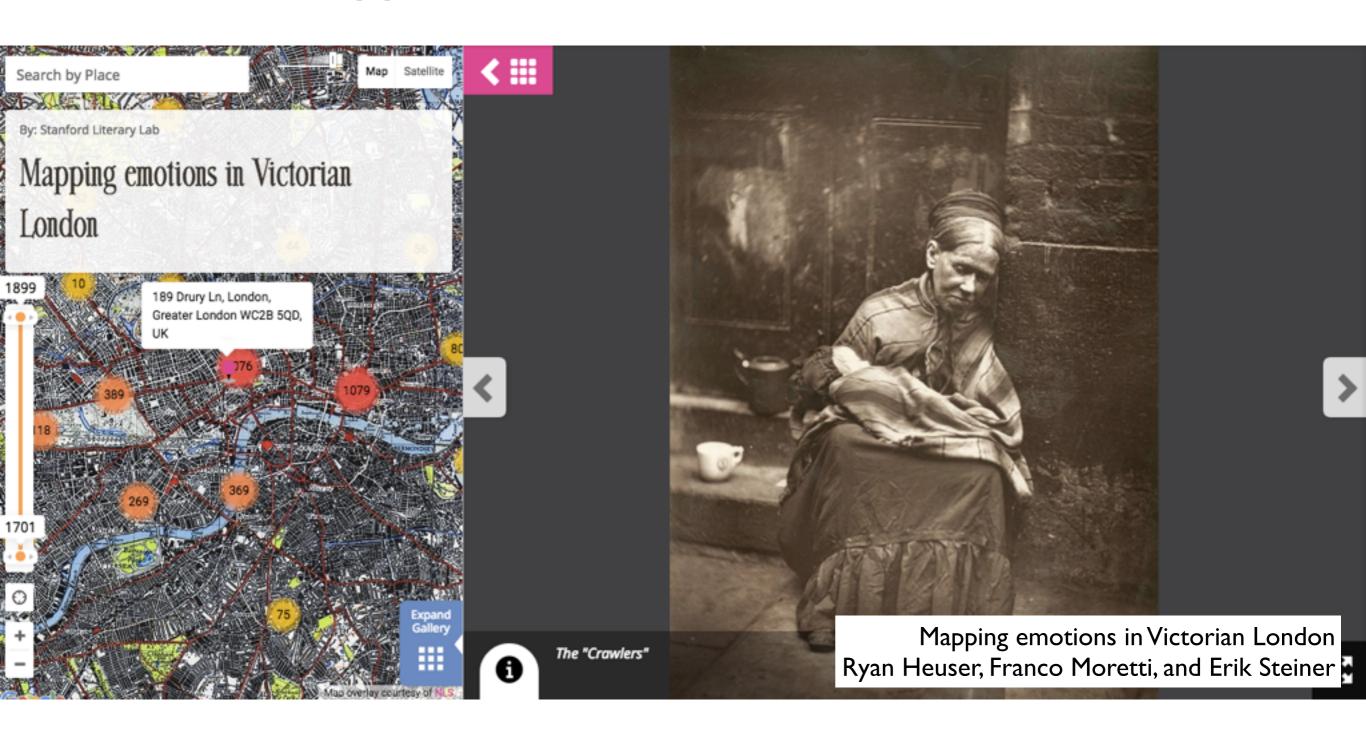
Digitizing the 'Sound Explosions' of Anglophone Caribbean Performance Poetry Janet Neigh

"By using social media to augment their performance events, the 2 Cents Movement intercepts [the] logic of accumulation by bringing users into the dynamic of total expression."



Diffusion of Lexical Change in Social Media Jacob Eisenstein, Brendan O'Connor, Noah A. Smith, and Eric P. Xing

"Rather than moving towards a single unified "netspeak" dialect, language evolution in computer-mediated communication reproduces existing fault lines in spoken American English."



"We discovered a striking discrepancy between real and fictional geography, while also sketching the first lineaments for a future "semantics of space.""



The Reading the First Books Project sites.utexas.edu/firstbooks

"¶ Q¿nid dicendum de Ocnamacaque. f. de las pufqueras, o taberneros, qui vendunt vinum indorum, indis, quod dicitur Octli .&. etiam de iis qui eis venduntvr no verum Hif

1 Quid dicendum de Ocnamacaque. s. de las pulqueras, o taberneros, qui vendunt vi-27 num Indorum, Indis, quod dicitur Octli:& etiam de ijs qui eis vendunt vinū verum His

Replication is sensitive to historical context.

recebida a noua com as mesmas demostrações, & aluoroço

Diplomatic.: recebida a nova com as mesmas demostrações, & aluoroço Normalized: recebida a nova com as mesmas demonstrações, & alvoroço

Replication is sensitive to modern expectations.

"...la verdad, cuya madre es la hiftoria emula del tiepo, depofito de las acciones, teftigo de lo paffado, exemplo, y auifso de lo prefente, aduertencia de lo por venir."

-- Miguel de CervantesI 605 Imprint (Quijote interactivo)

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Texts transform as they replicate.

Conclusion

Digital textual studies allows us to:

Think critically about the digital age.

Use digitization to think critically about language and text.