

STAT210 (Mining the History of Holyoke) class presentations

May 9, 2023

City of
Holyoke



MASSACHUSETTS



Holyoke Public Library

~ A LIBRARY IN A PARK ~



WISTARIAHURST

EXPLORING THE HISTORY OF HOLYOKE



An Alternate
Way to View
History....
MAY 9TH | 3-4PM

Presented by the students of Amherst College's STAT210 course.
Admission is free, all are welcome

Overview of the class (and plan for today)

Mining History Holyoke

Listed in: **Mathematics and Statistics**, as STAT-210

This course will focus on the use of text analytics to explore the rich history of Holyoke, MA. Holyoke has been a site of rapid industrialization, multiple waves of immigration and migration, urban development, rapid changes in its workforce, and ongoing creativity, activism, and innovation. Students will develop the skills to mine textual data from archives at the Wistariahurst Museum, the Holyoke Public Library, Holyoke Community College, and other repositories to address important questions regarding the development and history of this planned community. Topics include sentiment analysis, regular expressions, document-term-matrices, named entity recognition, and Latent Dirichlet analysis. Requisite:

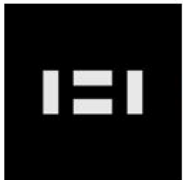


DATA SCIENCE CORPS



WRANGLE • ANALYZE • VISUALIZE

A multi-institution, [NSF-funded](#) data science workforce development project



HOLYOKE
COMMUNITY
COLLEGE
Foundation, Inc.



Thanks to NSF
Grant #1923388

Many thanks:

- DSC-WAV collaborators Ileana Vasu, Nic Schwab, and Eric Carreira
- Amherst College staff and faculty Zoe Jacobs, Frank Couvares, Tim Pinault, Kathy Glista, and Cara Bostrom
- Rachel Powell from Wistariahurst
- Julia Riseman for assistance with scanning and logistics
- The Amherst College Provost Office and the Feldman Fund

Special thanks to
Penni Martorell



WISTARIAHURST



Archives



Special thanks to Eileen Crosby



Holyoke Public Library

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Parsons Paper Company

The Parsons Paper Company was an American pulp and paper company specializing in cotton-based fine writing papers, based in Holyoke, Massachusetts (Wikipedia, see also Constance Green's history of Holyoke).

Founded in 1853 by Joseph C. Parsons, it was the first paper manufacturer in the city.

The company was liquidated in 2005 and the company's primary mill burned in a large fire.



Parsons Paper Company register

253

Received of the PARSONS PAPER COMPANY, by their Agent, the sum prefixed to our Signatures,
being in full of all demands up to February 1st 1867.

NAMES.	No. POUNDS.	No. REAMS.	No. DAYS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
William Johnson			24	$\frac{1}{2}$ $\frac{16}{6}$	67 37		67 37		Wm Johnson
John W. O'Brien			21	$\frac{1}{2}$ $\frac{9}{9}$	34 95	4 67	30 28		Brown & Flood
William Conner			25	$\frac{1}{6}$	68 75	7 25	61 50		William Conner
Martin Kennedy			23	$\frac{9}{9}$	37 38		37 38		Martin Kennedy
James Casey			25	$\frac{1}{2}$ $\frac{12}{-}$	51 00		51		James Casey
Thos Gallivan			25	$\frac{9}{-}$	37 50		37 50		Thos Gallivan
John Vaughan			25	$\frac{12}{-}$	50 00		50		John Vaughan
Pat Boyle			27	$\frac{9}{-}$	40 50		40 50		Pat Boyle
Saml S Knight			27	$\frac{1}{2}$ $\frac{12}{-}$	55 00	7 25	47 75		S.T. Knight
Phillips Silday			28	$\frac{1}{2}$ $\frac{12}{-}$	57 00		57		Phillips Silday
John Couchon			28	$\frac{9}{-}$	56 00	6 25	49 75		John Couchon
Frank Russell			27	$\frac{1}{2}$ $\frac{16}{6}$	48 12	9 00	39 12		Frank Russell

NAMES.

William Johnson

John W. O'Brien

William Connor.

Martin Kennedy

No. DAYS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.
24 ¹ / ₂	16/6	67 37	67 37	67 37
21 ¹ / ₂	9/9	34 95	4 67	30 28
25	16/6	68 75	7 25	61 50
23	9/9	37 38		37 38
25 ¹ / ₂	12/-	51 04		51

SIGNATURES.

Wm Johnson
Brown & Flood

William Leames

Martin & Kennedy

James & Casey
Thos & Gallivan

Parsons Paper Company register and Revenue Stamps

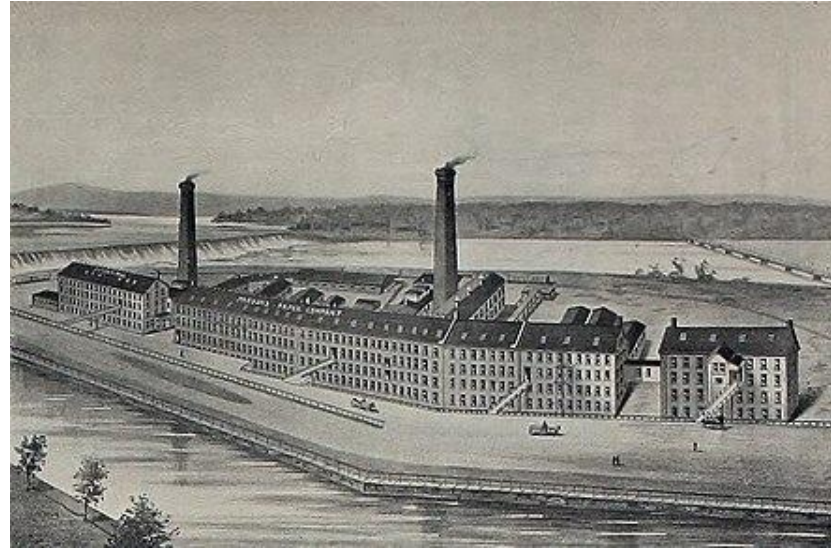
Revenue stamps first appear on page
133 (October 1, 1864)

Some pages were cut out to extract
stamps



Importance of Archival Work: Nahia and Kevin

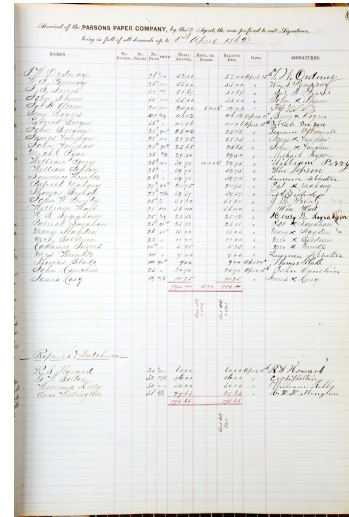
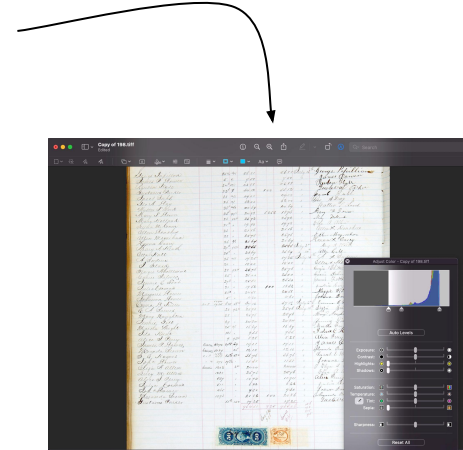
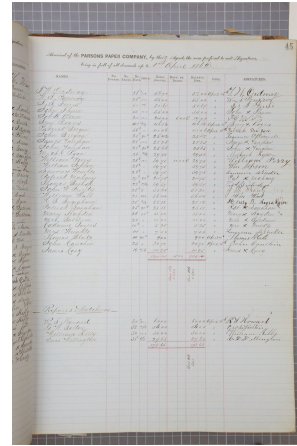
- Holyoke was founded as a company town
- Much of its history (19th, 20th, and 21st) is tied to the paper industry
- These people **ARE part of this history**
- Goal 1: Gain meaningful insights to this time period
- Goal 2: Make this history more accessible
- Digitizing historical archives is very important for preservation and future reference



Parsons Paper Company factory

Example of Digitizing a Page

1. The pages were scanned with a Canon 5d Mark II camera.
2. They were downloaded as CR2 camera file to a `tiff` file
3. The `tiff` files were downloaded and manually cropped and color balanced (see Figure).
4. A `jpeg` file was created for each photo.



Interactive Web App

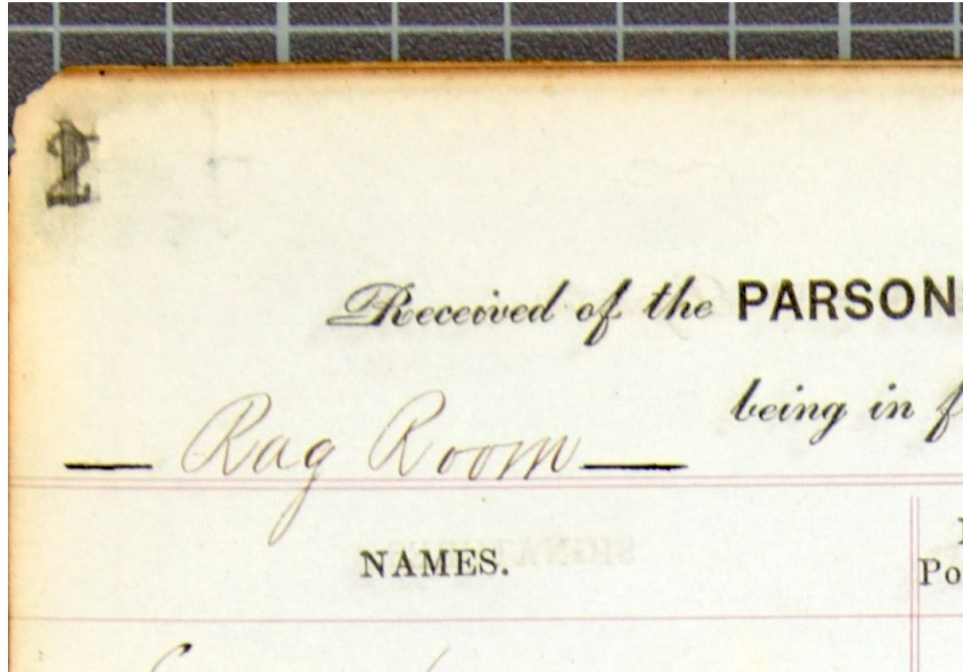
An interactive display can be found at <https://r.amherst.edu/apps/nhorton/Parsons-Paper/>

Parsons Paper Company Payroll Register Exploration About Pages

Image output:

Picture:

- page 000
- page 001
- page 002
- page 003
- page 004
- page 005
- page 006
- page 007
- page 008
- page 009
- page 010
- page 011
- page 012
- page 013
- page 014
- page 015
- page 016
- page 017
- page 018
- page 019
- page 020
- page 021
- page 022
- page 023
- page 024



Scanned images

All of the scans can be found on Google Drive (see

https://github.com/STAT210-S23/Parsons_Paper_Register)

Parsons_Paper_Register

1860's register of the Parsons Paper Company (Holyoke, MA)

Initial scans January 10, 2023 by Nicholas Horton (nhorton@amherst.edu) as part of the STAT210 (Mining the History of Holyoke) class Subsequent scans take on February 21, 2023 for pages 249, 254, 287, 320, 338, 368)

Many thanks to Eileen Crosby (Holyoke Public Library), Tim Pinault (Amherst College), and Zoe Jacobs Feinstein (Amherst College) for their assistance with this project.

Insights from the Parsons Paper Company Register

Anna & Sarah

- Review contents of the register (Jan 1861 - April 1869)
- Discuss employment patterns and types of jobs within the factory
- Present an analysis of wages
 - Parsons Paper Company vs. Paper Industry State Averages
 - Male vs. Female workers
 - Literate vs. Illiterate workers

Insights from the Parsons Paper Company Register

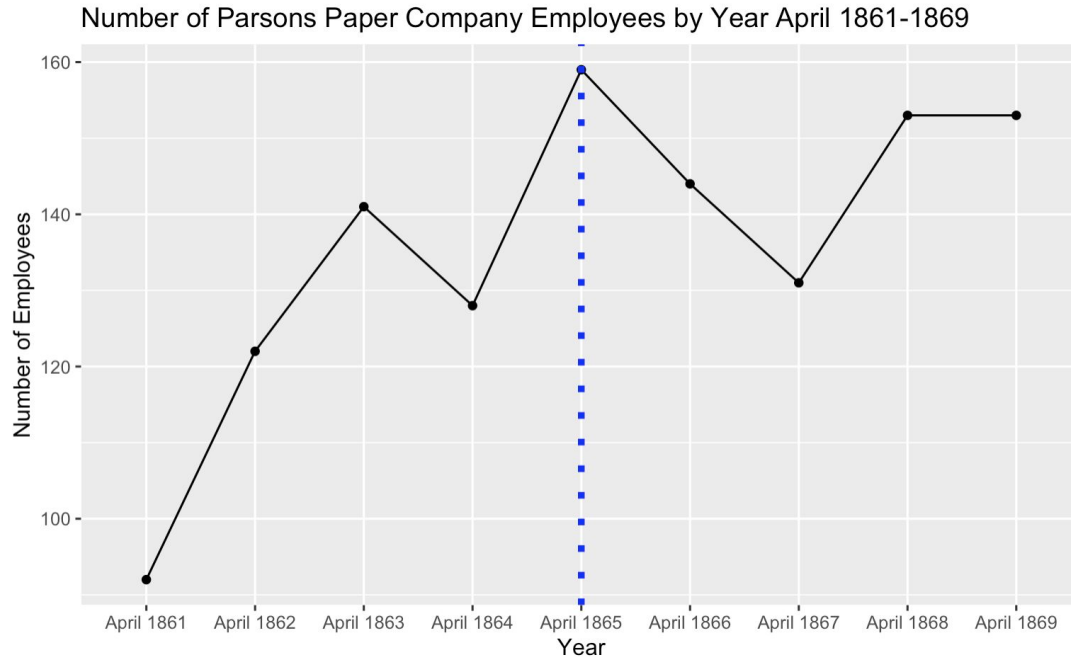
- Parsons was already the largest manufacturer of writing + envelope paper in the U.S. by 1861 (Green 1939)
- Employees were typically paid on the first of each month
- Goal was to explore patterns in employment and wage structure both before and after the civil war
 - Provide insight into the day-to-day operations at Parsons
 - Who did what work, and how were they compensated for it?

253

Received of the PARSONS PAPER COMPANY, by the Agent, the sum paid for to wit: Expenses,
being in full of all demands up to: February 17, 1869.

NAMES	No. PAPER	No. BLANK	No. ENVS	TOTAL PAID	TOTAL AMOUNT	REST. OR PAID	BALANCE	DATE	SIGNATURE
William Johnson	28 1/4			67 37	17 57				Wm Johnson
John Jones	2 1/2			56 25	14 19				John Jones
William Jones	35 1/4			54 78	7 25				William Jones
Thomas Keweenaw	20 1/2			57 18					Thomas Keweenaw
Chas. Halliday	24 1/2			41 04					Chas Halliday
John Sargent	35 1/2			57 50					John Sargent
John P. Wright	37 1/2			64 8					John P Wright
John P. Wright	37 1/2			55 55	7 25				John P Wright
Chas. Halliday	21 1/2			27 00					Chas Halliday
John P. Wright	24 1/2			56 00	1 20				John P Wright
John P. Wright	22 1/2			41 11	9 11				John P Wright
William Jones	12 1/2			25 53					William Jones
William Jones	27 1/2			45 64					William Jones
John P. Wright	24 1/2			17 00					John P Wright
John P. Wright	24 1/2			27 25	6 25				John P Wright
William Jones	26 1/2			54 75					William Jones
John P. Wright	24 1/2			58 25					John P Wright
Chas. Halliday	17 1/2			38 28					Chas Halliday
John P. Wright	27 1/2			48 75	5 00				John P Wright
John P. Wright	31 1/2			62 00					John P Wright
John P. Wright	20 1/2			43 17					John P Wright
John P. Wright	25 1/2			50 64					John P Wright
John P. Wright	24 1/2			46 65	2 00				John P Wright
John P. Wright	27 1/2			48 75	5 00				John P Wright
John P. Wright	1 1/2			9 75	4 75				John P Wright
John P. Wright	23 1/2			43 75	11 50				John P Wright
John P. Wright	27 1/2			48 25					John P Wright
John P. Wright	21 1/2			36 00					John P Wright
John P. Wright	26 1/2			39 75					John P Wright
John P. Wright	18 1/2			35 25					John P Wright
John P. Wright	3 1/2			76					John P Wright
John P. Wright	11 1/2			23 75					John P Wright
John P. Wright	37 1/2			34 57					John P Wright
John P. Wright	2 1/2			57					John P Wright
John P. Wright	24 1/2			25 57					John P Wright
John P. Wright	23 1/2			71 25					John P Wright
John P. Wright	23 1/2			1 00					John P Wright
REPORT OF									
William Jones	26 1/4			71 50					William Jones
John P. Wright	26 1/4			49 50					John P Wright
John P. Wright	25 1/2			47 75					John P Wright
John P. Wright	22 1/2			52 50					John P Wright
John P. Wright	21 1/2			51 00					John P Wright
John P. Wright	27 1/2			67 50					John P Wright
John P. Wright	27 1/2			60 75	4 00				John P Wright

Employment Patterns



*blue line denotes end of Civil War in April 1865, war began in April 1861

- Average of 136 employees per month over 9-year period
- Generally increased each year, especially at end of Civil War: high retention rates
- By the end of 1867, Parsons was producing 800 tons of paper annually



7. Eleanor Thayer, Rag Room Worker. Parsons Paper Company. 1990.

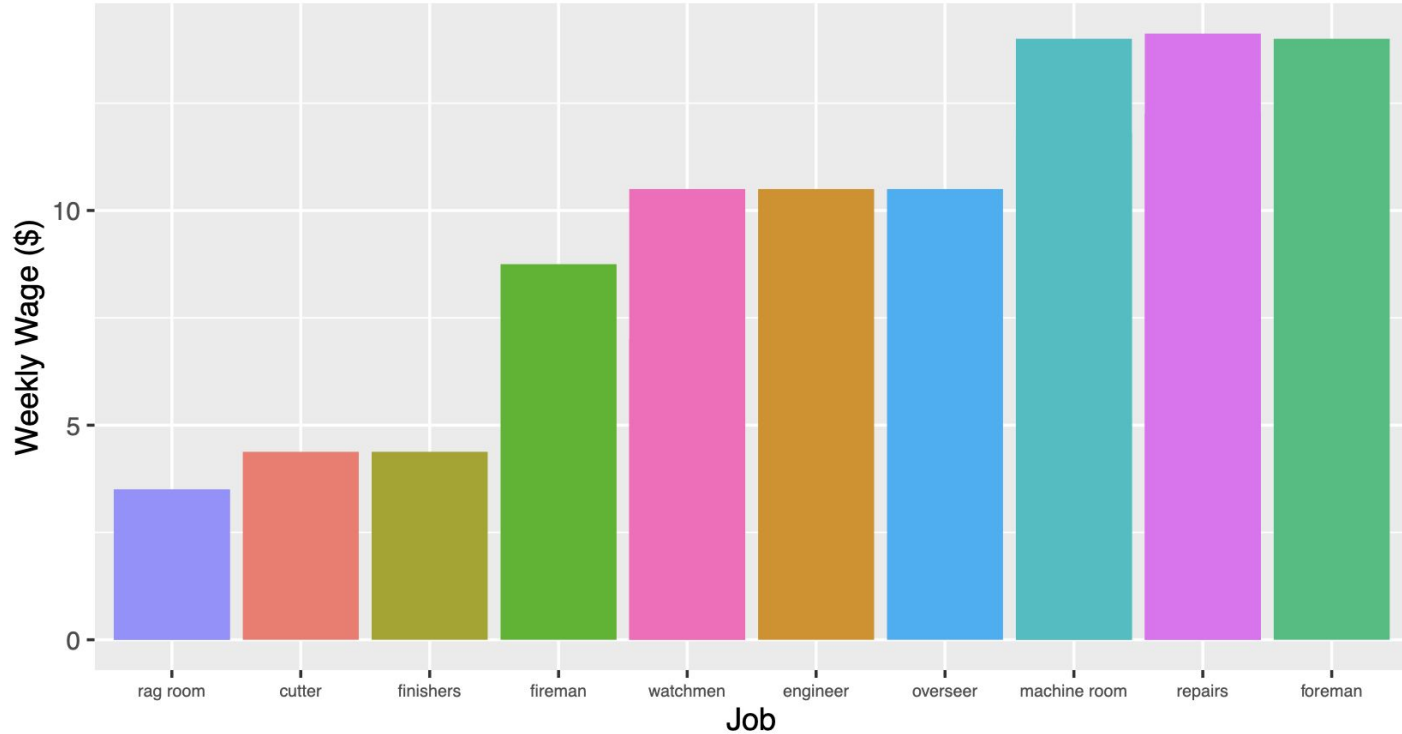


8. Rag Choppers at Parsons Paper Company. 1990.

Faces, Machines, and Voices: The Fading Landscape of Papermaking in Holyoke, Massachusetts (1992)

Analysis of Wages

Weekly Wages of Parsons Paper Company Workers – 1861



Analysis of Wages

*"In 1861, after a period of severe readjustment just prior to the Civil War, twenty- one of the thirty-six manufactures of fine papers met at Pittsfield...to organize a protective association. **They desired to raise prices** which had fallen drastically as the result of a decrease in demand. **They agreed to reduce output** by about one-third for about three months. **This was the first trade association established in the paper industry** of the United States....The Parsons Paper Company and the Carew Manufacturing Company were charter members of this organization"*

— — — — — •

John Hickey, *The Holyoke Area Paper Industry* (1954)

Analysis of Wages

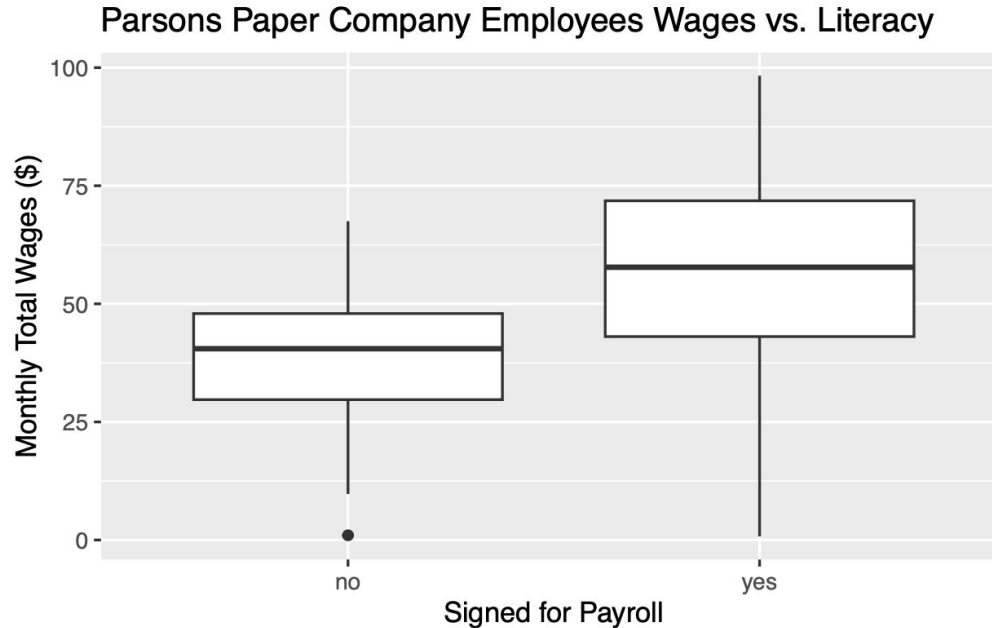
Job	Weekly Wages
repairs	14.12
foreman	14.00
machine room	14.00
repairs	12.25
machine room	11.79
engineer	10.50
overseer	10.50
watchmen	10.50
fireman	8.75
watchmen	7.00
finishers	4.38
cutter	4.38
rag room	3.50
rag room	3.50

Parsons Weekly Wages - 1861 (dollars)

	PAPER.	
Foremen		\$16 63
Millwrights		9 86
Rag-engine tenders		7 90
Paper-machine tenders		10 00
Thresher-women		5 70
Rag-cutters		7 50
Finishers		7 70
Finishers, girls		3 92
Finishers, boys		5 50
Finishers' helpers		5 80
Cutters		6 90
Cutters, girls		3 40
Bleachers		6 70
Rag-sorters		3 27
Men on stock		5 88
Mechanics		9 75
Engineers and firemen		6 64
Laborers		5 50

Average statewide wages for paper roles in 1860 (dollars). Image from the Massachusetts Tenth Annual Report of the Bureau of Statistics of Labor.

Analysis of Wages



This plot shows the distribution of total monthly wages for 44 employees at Parsons Paper Company in Feb. 1867. Literacy is measured by an employee's ability to sign their own name in the payroll. On average, employees who were literate earned higher wages.

The people behind the Parsons Paper Company register

Cam and Lorraine

Ancestry.com info

about the Allen Family

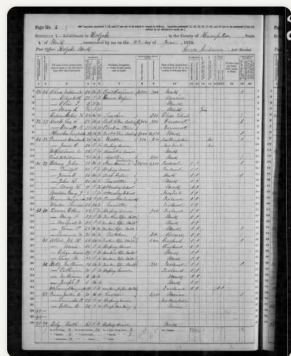
Some worked as finishers

Sarah Campa		22	5/-	1875
Mary Smith		22	6/-	2211
M. Brown.		3430	411	1872
John Dower	35. 1/4	981	8	
Lucy Allen	60. 1/2	1284	49 1/2 58	2868
M. Brown		1072	44	
Margt. Dower		1129	49 1/4	2836
Eliza Allen		686		
E. M. Ford		246	23 2/3	1373
Martha Wright		495		
E. Tomlinson		327	20 1/4	1203
S. Beauregard		1034	2 2	2068
Mary Dower		797	2	1594
Mary Holland		758	2	1516
		1118	2	2216
		902	2	1804
		1515	2	3110
		310	2 2	620
		560	2 1/2 2 1/2	1411

Lucy and Eliza Allen (1841-?) on page 259

Lucy M Allen

in the 1870 United States Federal Census



Detail [Source](#)

Name: Lucy M Allen

Age in 1870: 28

Birth Date: abt 1842

Birthplace: Massachusetts

Dwelling Number: 42

Home in 1870: Holyoke, Hampden, Massachusetts

Race: White

Gender: Female

Post Office: Holyoke

Occupation: Works in Paper Mill

Father of Foreign Birth: Yes

Mother of Foreign Birth: Yes

Inferred Father: [Job H Allen](#)

Inferred Mother: [Anna Allen](#)

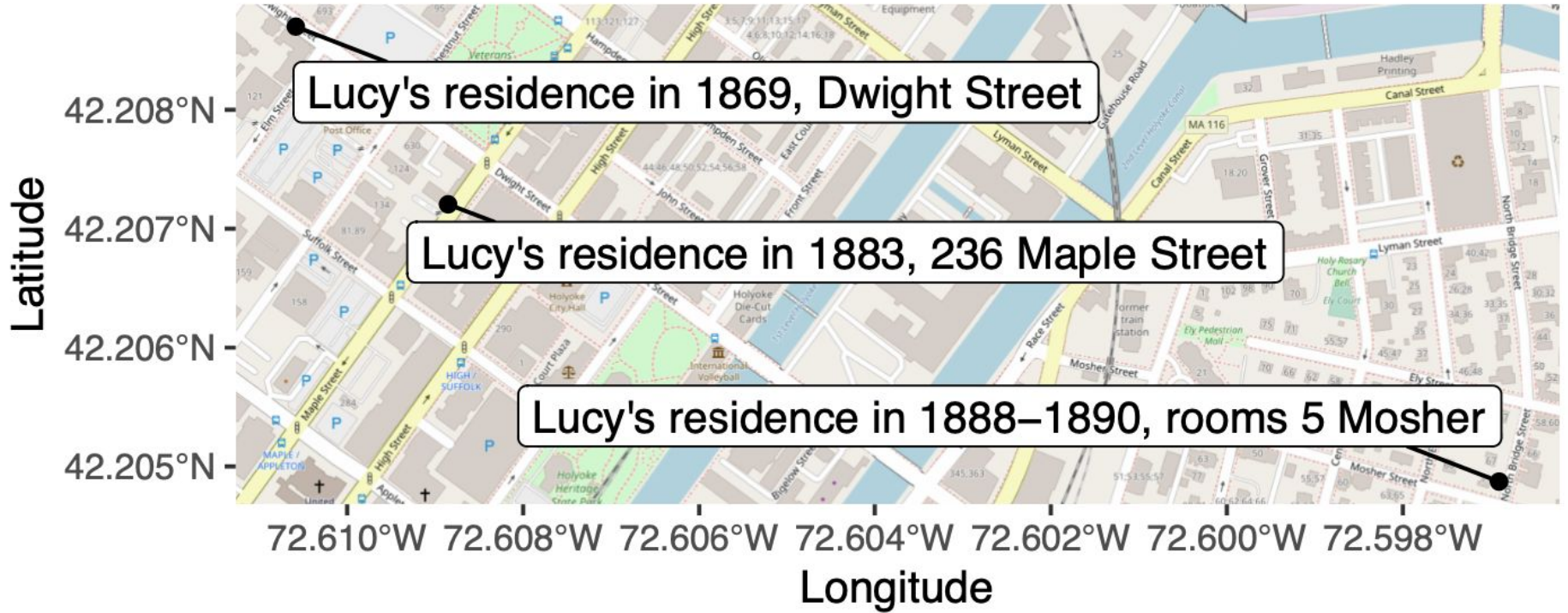
Household Members (Name)	Age
Job H Allen	64
Anna Allen	48
Eliza Ann Allen	29
Lucy M Allen	28

Lucy Allen (1842-1893) Profile on
Ancestry.com

		— Lawrence H	21	M	H	Dutcher	✓	200	Conn.	1	1								1
26	41	Allen Job	64	M	W	works in Paper Mill	✓	500	England	1	1								1
27		— Anna	48	F	W	Keeping House			England	1	1								
28		— Elizer Ann	29	F	W	works in Paper Mill	✓		Mass.	1	1								
29		— Lucy M	28	F	W	works in Paper Mill	✓		Mass.	1	1								
30	42	Relly William	36	M	W	works in Paper Mill	✓	350	Ireland	1	1								1
31		— Catherine	31	F	W	Keeping house			Ireland	1	1								
32		— William	6	M	W				Mass.	1	1								
33		— Joseph J	2	M	W				Mass.	1	1								
34		McDonough Margaret	41	F	W	works in paper mill	✓		Ireland	1	1				1	1			
35	43	Brown Justin E	30	M	W	Grocer	✓	3,500	Maine										1
36		— Lorinda B	59	F	W	Keeping house			New Hampshire										

1870 United States Federal Census Taken From Ancestry.com

Lucy's Places of residence



Segue to end of semester project presentations

Early in the semester, students worked to make the Parsons Paper Company scans accessible.

For the remainder of the semester, they worked on other projects.

But Cam continued to dive into the payroll register...

More Parsons Paper Company payroll register

- Transcribed the names of the employees for over 80
pages of the register
- Recorded more than 500 different people
- Sharing this information with the library so that others
can use it for genealogy purposes or add to it

*F. W. Ordway
Wm. Pomeroy
James S. Ferris
James Divine
William Jopson
Lawrence Wrinkle
William Perry
James M. Burr
Peter Alarr*

Page 1 of the registry

page_number	lastname	firstname
1	Ordway	F.W.
1	Pomeroy	William J.
1	Ferris	James S.
1	Divine	James
1	Jopson	William
1	Wrinkle	Lawrence
1	Perry	William
1	Burr	James M.
1	Alarr	Peter

Beginning of the transcription of page 1

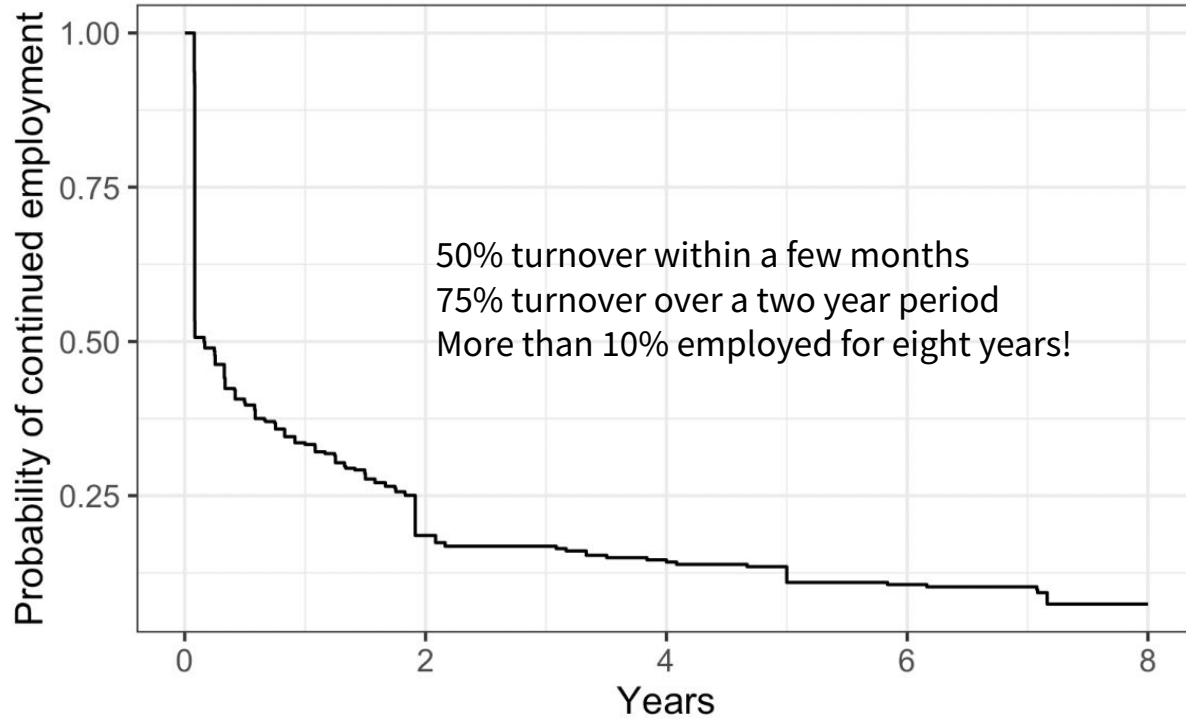
Some of the Things I Found...

- Remember the Allens?

1	Job H. Allen	28
2	Lucy Allen	28
3	Mary Dower	28
4	Michael Ryan	28
5	William J. Pomeroy	28
6	Louisa Emerson	27
7	Patrick Beegin	27
8	William Jofson	27
9	Eliza A. Allen	26
10	John Flynn	26

Top 10 Most Frequent Names

Probability of Continued Employment



Survival Analysis Graph

Genealogical Insights

- Which last names appeared the most?

- Family-members?

1	Dower	10
2	Perry	7
3	Sullivan	7
4	Beegin	6
5	Bolton	6
6	Allen	5
7	Casey	5
8	Doyle	5
9	Lanahan	5
10	Sheehan	5

Top 10 most common last names

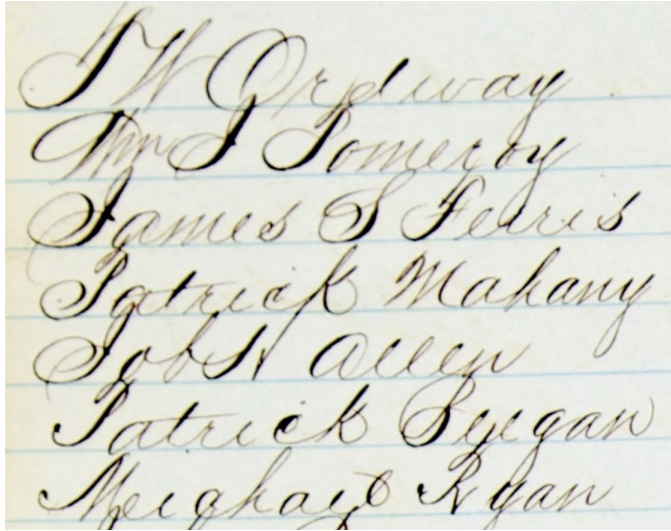
The Dowers

4	1202 1436	Jennette ..	29	f	/	House work	✓								
5	1170 1420	Ellen Dower	47	f	/				200	Ireland					
6		John ..	21	m	/	Paper Mill	✓			Map					
7		Johanna ..	20	f	/		✓								
8		Mary ..	19	f	/		✓								
9		Catharine	17	f	/		✓								
0		Margaret ..	16	f	/		✓								
1		Janus ..	14	m	/									1v	
2		Laurence ..	12	m	/									1v	
	1203 1437														

Dower information from the 1860 census

When Did the Accountants Change?

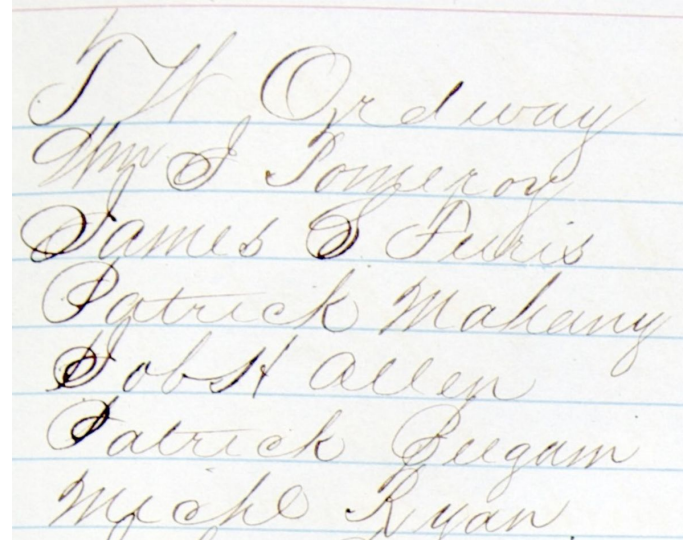
- Handwriting changes on page 97 (1863-10-01)



Handwritten list of names on page 96 (1863-09-01):

- Wm O'Connell
- Wm J. Tomeroy
- James S. Ferris
- Patrick Mahony
- John Allen
- Patrick Ryan
- Michael Ryan

Top of page 96 (1863-09-01)



Handwritten list of names on page 97 (1863-10-01):

- Wm O'Connell
- Wm J. Tomeroy
- James S. Ferris
- Patrick Mahony
- John Allen
- Patrick Ryan
- Michael Ryan

Top of page 97 (1863-10-01)

Kevin: Reverse Directory

- 1905 Holyoke companies first published a “reverse directory”
 - Given address, report who lives there instead of given person report the address
- Convenient in tracking down the history of any given location
- In 2013, the Internet Archive digitized the 1885 Holyoke Directory and provided a `txt` file conversion of the `pdf`
 - ~40,000 Total Lines of text
 - ~10,000 Lines for addresses

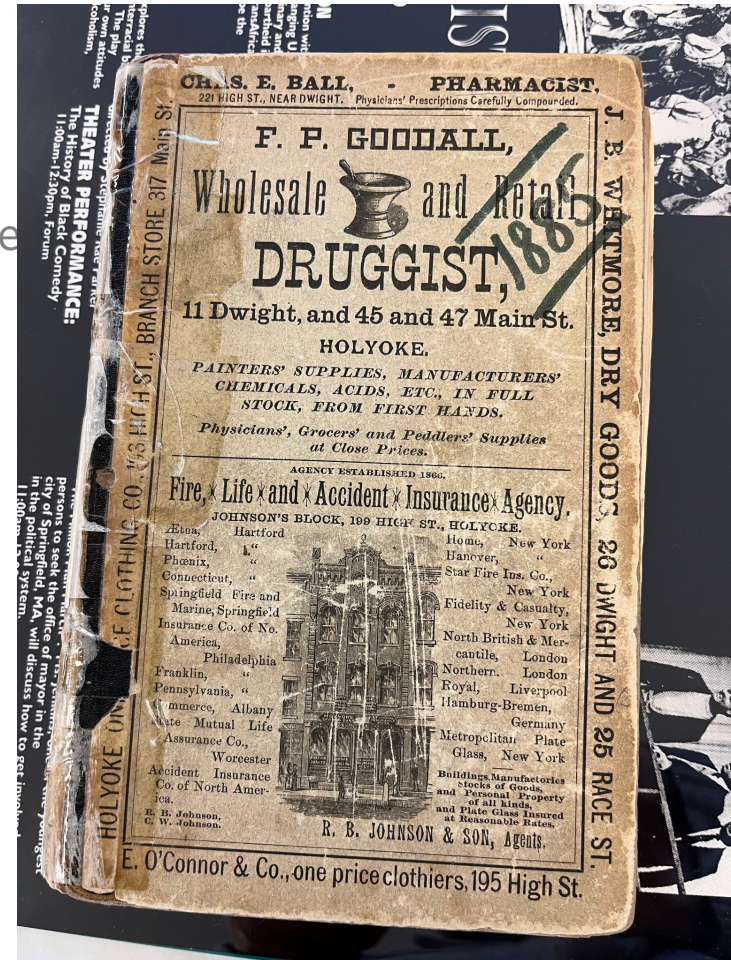


Photo taken by Nicholas Horton

Goals

1. **Clean up** the text file: formatting issues, text corruptions, and other miscellaneous mistakes
2. Automate a process to **Parse** through the strings to collect address information of individuals
 - Many different types of strings, i.e., businesses, removed to other locations, and other personal details
3. **Output** to a CSV/excel file for ease of use and accessibility
4. **Give access** to Eileen and the Holyoke Public Library History Room as an important genealogical resource

Example Errors

Brown James M., C. R. R. R. bridge-keeper, h Riverside n bridge
Brown John, emp Valley Paper Co., rooms 7 Main
Brown John, emp Holyoke Warp Co., house 518 Main
Brown John L., emp Merrick Thread Co., rooms 35 Newton
Brown John N. (Buchanan, Bolt & Co.), house 192 Beech
Brown John S., emp Albion Paper Co , boards 50 Center
Brown Joseph, painter, emp Dean & Wheelock, bds 23 Hampden
Brown Joseph, boards 51 Newton

3

X

p

<

CD

Example Text Input

Allard Joseph, rem to Canada

Allen Charles L., draughtsman, Holyoke Machine Co., h 94 Newton

Allen Edmund E., civil engineer, emp E A Ellsworth, bds 38 Essex

Allen Elizabeth Miss, rooms 123 Oak

HOLYOKE [A] DIRECTOKY. 19

Allen Elizabeth J., widow Thomas, house 73 Race

Allen Henry, emp Holyoke Machine Co., rooms 275 Main

Allen James A., clerk Moses A. Allen, boards 65 Appleton

Allyn Albert A., clerk A. & S. B. Allyn, h Northampton opp Beech,

B. V.

Example Output

Street	Address	Last Name	Names
Maple	208	Whiting	William B.
Maple	212	Perry	George LI.
...
Maple	236	Hubbard	J. Clark
Maple	237	Blanchard	William H.
Maple	237	Griffith	J. Eveleth
...
Mosher	5	Richards	Charles H.
Mosher	6	Bissland	James H.

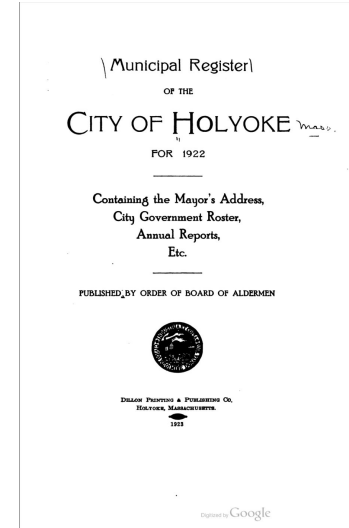
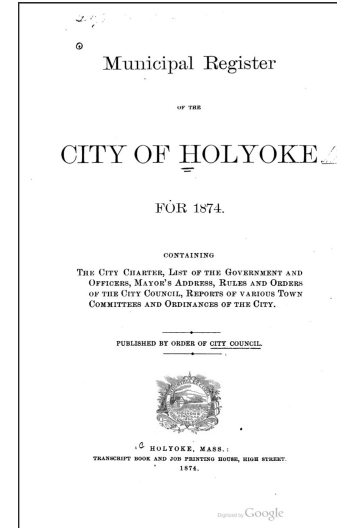
Nahia: the municipal reports



City of Holyoke Municipal Registries

What are they?

- A Registry is an authoritative list of information. These Municipal Registries serve as Government Reports where they published reports and information for each year.
- There are 28 Holyoke Reports available on Google Books (see listing at the Holyoke Public Library): 1874-1922.



Increasing Accessibility

Much of this work is already done by having them accessible as PDFs, but that is the only form that they can be consumed as.

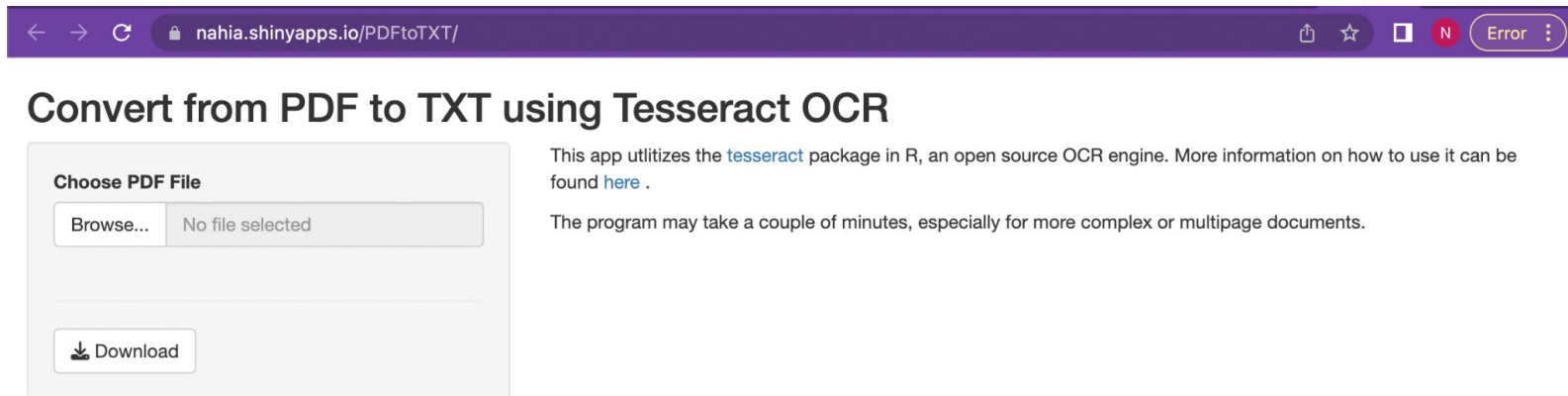
- By having them as `txt` files, we can apply text analytical techniques
- Possible other applications, such as text to speech for accessibility

All of the reports have been run through and the full texts are available.

PDF to TXT

Long story short...

- Created a function that automates the conversion process of PDF documents into `txt` files by using **Tesseract OCR** technology.
- <https://nahia.shinyapps.io/PDFtoTXT/>



The screenshot shows a web browser window with the address bar displaying `nahia.shinyapps.io/PDFtoTXT/`. The page title is "Convert from PDF to TXT using Tesseract OCR". On the left, there is a "Choose PDF File" section with a "Browse..." button and a "Download" button. On the right, there is explanatory text about the app's use of the Tesseract OCR engine and a note about processing time.

Convert from PDF to TXT using Tesseract OCR

This app utilizes the [tesseract](#) package in R, an open source OCR engine. More information on how to use it can be found [here](#) .

The program may take a couple of minutes, especially for more complex or multipage documents.

Choose PDF File

Browse... No file selected

Download

Board of Health Exploration

Pulled out the sections of the reports related to the Board of Health as it existed and changed.

- What can we learn about the structure of these reports over time?
- What language and sentiments are used in them?
- What are the topics overseen by the board of health?
- What were the responsibilities of the Board of Health?

These files will be available for others to see

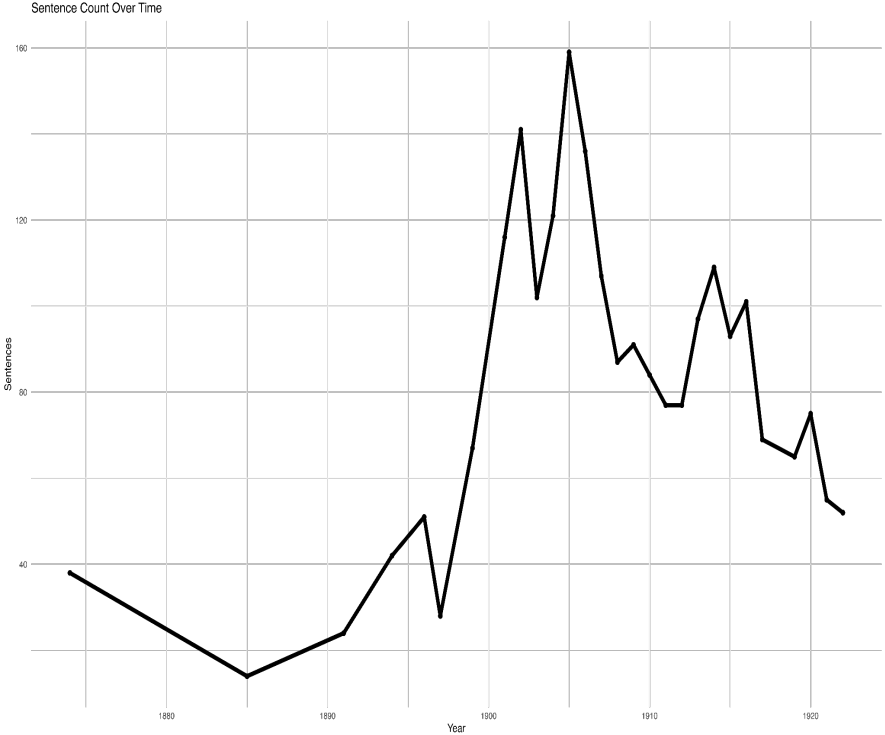
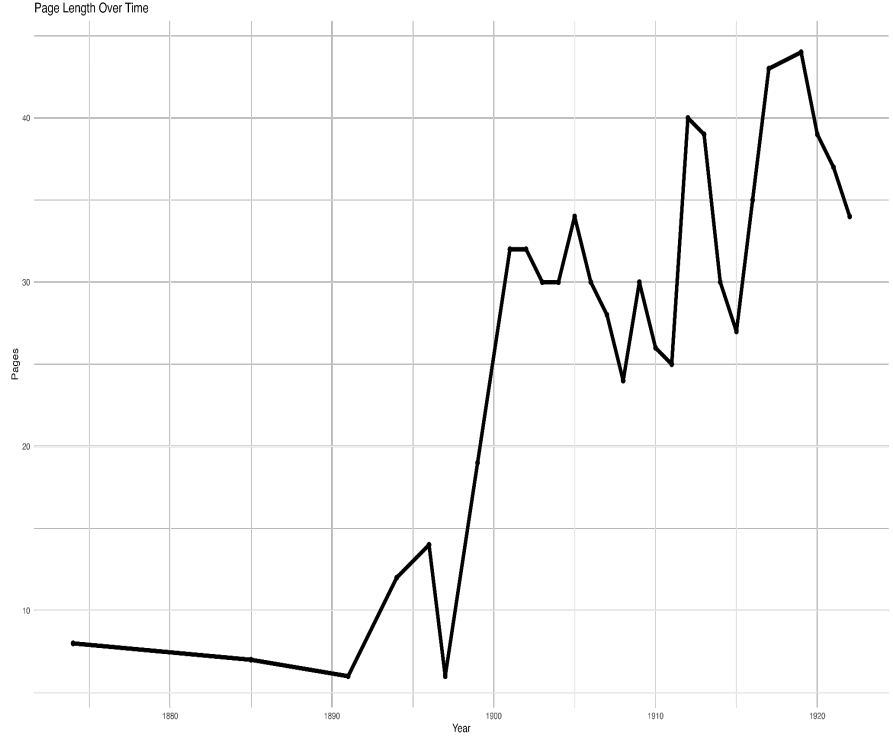
Board of Health Structure

- The reports will summarize the health of the city overall and the work that the Board (or particular members) did throughout.
- Tables will be provided with the year's statistics
 - Stillbirths, cases of diseases, etc.
 - These are not well read by the conversion process
- Occasionally Recommendations or Requests will be made for the upcoming year.

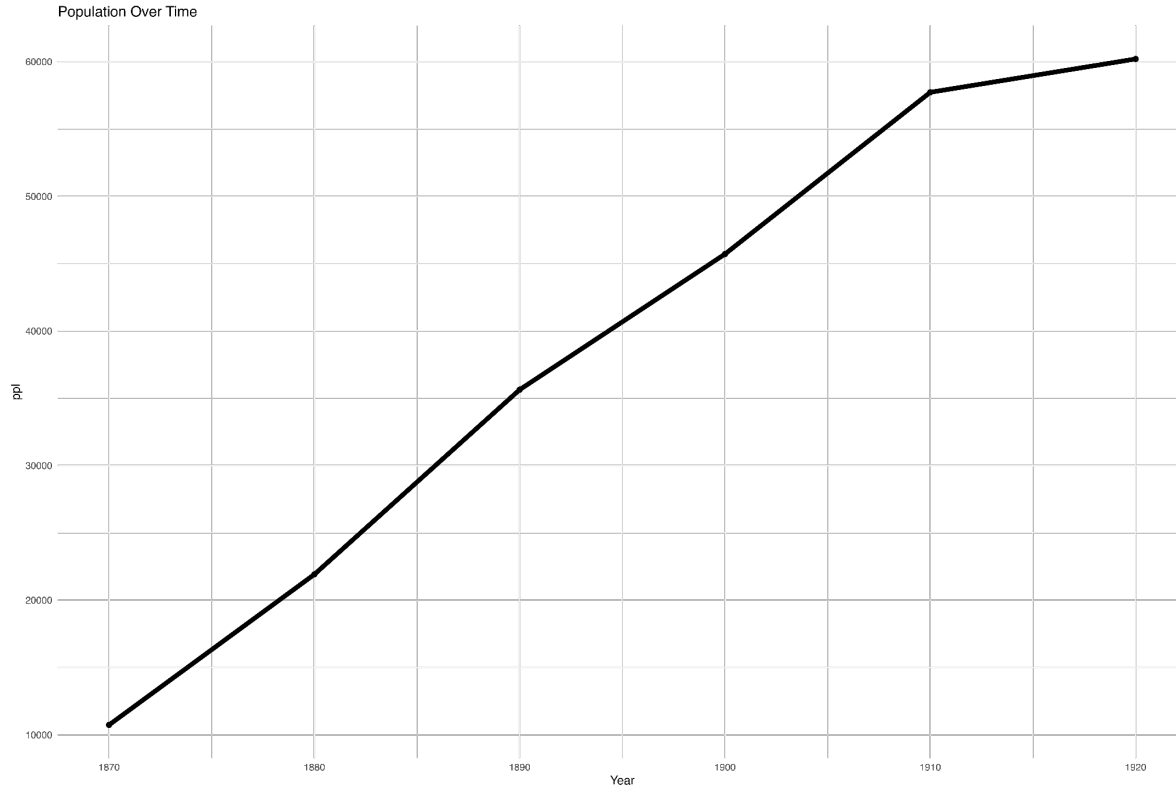
Board of Health Structure cont.

- 1902 - the **City Physician** starts submitting reports under the Board of Health.
- 1901 - the **Board of Plumbing's** report starts occurring under the Board of Health
- 1907 - the **Inspector of Milk, Vinegar, and Petroleum** starts submitting reports under the Board of Health.
- Sometime between 1899 and 1901, a **Bacteriologist** position is established.

Board of Health Report Length

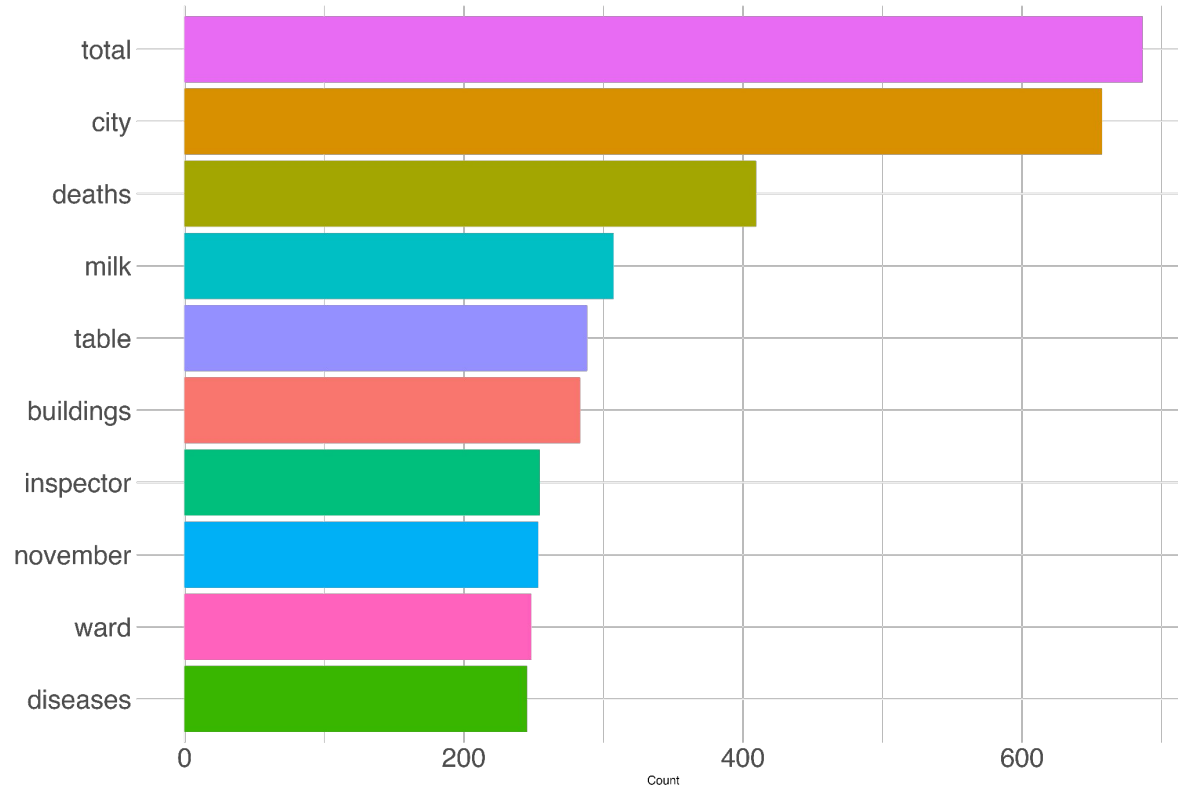


Holyoke Population

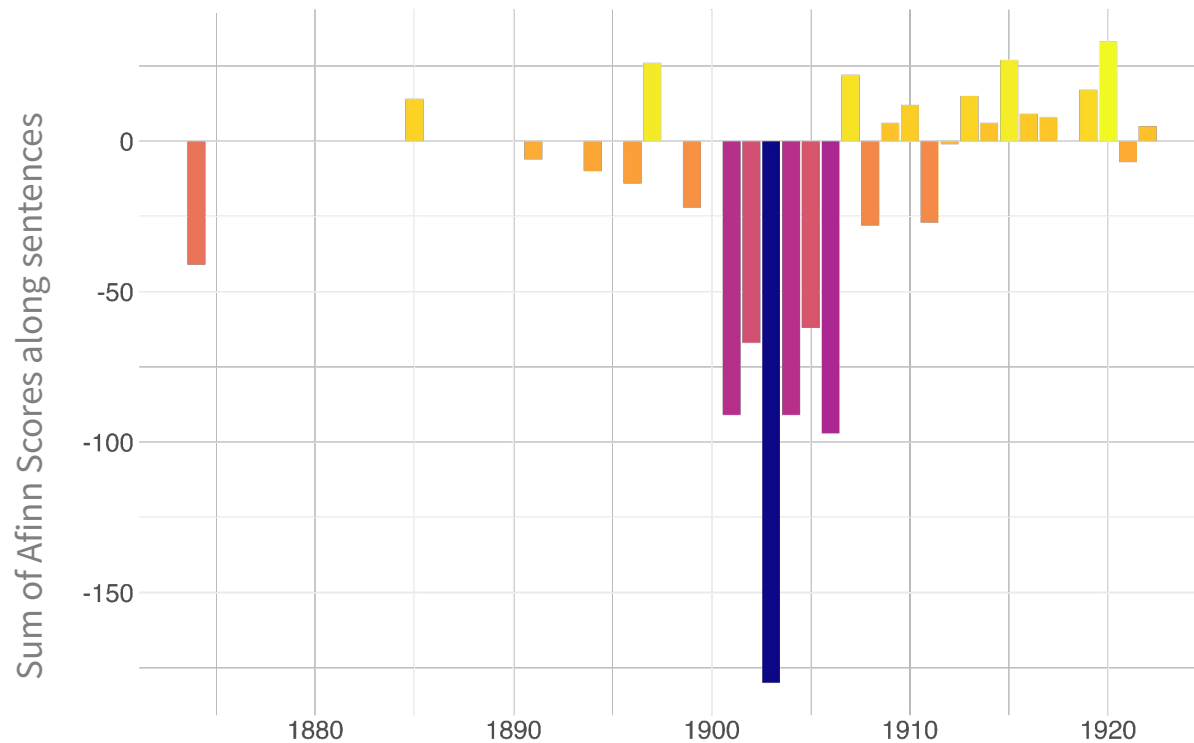


Less space taken
up by narrative,
more taken up by
tables

Board of Health Common Words



Board of Health Sentiment

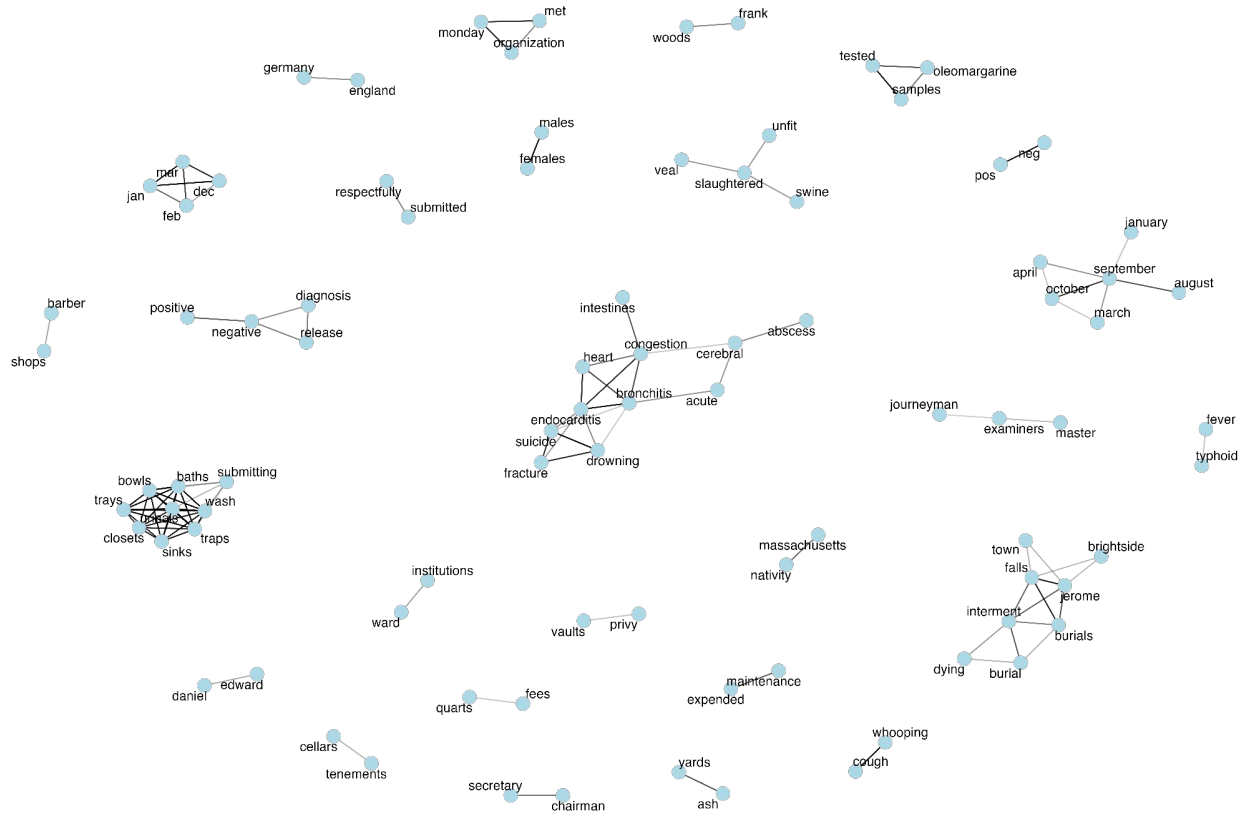


Board of Health Sentiment cont.

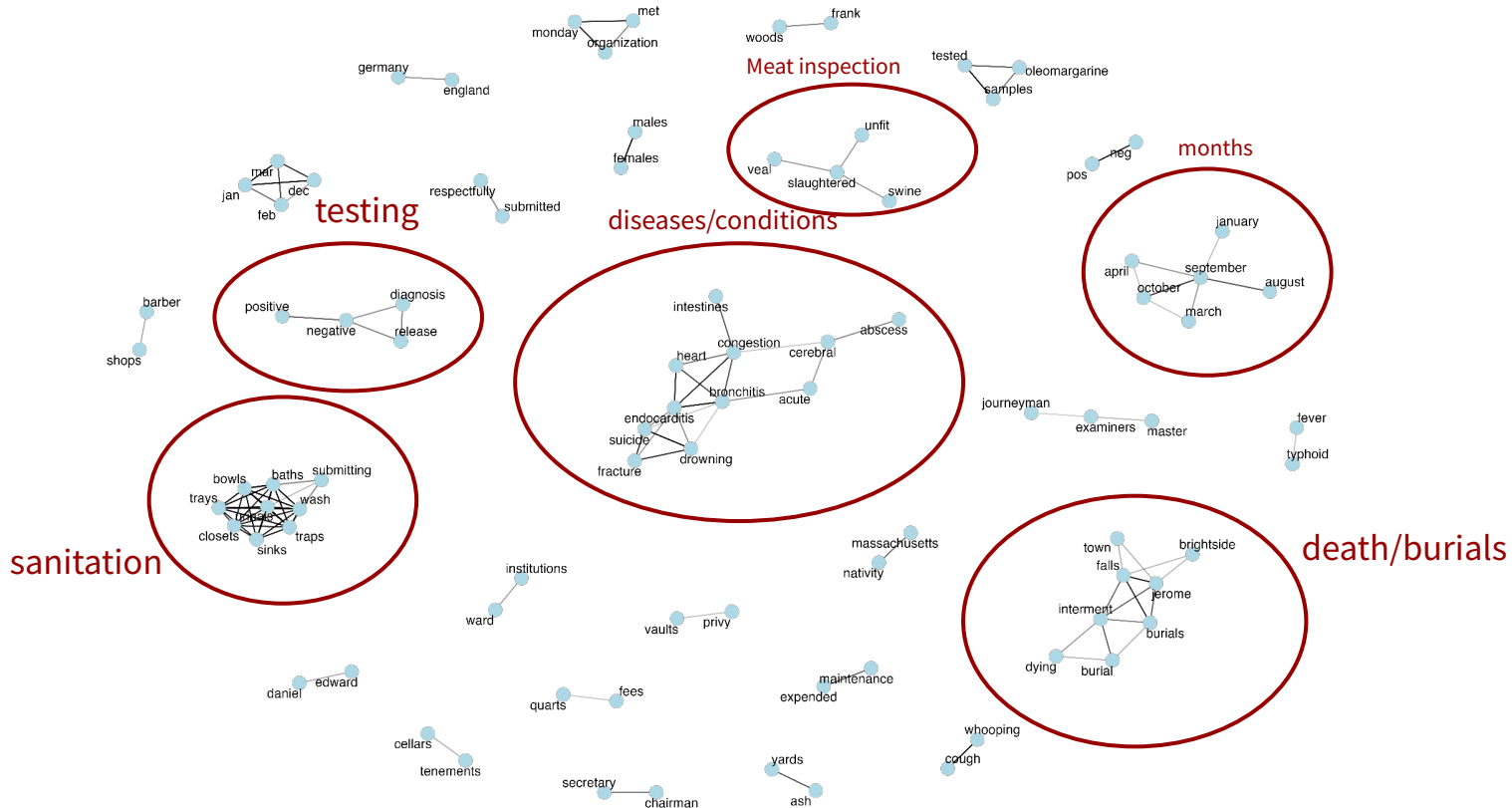
[1] "report of board of health. jelly destroyed pails, ., ,
cheese destroyed pounds, canned goods destroyed cans, .,
butter destroyed pounds, . . cabbage destroyed heads, , .
leeks destroyed bunches, . ."

- Part of a report by the Health Officer in which he breaks down the reason for 3 licences to peddle vegetables were refused.
- 1899 to 1909 had similar reports

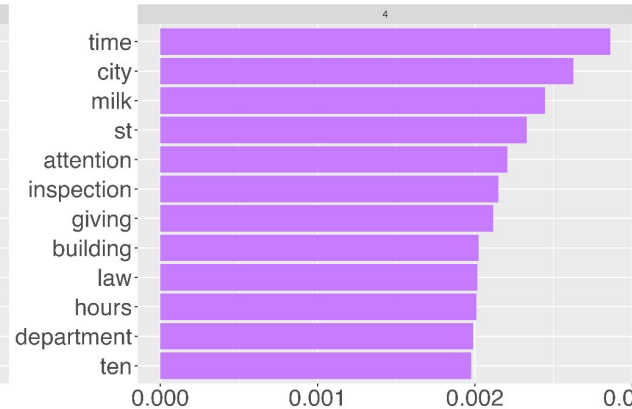
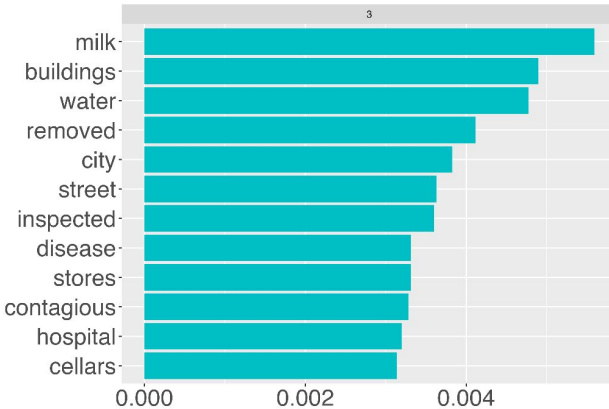
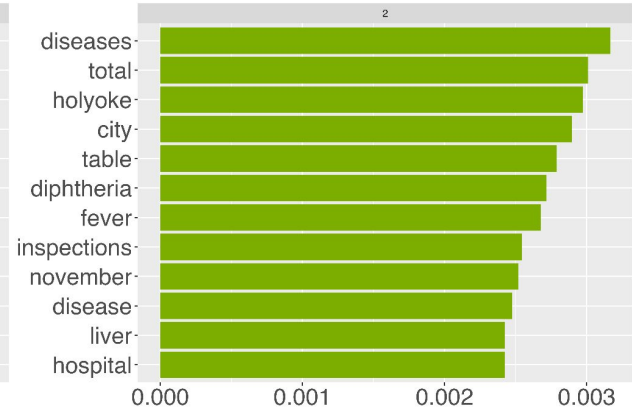
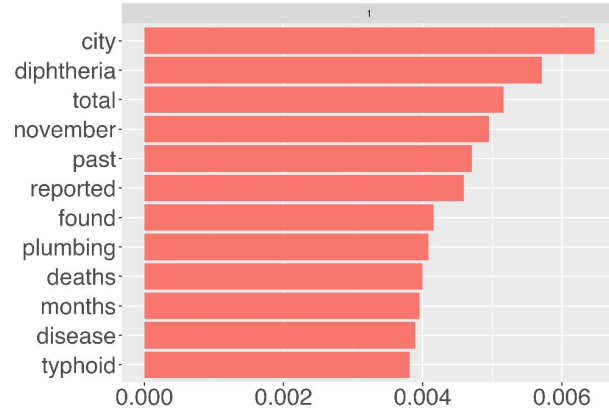
Board of Health Correlation Modeling



Board of Health Correlation Modeling



Board of Health Exploration



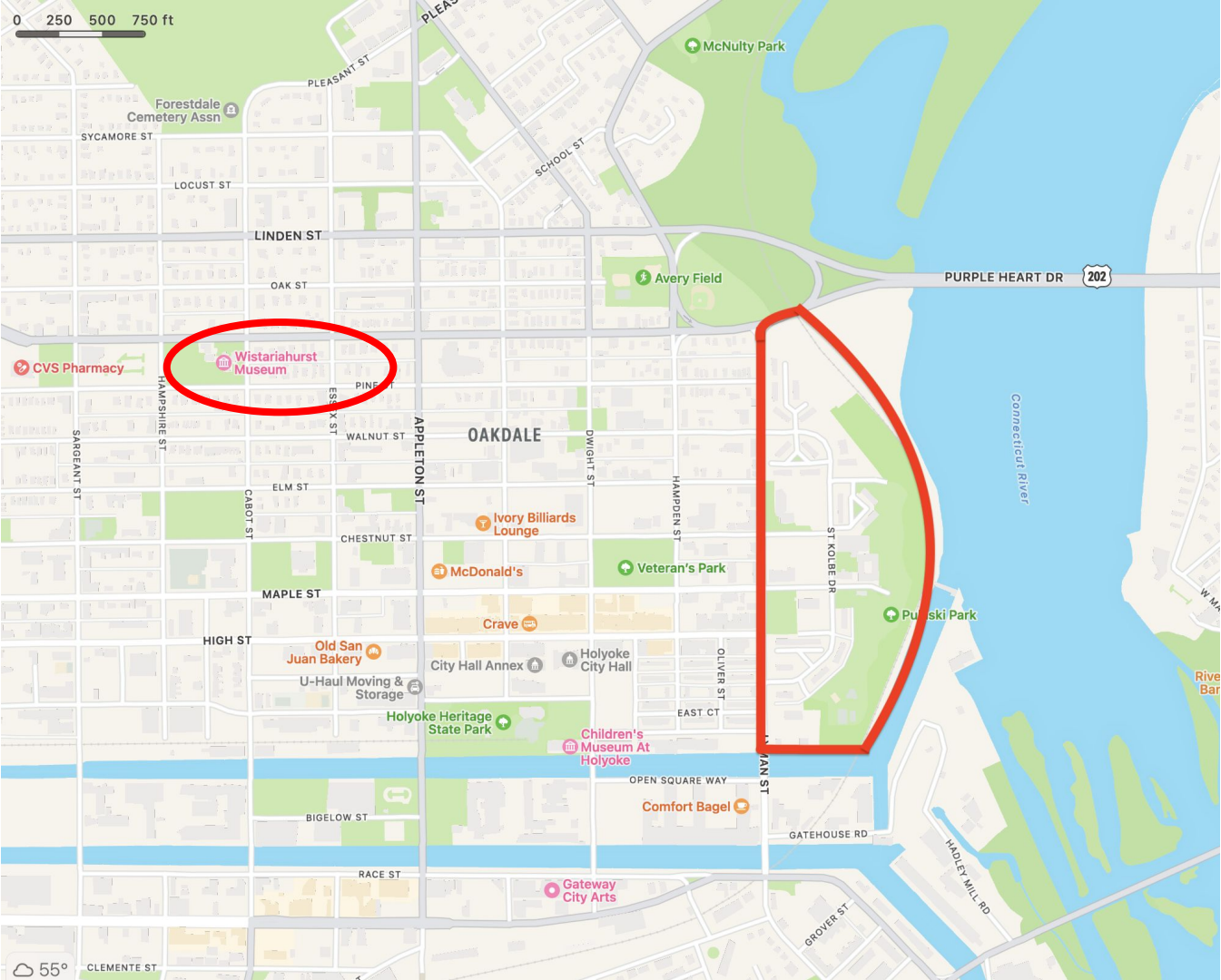
Board of Health Structure cont.

1. General Reporting - (city, total, months, reported...)
2. Disease Reporting - (disease, total, fever, liver, disphtheria)
3. Action Items - (buildings, removed, inspections, contagious)
4. Administrative - (law, city, department)

Sarah and Lorraine: Riverview Urban Renewal Project

- Created a detailed overview of the archival information of the urban renewal project that took place in the 1960s.
- Created a spreadsheet that allows searching by address
- Organized scans and made them accessible
- Designed an app that individuals can access and track down the properties that existed before.

0 250 500 750 ft



CVS Pharmacy

Wistariahurst Museum

OAKDALE

Ivory Billiards Lounge

McDonald's

Crave

Old San Juan Bakery

U-Haul Moving & Storage

City Hall Annex

Holyoke City Hall

Holyoke Heritage State Park

Children's Museum At Holyoke

Comfort Bagel

Gateway City Arts

McNulty Park

Avery Field

PURPLE HEART DR 202

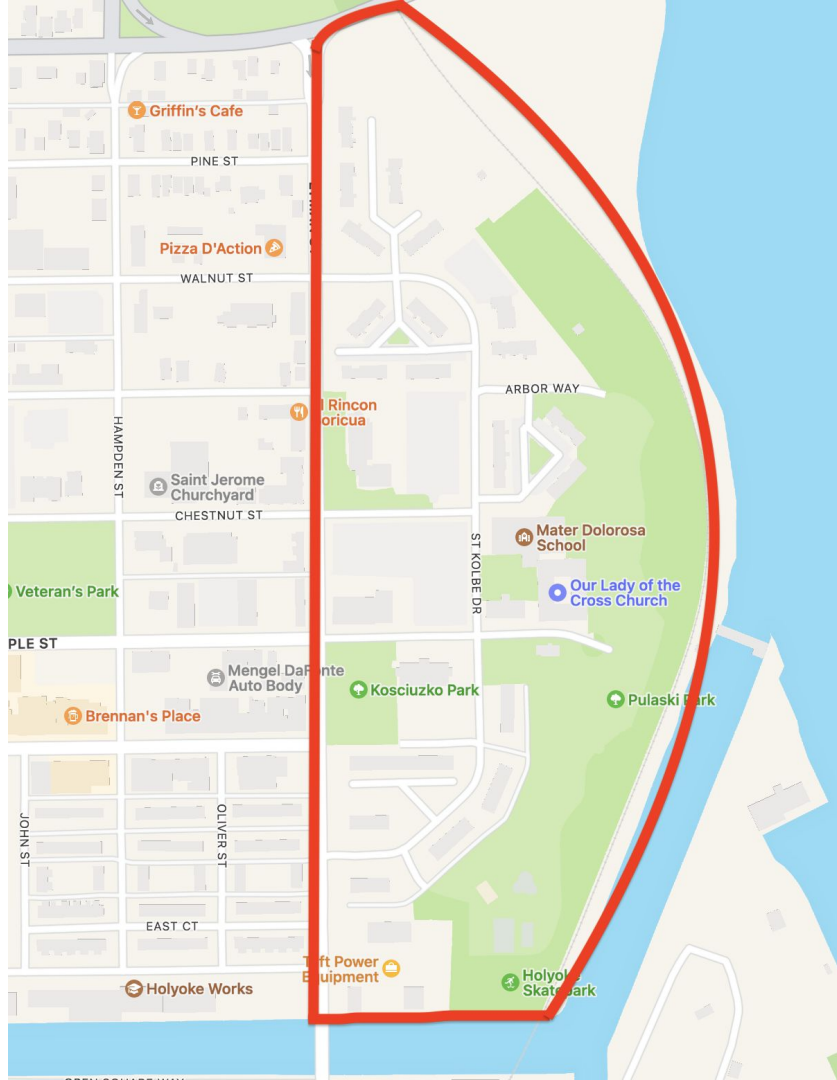
Connecticut River

Pulaski Park

River Bar

55°

CLEMENTE ST



Griffin's Cafe

PINE ST

Pizza D'Action

WALNUT ST

HAMPDEN ST

Saint Jerome Churchyard

CHESTNUT ST

Veteran's Park

PLE ST

Mengel Dante Auto Body

Brennan's Place

JOHN ST

OLIVER ST

EAST CT

Holyoke Works

Lift Power Equipment

Rincon Toricua

ARBOR WAY

ST KOLBE DR

Mater Dolorosa School

Our Lady of the Cross Church

Kosciuszko Park

Pulaski Park

Holyoke Skat Park



< > riverview_scans

Name

- IMG_1047.png
- IMG_1048.png
- IMG_1049.png
- IMG_1050.png
- IMG_1052.png
- IMG_1053.png
- IMG_1054.png
- IMG_1055.png
- IMG_1056.png
- IMG_1057.png
- IMG_1058.png
- IMG_1059.png
- IMG_1060.png
- IMG_1061.png

< > riverview_organized

Name

- block_01_parcel_04_photo_01.png
- block_02_parcel_01_info.png
- block_02_parcel_05_info.png
- block_02_parcel_05_map_01.png
- block_03_parcel_01_info.png
- block_03_parcel_01_map_01.png
- block_03_parcel_01_photo_01.png
- block_03_parcel_02_info.png
- block_03_parcel_02_map_01.png
- block_03_parcel_02_photo_01.png
- block_03_parcel_03_info.png
- block_03_parcel_03_map_01.png
- block_03_parcel_03_photo_01.png



Pine

STREET

Walnut

STREET

Elm

STREET

Chestnut

STREET

HAMPDEN PARK

Maple

STREET

High

STREET



CITY HALL

NEWTON FALLS

STREET

WESTFIELD RR.

FRONT

CANAL

LYMAN STREET

LYMAN

JOHN STREET

WEST

LYMAN

EAST

OLIVER STREET

COURTHOUSE

COURTHOUSE

COURTHOUSE

COURTHOUSE

UNION

STREET

STREET

FOUNTAIN

STREET

PROSPECT

PULASKI

PARK

RIVER STREET

NO. 1 OVERFLOW

STOP LOG STREET NO. 17

GATE HOUSE

FISHWAY

HAMPDEN CO.

HADLEY FALLS

STATION

HOLYOKE

HOLYOKE MASSACHUSETTS

BLOCK 3 PARCEL 2

PHOTOGRAPHS



JAN 70



PROPERTY IDENTIFICATION

BLOCK NO. 3

PARCEL NO. 2

PROPERTY ADDRESS 8-10 High Street

OWNED BY Ronald G. Giguere & Pauline Bernier

OWNER ADDRESS 64 Hanover St., West Springfield, Mass.

DATE ACQUIRED 6/28/67

GRANTOR Thomas & Alice Giguere

DEED REFERENCE BOOK 3267 PAGE 489

STAMPS None

ASSESSED VALUE

BUILDINGS	LAND	TOTAL
Wood Block \$2,400.	\$1,500.	\$3,900.

Property Information Spreadsheet

Riverview Renewal Urban Project

About

Property Information

Resources

Unique property display

This tab displays information about individual buildings

Search:

	file_name	block	parcel	property_location	owner	owner_address	data_acquired	grantor	deed_reference_book	deed_reference_page
1	block_02_parcel_01_info	2	1	Union & Prospect Streets	Whiting Oil Corp.	1 Fountain Street, Holyoke, Mass.				
2	block_02_parcel_05_info	2	5	Westerly side Front Street, Fountain Street and Prospect Street	Whiting Oil Corporation	458 Dwight Street, Holyoke, Mass.				
3	block_03_parcel_01_info	3	1	16-20 Prospect Street	Theodore J. & Tita V. Dec	1663 Northampton Street, Holyoke, Mass.				
4	block_03_parcel_02_info	3	2	8-10 High Street	Ronald G. Giguere & Pauline Bernier	64 Hanover St., West Springfield, Mass.	24651.0	Thomas & Alice Giguere	3267.0	489.0
5	block_03_parcel_03_info	3	3	14-16 High Street	Bronislaw & Stefania Lukomski	16 High Street, Holyoke, Mass.	19854.0	Leopold J. & Stelia A. Kozlowski	2309.0	116.0

To view specific information about a property, click on a column labeled 'Property' in the left-hand panel. The corresponding data, including initial building location, owner, value before demolition, and photos, will be displayed on the right-hand side of the screen, 'Property information'.

Property:

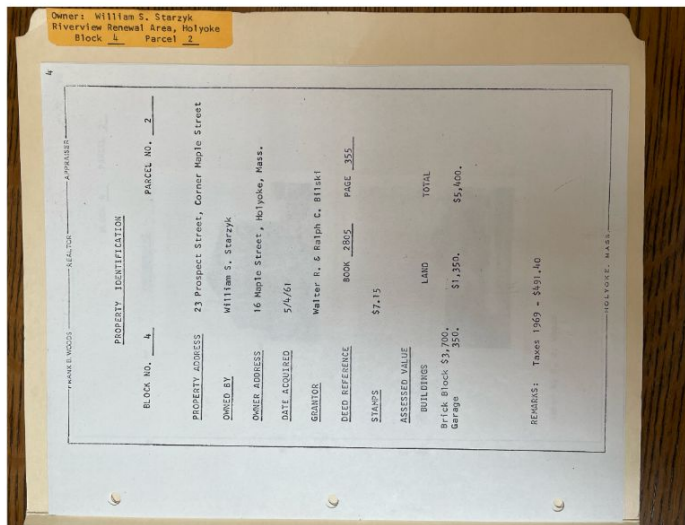
- block_01_parcel_04
- block_02_parcel_01
- block_02_parcel_05
- block_03_parcel_01
- block_03_parcel_02
- block_03_parcel_03
- block_03_parcel_04
- block_03_parcel_05
- block_03_parcel_06
- block_03_parcel_07
- block_03_parcel_10
- block_03_parcel_11
- block_04_parcel_01
- block_04_parcel_02
- block_04_parcel_03
- block_04_parcel_04
- block_04_parcel_05
- block_04_parcel_06
- block_04_parcel_07
- block_04_parcel_08
- block_04_parcel_09
- block_05_parcel_02
- block_05_parcel_03

Property information:

For this property, there are:

- 1 information page(s)
- 1 photo page(s)
- 1 map page(s)

This property was located in 23 Prospect Street, Cor



Holyoke History Room Deliverables

Parsons Paper Company register scans (and partial list of employees)

1886 reverse directory: spreadsheet sorted in multiple ways for genealogical support

Municipal Reports: transcriptions for multiple years for several reports

Riverview Renewal Project: spreadsheet mapping from block/parcel to address and archive of scans and interactive display

<https://github.com/STAT210-S23/STAT210-Holyoke-History-Room>

They will be donated to the Holyoke Public Library History Room collection to be made accessible via Digital Commonwealth

Sarah and Lorraine: Bachelder letters at Wistariahurst

Dear Mother;
Here I am again writing
Canteen. Not that I have gone to
just that I much rather write on
hand. Fortunately I can
then.

1201

SYMBOLS
DL = Day Letter
NL = Night Letter
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

WESTERN UNION

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

(01)

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

BA252 10 GALVESTON TEX 29 715P

1940 OCT 29 PM 9 03

MRS W F BACHELDER

2 HARVARD ST HOLYOKE MASS

HAPPY BIRTHDAY. SEND AIR MAIL PRINCIPALS OF ACCOUNTING
BY KESTER

FRED

TELEPHONE No. 26155

TELEPHONED TO adie

TIME 9:25

BY P TO BE drawn

ATTEMPTS }
TO DELIVER }

letters

- The Bachelder Letters Collection contains 135 documents, comprised of letters and a few telegrams and cards
- Letters from Julia and Walter Frederick (Fred) to their mother Selma, who lived at 2 Harvard Street in Holyoke
- Spans 1927-1953 - most are from WWII time period

Julia Bloodgood Bachelder

- Born February 7, 1915
- Attended Wellesley College
- Worked at Compton Advertising
- Joined the NYTimes as a secretary to the war desk (under Hanson Baldwin) and later as a picture editor for both the Sunday Book Review (under Francis Brown) and Tuesday Science Section

Walter Frederick (Fred) Bachelder

- Born November 12, 1918 in Holyoke, MA.
- Attended Deerfield Academy, Dartmouth, and the Tuck Business School
- Served in WWII and was commissioned as a First Lieutenant in the Office of Strategic Services (OSS)
- President of family business, Testing Machines, Inc.



WWII training at Camp Hulen, Texas. 211th Anti-aircraft artillery, Massachusetts National Guard (Digital Commonwealth)

Extracting Text

We are now allowed to tell you where we are and were. You probably know that I landed in Oran, went from there to Tunis, then back to Algiers, from there to Bari, Italy, then up the land to Florence. In the last city I made my headquarters but travelled up along the Fifth Army front when it was facing the so-called Gothic line in the rugged Appenines. About a month ago I left Florence and came back to Cecina, a town south of Leghorn. Now I am in a hospital right on the coast a few miles south of Cecina. Soon I hope to be in America.

I cannot go into detail as to what I did. In the first place it would be too involved and possibly misleading, secondly I cannot say for security reasons everything. However you might be interested in reading "Two Yanks Make an Army" in May 'American Magazine'. It will throw a little light on the subject.

Love to all,

Jed.

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Love to all,
Fred.

HALF WAY BETWEEN FT. WORTH AND EL PASO ON THE BROADWAY OF AMERICA



CLARENCE SCHARBAUER
PRESIDENT



GARAGE IN
HOTEL BUILDING
ENTRANCE DIRECT
TO LOBBY

HOTEL SCHARBAUER

250 ROOMS - 250 BATHS - RATE \$2.00 TO \$3.00

MIDLAND - TEXAS



ORDNANCE SCHOOL
ABERDEEN PROVING GROUND
MARYLAND

Wednesday
14, 1943

MIDLAND ARMY CENTER

210 WEST TEXAS AVENUE

Midland, Texas

beautiful and well w...
hers get in for nothing, others
went through that day. It's
th...

my address is -

2nd St. 2.

Company A, 15TH Battalion

S. P. R. D

Greenville, Pennsylvania.

Love
Des.

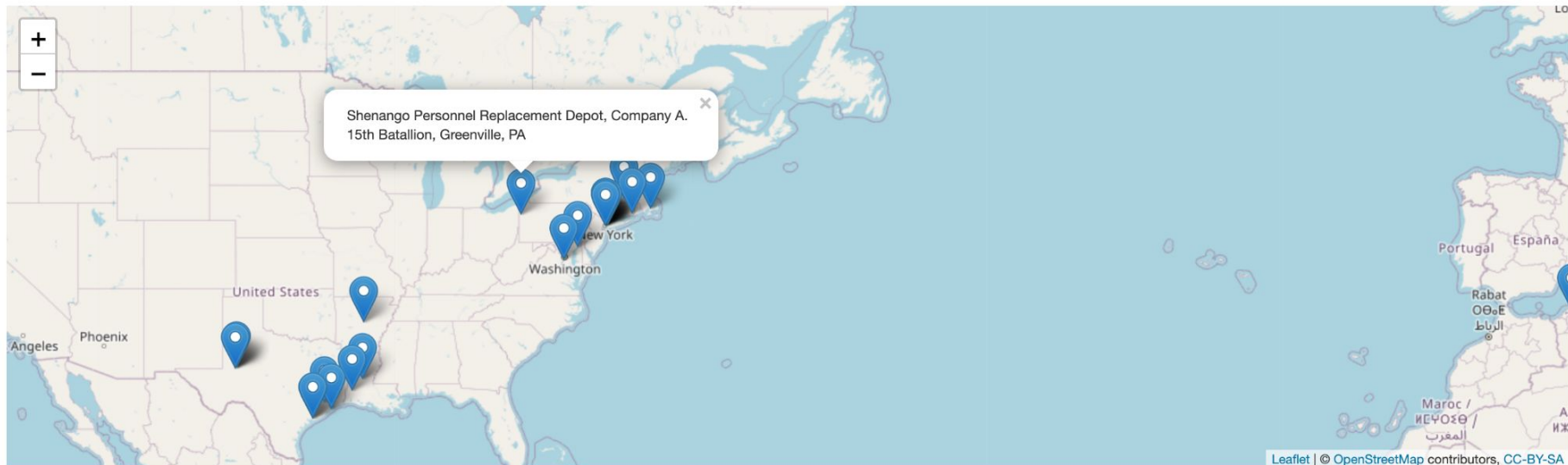
Interactive Map & Letter Viewer

The Bachelder Letters

About

Introduction

Letters



The Bachelder Letters Collection contains 135 documents, comprised of mostly letters but also telegrams. According to Penni Martorell, 76 of these letters are from Walter Frederick (Fred) Bachelder to his mother Selma Bachelder. The rest are from Julia Bachelder (minus a few signed by his daughter Susan). The early letters are handwritten, but several of the later letters are typed. The collection spans many years (1927-1953), but there are also some letters/telegrams that are undated. There is only one letter from the 1930s (written by Julia to her mother in 1932). Interestingly, some of the letters have parts that are cut out or whited out. For example, on December 8, 1943 Fred writes to his mother telling him where the Army has moved him, yet the part where he writes the location is covered with whiteout.

Anna: Insights from the Carlos Vega archive at Wistariahurst



Who Was Carlos Vega?

- Carlos Alberto Vega was born in Quito, Ecuador in 1950 and immigrated to Holyoke at the age of five
- From 1956-2012, Vega established himself as one of the city's most tireless and influential community activists
 - Advocate for affordable housing, anti-war movement, racial justice, voting + civil rights
- Co-founded Nueva Esperanza in 1982, ran for public office + spearheaded public initiatives
 - Community development organization w/ focus on safe, affordable housing



"I have heard that there is a lot of apathy here and I don't want to be a part of it."—Carlos Vega.

Vega holding a copy of *Breakthru* in a 1969 issue of *The Phoenix*

About the Carlos Vega Archive

- Carlos Vega Collection of Latino History in Holyoke contains news clippings, letters, & memorabilia collected between 1958-2012 (43 boxes of material)
- Make community newsletters from Vega's early years as a budding political activist more widely accessible
 - **Oracle** (later renamed **Breakthru**) - Holyoke High School (1968-70)
 - **The Phoenix** - Holyoke Community College (1969-71)
 - **The Community Builder** - published by Nueva Esperanza in Spanish + English (1984-89)
- Topics explored: anti-Vietnam War movement; Black, Native American, immigrant, and labor rights; freedom of speech + student protests; educational reform



Carlos Vega Collection of Latino History in Holyoke, 1958-2012

[bulk: 1970-2005] 43 boxes (24.5 linear ft.)
Collection number: 2011.1.2

Abstract

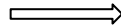
The Carlos Vega Collection of Latino History in Holyoke consists of administrative files, electoral and legal documents, scholarly works, memorabilia, and news clippings illustrating myriad facets of the social, political, and cultural Latino experience in Holyoke. The organizational records of Nueva Esperanza, which Vega co-founded and directed, as well as the minutes, budgets, memoranda, and grant proposals composed by various grassroots organizations, citizens' groups, and community foundations, demonstrate the all-encompassing scope, collaborative paradigm, and remarkable accomplishments of the programs that Vega developed, implemented, and inspired throughout the course of his life.

Making the Carlos Vega Newsletters Accessible

1969 issue of
Oracle

EDITORIAL

In the past year many high school students have begun to realize what this world is like, the injustices inflicted on man by his own brothers. In growing aware, they have become active in denouncing their inadequate administrative heads. They want a voice in the forming of school policies. They are tired of puppet student governments. The administration's ignorance and stubbornness breed these revolts.



Underground papers, like this and some more radical, have sprung from one part of this country to the other in high schools. Why? Dissatisfaction with the rules that try to regulate our lives, bodies, and souls; awareness of the malfunctioning courses and teachers that in no way serve our need of preparing us for the world; dress codes which have nothing to do with the institution's business-- education.

EDILOKIAL

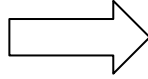
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1) Collect **png** scan of original newsletter

2) Use OCR to convert scan into digitally encoded raw **txt** file

Making the Carlos Vega Newsletters Accessible



EDILOKIAL

In the past year many high school students have begun to realize what this world is like, the injustices inflicted on man by his own brothers. In growing aware, they have become active in denouncing their inadequate administrative heads. They want a voice in the forming of school policies. They are tired of puppet student governments. The administration's ignorance and stubbornness breed these revolts.

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bodies, and souls; awareness of the malfunctioning courses and teachers that in no way serve our need of preparing us for the world; dress codes which have nothing to do with the institution's business-- education.

3) Create clean txt file by making corrections to raw digitized text by hand

EDITORIAL

In the past year many high school students have begun to realize what this world is like, the injustices inflicted on man by his own brothers. In growing aware, they have become active in denouncing their inadequate administrative heads. They want a voice in the forming of school policies. They are tired of puppet student governments. The administration's ignorance and stubbornness breed these revolts.

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4) Repeat one-by-one for each column/page for all newsletters!

Example: Spanish version of *The Community Builder*

Poniendo al Dia

En diciembre, Nueva Esperanza recibió noticias que la Solicitud Preliminar con la agencia de "Massachusetts Housing Finance" (MHFA) sobre su primer proyecto, 550 de las calles South Summer y Hamilton, está en la categoría de acción oficial. ¿Que significa esto?

El proceso de solicitar un préstamo para construcción de MHFA envuelve varias etapas. La rendición de una Solicitud Preliminar es la primera. Un repaso acertado por el Comité de "Collateral Securities" y la Junta Directiva completa de MHFA otorga a la solicitud la posición de acción oficial. Después de otro repaso, un compromiso del préstamo se establece. La última etapa se llama el cierre final.

Jan 1984 issue of
*The Community
Builder*

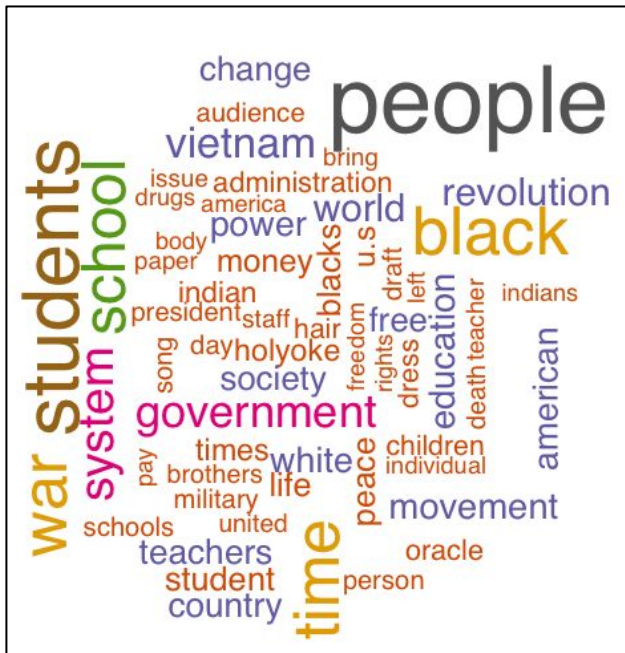


Poniendo al Dia

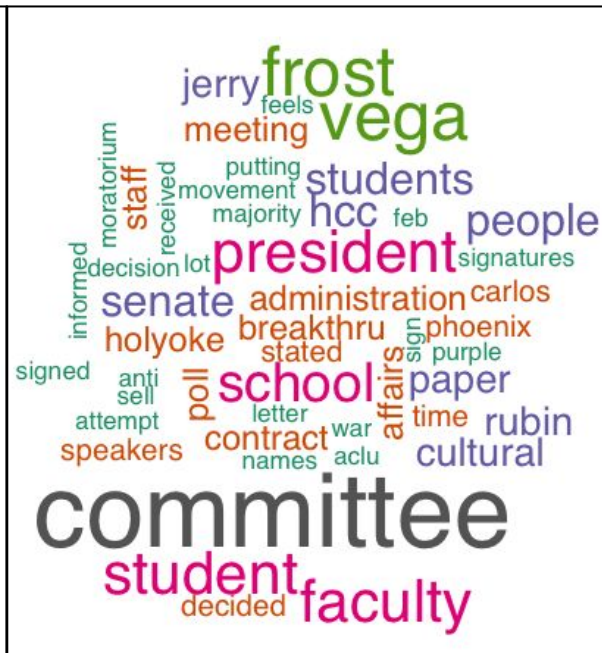
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Text analysis – word usage



Top 60 most common words in
Oracle/Breakthru Issues 1968-1969



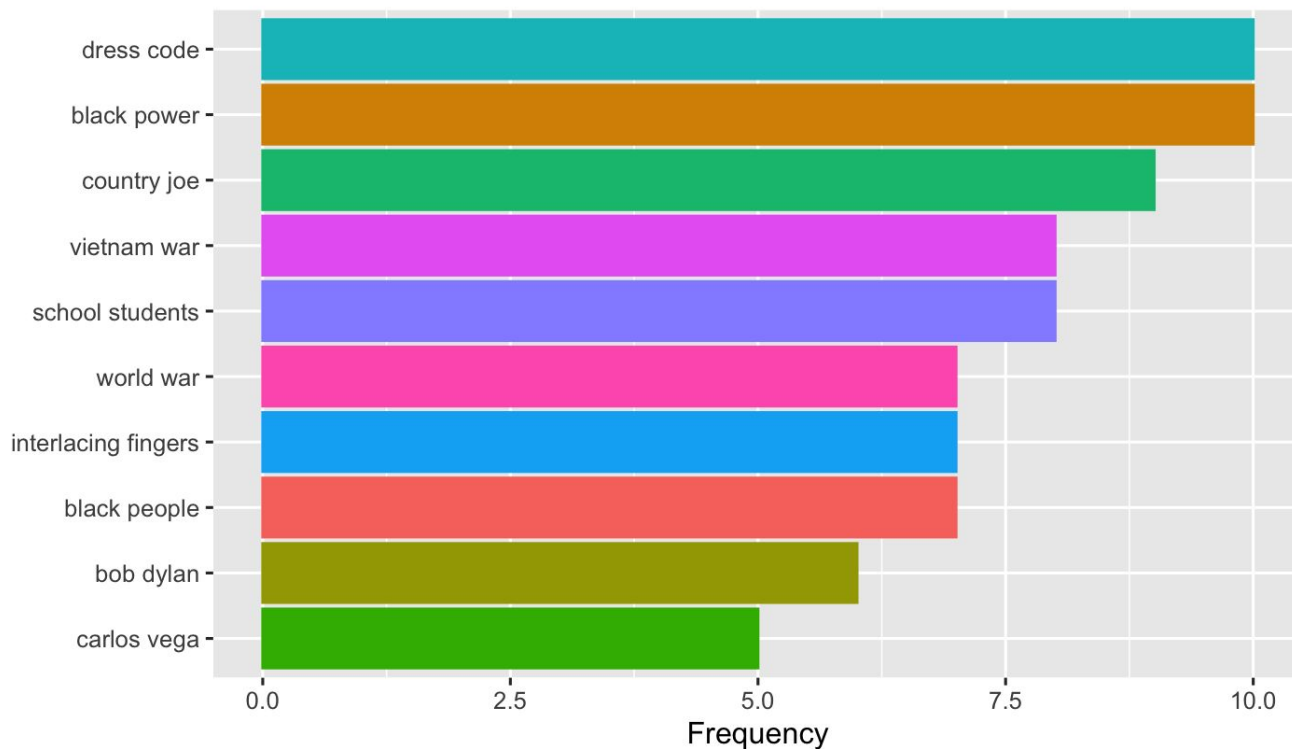
Top 50 most common words in HCC's
The Phoenix Issues 1969-1970



Top 50 most common words in
January 1984 Issue of
The Community Builder

Text analysis of *Oracle/Breakthru*

Most common bigrams in *Oracle/Breakthru* Issues 1968-69



Top 10 most common 2-word phrases in *Oracle/Breakthru* Issues 1968-1969

Wistariahurst Archive Deliverables

- Bachelor letter: transcription and finding aid
- Carlos Vega collection: digital raw + clean transcription of newsletters and additional material for the finding aid

These resources are available at

<https://github.com/STAT210-S23/STAT210-Wistariahurst>

Thanks and acknowledgements

Thanks again to

- Eileen Crosby (Holyoke Public Library History Room)
- Penni Martorell (Wistariahurst Library)

and the fabulous students in STAT210 (Mining the History of Holyoke)!

Q&A and refreshments



More materials and resources are available at

<https://github.com/STAT210-S23/STAT210-Wistariahurst>

<https://github.com/STAT210-S23/STAT210-Holyoke-History-Room>

Interactive display <https://r.amherst.edu/apps/nhorton/Parsons-Paper>