

Voyant Tools

Alyssa and Daniel



see through your text

Outline

- Basic overview of Voyant
- Voyant Comparison of Corporuses
- Additional Voyant Tools
- Voyant vs Topic Modelling
- What Questions can Voyant answer?

Basic Overview of Voyant

- What is Voyant?
- How to use Voyant?

Voyant Demo

Sample Corpus of Mississippi Slave Ads:

[http://voyant-tools.org/?
corpus=1393265199753.9333](http://voyant-tools.org/?corpus=1393265199753.9333)



Summary

- There is **1 document** in this corpus with a total of **80,160 words** and **4,628 unique words**.
- Most **frequent words** in the corpus: **the** (3,280), **of** (2,867), **and** (2,402), **a** (2,081), **to** (1,615), **More...**

Words in the Entire Corpus

Corpus Reader

1) Arkansas Runaway Slaves.docx

Arkansas Runaway Slaves: 1820-1865

S. Charles Bolton University of Arkansas-Little Rock (February 2013)1

1820

20 July 1820 Arkansas Gazette (September 9, 1820) 30 Dollars Reward Ran away from the subscriber, near St. Francisville, on the 11 of June last, a Negro Man, named PHILL, he is of a light complexion; broad flat nose and large mouth, lips turning out; about five feet 10 inches high, speaks free, and rather through the nose; he can read print, and has a bible and psalm book with him; he took with him two silver and one gilt watch, the latter an old one; he also has a free paper, in which he is called John Winson; and has some ruffled shirts marked "J. Miller", which he carried in a knapsack. A reward of 20 dollars will be given, if confined in any jail so that I can get him again; or the above reward, with reasonable charges, if brought home. BARTLETT COLLINS Parish of E. Feliciana. Lou.

th

4 November 1820 Arkansas Gazette (January 6, 1821) \$150 Reward Ran away from my plantation, Lincoln county, Tennessee, on the first day of August last, a Negro man named JACK. He is about 6 feet high, a dark mulatto, broad shoulders, rather inclined to be round, high cheek bones, thin jawed, thin lips, large hands and feet, and rather an impediment in his speech, dejected countenance when spoken to, and very fond of spirituous liquors, a large scar on his breast, on the left side, and under the left nipple, and has been passing by the name of DAVE; he is a tolerable good shoemaker, and an excellent hand at the whip-saw. Any person apprehending said fellow and confining him in any jail in Tennessee or Kentucky, shall have the above reward, or one hundred dollars, if confined to any jail in the United States, so that I get him again; or the above reward for the delivery of said fellow to me, at Bradshaws Creek, Giles county, Tennessee, with common expenses. Any person taking up said Negro, will direct their letters to Pulaski, Giles county, Tennessee. JOHN HOLCOMB November 4, 1820.

The editors of the following newspapers will please insert this advertisement six times in their papers, and forward their papers to the Editor of the Nashville Whig, to whom, or to their or the money will be paid according to their usual terms of advertising viz:



1) Arkansas Runaway Slaves.docx

Arkansas Runaway Slaves: 1820-1865

S. Charles Bolton University of Arkansas-Little Rock (February 2013)¹

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20 July 1820 Arkansas Gazette (September 9, 1820) 30 Dollars Reward Ran away from the subscriber, near St. Francisville, on the 11 of June last, a Negro Man, named PHILL, he is of a light complexion; broad flat nose and large mouth, lips turning out; about five feet 10 inches high, speaks free, and rather through the nose; he can read print, and has a bible and psalm book with him; he took with him two silver and one gilt watch, the latter an old one; he also has a free paper, in which he is called John

A reward of 20 dollars will be given, if he is brought home. BARTLETT

Options

Tip: Hover over the labels to see more information about each item.

Stop Words List:

English (Taporware)

Edit Stop Words

☒ Apply Stop Words Globally

Search:

English (Taporware)

French (Veronis)

German

Hungarian

Italian

Multilingual

Norwegian

Spanish

Swedish (shorter)

Swedish (longer)

OK

Cancel

Defaults

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- There is 1 document in this corpus with a total of 80,160 words and 4,628 unique words.
- Most frequent words in the corpus: the (3,280), of (2,867), and (2,402), a (2,081), to (1,615). More...

to be round
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plantation, Lincoln county, Tennessee, a mulatto, broad shoulders, rather inclined to be round, thin lips, large hands and feet, and rather an impediment in his speech, dejected and fond of spirituous liquors, a large scar on his breast, on the left side, and under the left eye of DAVE; he is a tolerable good shoemaker, and an excellent hand at the whip-saw. and confining him in any jail in Tennessee or Kentucky, shall have the above reward, or one hundred dollars in the United States, so that I get him again; or the above reward for the delivery of said Negro in the county, Tennessee, with common expenses. Any person taking up said Negro, will direct him to the Editor of the Nashville Whig, to whom, or to their agent, the money will be paid according to their usual terms of advertising via

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- Most frequent words in the corpus: negro (919), arkansas (765), county (759), years (724), said (585). More...

Words in the Entire Corpus

Frequencies	Count ▾	Trend
negro	919	
arkansas	765	
county	759	
years	724	
said	585	
feet	575	

Arkansas Runaway Slaves: 1820-1865

S. Charles Bolton University of Arkansas-Little Rock (February 2013)1

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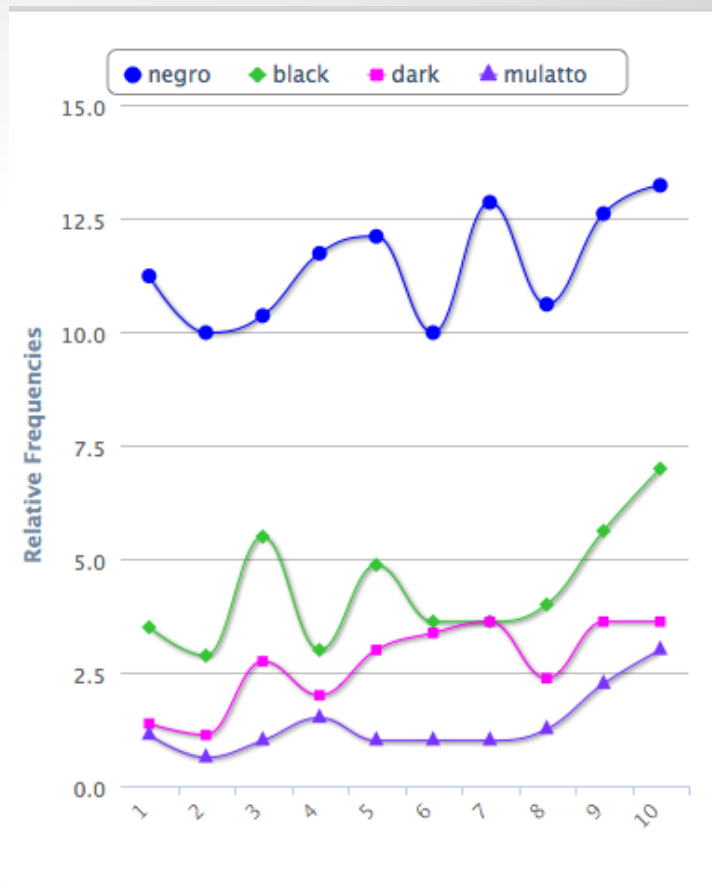
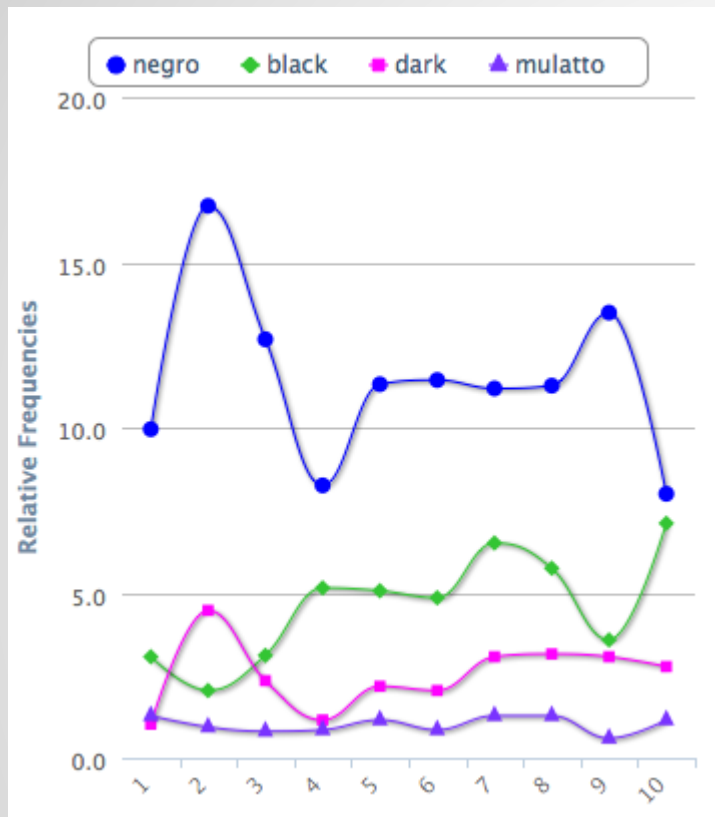
4 November 1820 Arkansas Gazette (January 6, 1821) \$150 Reward Ran away from my plantation, Lincoln county, Tennessee, on the first day of August last, a Negro man named JACK. He is about 6 feet high, a dark mulatto, broad shoulders, rather inclined to be round, high cheek bones, thin jawed, thin lips, large hands and feet, and rather an impediment in his speech, dejected countenance when spoken to, and very fond of spirituous liquors, a large scar on his breast, on the left side, and under the left nipple, and has been passing by the name of DAVE; he is a tolerable good

 Corpus

No results to display.

Keywords in Context

Words in Documents



Mississippi vs

Arkansas

Applying Voyant to Runaway Slave Ads

- Uploaded advertisements from Arkansas (1820-1865) and Mississippi (1800-1860)

The screenshot displays the website for The Aquila Digital Community at The University of Southern Mississippi. The header includes the university's logo and the text 'THE AQUILA DIGITAL COMMUNITY' with a definition of 'AQ'UI-LA, (ákwəla) n. [L.] Constellation of the Eagle'. A navigation bar contains links for Home, About, FAQ, and My Account, along with the tagline 'A Showcase of Scholarship, Research, and Creativity at The University of Southern Mississippi'. The main content area features a search bar with the text 'Enter search terms:' and a 'Search' button, a dropdown menu for 'in this series', and links for 'Advanced Search' and 'Notify me via email or RSS'. Below this is a 'Browse' section with links for 'Collections', 'Subjects', and 'Authors'. The central focus is the 'DOCUMENTING RUNAWAY SLAVES' title in large, bold, black letters, flanked by illustrations of a runaway slave and a slave chain. Below the title, a 'Datasets' section lists four entries, each with a PDF icon and a link to the dataset: 'Arkansas Runaway Slaves: 1820-1865, S. Charles Bolton', 'Jamaica Runaway Slaves: 18th Century, Douglas B. Chambers', 'Jamaica Runaway Slaves: 19th Century, Douglas B. Chambers', and 'Mississippi Runaway Slaves: 1800-1860, Douglas B. Chambers and Max Grivno'.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

AQ'UI-LA, (ákwəla) n.
[L.] Constellation of the Eagle

THE AQUILA DIGITAL COMMUNITY

Home About FAQ My Account A Showcase of Scholarship, Research, and Creativity at The University of Southern Mississippi

Enter search terms:
 Search
in this series
Advanced Search
Notify me via email or RSS

Browse
Collections
Subjects
Authors

Home > Research Projects > Documenting Runaway Slaves

**DOCUMENTING
RUNAWAY
SLAVES**

Datasets

- [PDF](#) [Arkansas Runaway Slaves: 1820-1865, S. Charles Bolton](#)
- [PDF](#) [Jamaica Runaway Slaves: 18th Century, Douglas B. Chambers](#)
- [PDF](#) [Jamaica Runaway Slaves: 19th Century, Douglas B. Chambers](#)
- [PDF](#) [Mississippi Runaway Slaves: 1800-1860, Douglas B. Chambers and Max Grivno](#)

How to Split a Corpus?

1. A single document of all advertisements
 2. Split by time units (in this case, decades)
 3. Split by individual ad (with the help of Dr. McDaniel's walk-through of Regular Expressions)
 4. Split by geographical location (AR vs MS)
- Choice about how to split depends on what you want to track/compare.



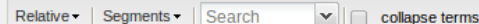
- Words in the Entire Corpus

1) Arkansas Runaway Slaves- 1820-1865.docx

30 Dollars Reward

an old one, he also has a free paper in which he is called John Wincon.

 **Corpus**



	Left	Keyword	Right
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Page 1 of 9 Context Preview »

Words in Documents

Entire Arkansas corpus



- Words in the Entire Corpus

1) 1820s

Corpus



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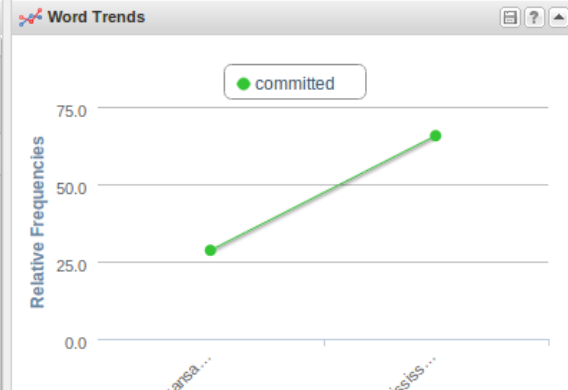
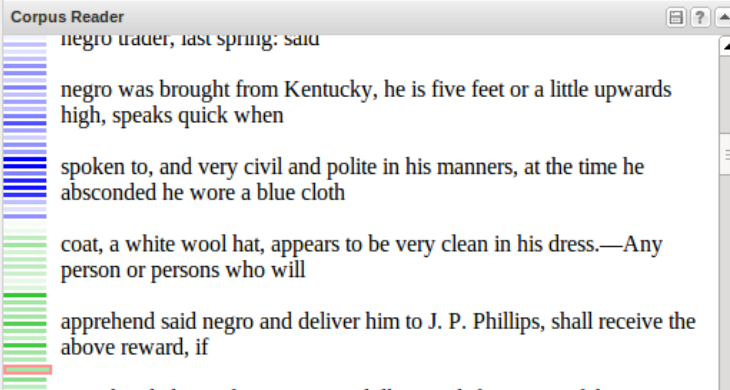
Page 1 of 1 Context Preview >>

Words in Documents



-





and lodged in jail, fifteen

- and lodged in jail, fifteen dollars, and all reasonable expenses will be paid.
- JOHN ADAMS
- Vicksburg.
- 28 January 1834
- The Vicksburg Register (January 29, 1834)
- Runaways.

Corpus [Icons]

Voyant Tools, Stéfan Sinclair & Geoffrey Rockwell (©2014) Privacy v. 1.0 beta (4626)

Comparison of Arkansas, 1820-1865, and Mississippi, 1800-1860

Applying Voyant to Texas Ads

- Comparing Arkansas, Mississippi, and Texas ads for 1837
- Transcribed *Telegraph and Texas Register* ads from the Portal to Texas History
- Limitation of Voyant (for our project)

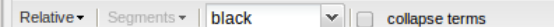


- Words in the Entire Corpus

1) Arkansas 1837.docx

◀ ▶ 🔍 ▼

Corpus



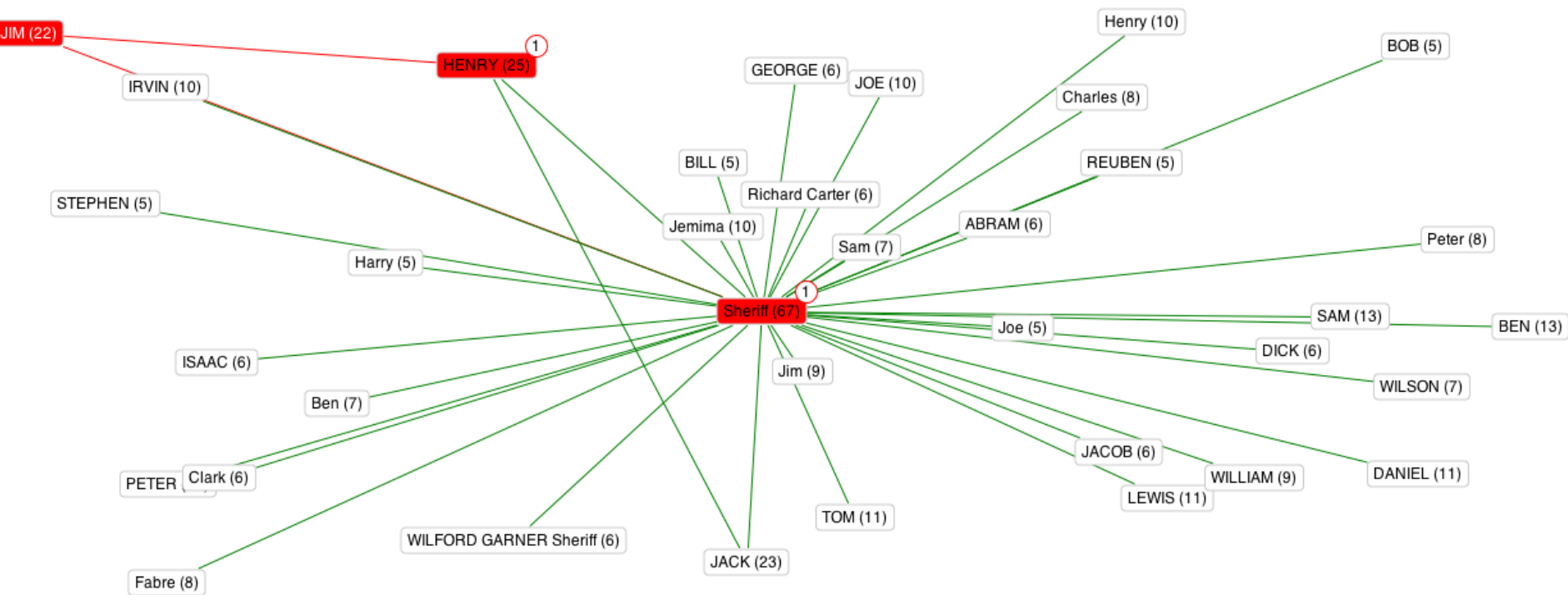
Keywords in Context

Page 1 of 4 Context Preview >>

Words in Documents

Additional Voyant Tools

<http://docs.voyant-tools.org/tools/>



RezVis at Work

Voyant vs. Topic Modelling

- How does Voyant compare to Mallet? (a tool we are all familiar with)
- Different approaches to text analysis

```
alyssa@aras-laptop: ~/Downloads/mallet-2.0.7
nce
2      5      negro jail made man november newad mr stout living mississippi m
arch miles river built january henry clothing helena master
3      5      years complexion scar left aged small woman james dark wife back
information george girl side time securing possession slaves
4      5      dollars state large fifty good hundred gazette fellow delivered
hair countenance free stolen secured yellow eyes tolerably face brought
5      5      arkansas boy county day negro age june chicot notice sic john de
cember william phillips orleans state marks columbia johnson
6      5      white black high inches coat left hat pantaloons cotton shirt pa
ir feet blue pants sic dark cloth jeans coarse
7      5      sheriff county committed runaway pay belongs negro property owne
r law charges forward jail prove slave dealt jailor requested custody
8      5      feet high inches years black age negroes st supposed men heavy t
en speaks undersigned nation june set yellow francis
9      5      gazette man county arkansas negro july rock newad twenty high ap
ril age place jefferson wm light make scars front

<1000> LL/token: -7.07564

Total time: 12 seconds
alyssa@aras-laptop:~/Downloads/mallet-2.0.7$ ./bin/mallet train-topics --input a
rk.mallet --num-topics 10 --output-state topic-state.gz --output-topic-keys ark2
_keys.txt --output-doc-topics ark2_composition.txt
```

0 5 newad feet october color washington years weighs inst september august
pounds telegraph ranaway copper lbs dark inches negro mulatto
1 5 reward named subscriber ran arkansas give delivery apprehension spoken
february person paid night mulatto quick reasonable teeth expenses residence
2 5 negro jail man made november mr newad stout living mississippi march
miles river built henry january clothing helena master
3 5 years complexion scar aged left small woman james dark wife back
information george girl january side time possession securing
4 5 dollars state gazette large fifty good hundred fellow delivered yellow
hair countenance free stolen secured eyes tolerably face brought
5 5 arkansas boy county day negro age june chicot notice john december sic
phillips orleans william marks columbia johnson hand
6 5 white black inches high left coat hat pantaloons feet cotton shirt sic
pair blue dark pants cloth jeans brown
7 5 county sheriff committed runaway negro pay belongs property owner jail
law charges forward prove slave dealt jailor requested custody
8 5 feet high inches years black age negroes st supposed men heavy ten
speaks undersigned nation set francis jim charles
9 5 arkansas gazette man county negro july rock twenty newad high april age
place jefferson wm make scars light front

Topic Modelling applied to Arkansas corpus

Questions that Voyant can help us answer

- Are runaway trends in Texas different from other areas of the U.S. (and if so, how)?
- Visualization of runaway ads
- What changes in terminology occurred over time?