

Bookdown test

subtitle goes here

Jack Dougherty and contributors

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Preface

This is a test book, again...

Chapter 1

Notes chapter test

Testing dynamic reference with footnote

In addition its financial assets, Clark also praised Hartford's abundant cultural riches. The nation's best-known authors, Samuel Clemens (more commonly known as Mark Twain) and Harriet Beecher Stowe (whose best-seller, *Uncle Tom's Cabin*, influenced the Civil War), both took up residence in the city, alongside many of their literary companions, editors, and publishers. In addition to serving as the state capital, Hartford prized its extensive libraries, museum, and hospital. "The Hartford school buildings are said to the finest in the State," Clark added, and called special attention to his alma mater, Hartford Public High School, the second oldest in the nation, which also enjoyed "a reputation with all the leading colleges as one of the best of all the preparatory schools," as shown in Figure 1.1.¹ In fact, the education that young people received in the city's public school system far surpassed what was available in the outlying rural towns, known today as the suburbs.

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¹Charles H. Clark, "The Charter Oak City," *Scribner's Monthly* 13, no. 1 (November 1876): 1–21, https://books.google.com/books?id=2q_PAAAAMAAJ&pg=PA1#v=onepage&q&f=false.

²Philip Tegeler, ed., *Finding Common Ground: Coordinating Housing and Education Policy to Promote Integration* (Washington, DC: Poverty & Race Research Action Council, 2011), <http://www.prrac.org/pdf/HousingEducationReport-October2011.pdf>.

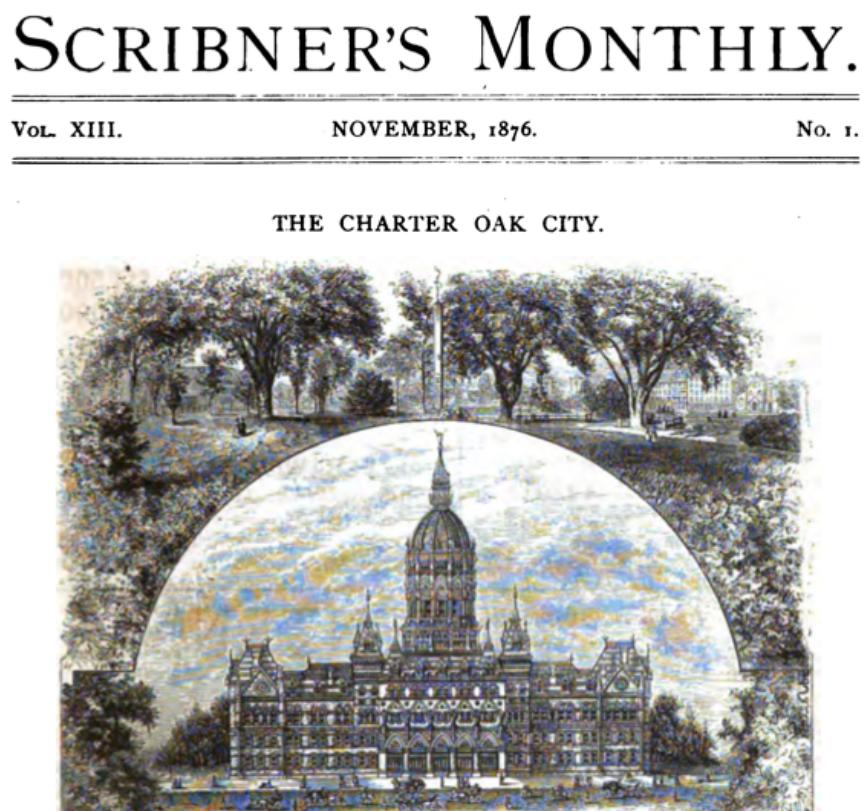


Figure 1.1: Scroll the full-screen document from *Scribner's Monthly* in 1876, which declared Hartford as “the richest city in the United States,” relative to its population. Digitized by Google Books.

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³Robert Harvey Whitten, *West Hartford Zoning: Report to the Zoning Commission on the Zoning of West Hartford* (West Hartford, Conn: Zoning Commission, 1924), http://magic.lib.uconn.edu/magic_2/raster/37840/hdimg_37840_155_1924_unkn CSL 1_p.pdf.

⁴Lis Pennington, Emily Steele, and Jack Dougherty, “A Political History of School Finance Reform in Metropolitan Hartford, Connecticut, 1945-2005” (American Educational Research Association conference paper, April 2007), http://digitalrepository.trincoll.edu/cssp_papers/29/.

⁵Jack Dougherty, “Review of ‘Connecticut’s Public Schools: A History, 1650-2000’ by Christopher Collier,” *Connecticut History* 50, no. 1 (2011): 120–22, http://digitalrepository.trincoll.edu/cssp_papers/41.

⁶Jack Dougherty, “Conflicting Questions: Why Historians and Policymakers Miscommunicate on Urban Education,” in *Clio at the Table: Using History to Inform and Improve Education Policy*, ed. Kenneth Wong and Robert Rothman (New York: Peter Lang, 2009), 251–62, http://digitalrepository.trincoll.edu/cssp_papers/4/.

⁷Jack Dougherty, Jesse Wanzer, and Christina Ramsay, “Sheff v. O’Neill: Weak Desegregation Remedies and Strong Disincentives in Connecticut, 1996-2008,” in *From the*

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Third-level header non-numbered

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Courtroom to the Classroom: The Shifting Landscape of School Desegregation, ed. Claire Smrekar and Ellen Goldring (Cambridge, MA: Harvard Education Press, 2009), 103–27, http://digitalrepository.trincoll.edu/cssp_papers/3/.

⁸Jack Dougherty, “Bridging the Gap Between Urban, Suburban, and Educational History,” in *Rethinking the History of American Education*, ed. William Reese and John Rury (New York: Palgrave MacMillan Press, 2007), 245–59, http://digitalrepository.trincoll.edu/cssp_papers/5/.

⁹Jack Dougherty et al., “School Choice in Suburbia: Test Scores, Race, and Housing Markets,” *American Journal of Education* 115, no. 4 (August 2009): 523–48, http://digitalrepository.trincoll.edu/cssp_papers/1.

¹⁰Amy Stuart Wells et al., “Boundary Crossing for Diversity, Equity, and Achievement: Interdistrict School Desegregation and Educational Opportunity” (Cambridge MA:

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1.1 Notes subchapter test

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Charles Hamilton Houston Institute for Race and Justice, November 2009), http://charleshamiltonhouston.org/assets/documents/publications/Wells_BoundaryCrossing.pdf.

¹¹ Mark Berends, Marisa Cannata, and Ellen Goldring, eds., *School Choice and School Improvement* (Cambridge Mass.: Harvard Education Press, 2011), <http://www.hepg.org/hep-home/books/school-choice-and-school-improvement>.

¹²Pennington, Steele, and Dougherty, "A Political History of School Finance Reform in Metropolitan Hartford, Connecticut, 1945-2005"

¹³Dougherty, "Review of 'Connecticut's Public Schools'".

¹⁴Tegeler, *Finding Common Ground*.

¹⁵Whitten, *West Hartford Zoning*.

subsection

more text here

Chapter 2

Image testing

Note that auto_pdf is true in global options

Image table

Best method: create uniform 150x150 at 300dpi PNG (not JPG) images; use colon to left-justify, and hyphens to set relative width (2 vs. 10)

Group 1	
	Cupcake ipsum dolor sit amet danish. Chocolate cake muffin oat cake pie. Cookie pastry bonbon I love candy canes wafer tart I love chocolate bar. Toffee candy canes croissant lemon drops jelly-o sesame snaps. Cake gummies apple pie bonbon jelly beans cotton candy I love bonbon. Jujubes tart icing ice cream chocolate bar cake oat cake lemon drops jelly-o.
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Sample static PNG image in all editions, no interactive version

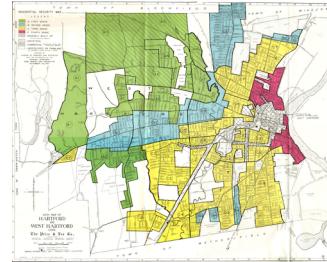


Figure 2.1: Use large original PNG sample static image, use out.width to reduce for web edition. Create smaller auto_pdf for PDF edition. Option to add *Markdown* formatting, links, but NO footnotes in captions due to PDF edition errors.

Sample static PNG image2 175k version

Sample static PNG image 2MB version

Interactive iframe (adj height) in web edition, auto_pdf 300dpi image in PDF edition



Figure 2.2: Original PNG sample static image, no reduction for web edition, but create smaller 400 wide 300dpi auto_pdf for PDF edition.



Figure 2.3: Original PNG sample from closeup screenshot, no reduction for web edition, but create smaller 400 wide 300dpi auto_pdf for PDF edition.



Figure 2.4: Caption for all versions here, with link to full-screen interactive map with its own caption, and link to sources and the code View map historical sources, known issues, and the code, developed by Ilya Ilyankou and Jack Dougherty.

Chapter 3

Table test

Add the Markdown table code shown below to auto-number (Table x) in HTML, PDF, Word.

...as shown in Table 3.1.

Table 3.1: Left-justify content, remember blank Line

Much Much Longer Header	Short Header	Short Header
Left-justify text content with left-colons	Less	Here
Use more hyphens to grant more space to some columns	Less	Here

Table 3.2: Right-justify content, remember blank line

Header1	Header2	Header3
123	456	789
Right-justify Use equal hyphens	numerical content to make equal space	with right-colons for all columns

Chapter 4

Cross-references test

Best method: cross-refs to HTML

jump to the Notes chapter

jump to the Notes subchapter

jump to Figure 2.1.

jump to Table 3.1.

but you cannot jump to a non-header Notes subchapter subsection

Avoid using Bookdown unique ID links to cross-ref chapters and sections, because they still create imprecise URLs with extraneous hashtags

let's jump to the Notes chapter

now let's jump to the Notes subchapter

now let's jump to the Notes subchapter subsection

now let's jump to the Sample interactive

Chapter 5

Video Tests

Problem: Video stream content from CT Digital Archives and Trinity Kaltura automatically runs in autoplay mode in web browsers, and I have not yet found a consistent way to block this from happening.

BEFORE TESTING: TEST in both Firefox and Chrome for auto-play issue. Make sure that your browser settings do NOT block autoplay content by default, since we cannot ensure that users will have same browser settings as developers.

Best solution so far: Upload relevant clip to YouTube to display as iframe in web edition, with static image in PDF/Word editions, with caption link and footnote to full video, uploaded for historical preservation to CTDA or Kaltura

Works: Kaltura HTML5 embed avoids autoplay, but is it still supported?

...as shown below in 5.2.¹. See additional oral histories with participants in the Sheff v O'Neill school desegregation lawsuit.²

Works but not properly formatted: Kaltura default embed code avoids autoplay

...as shown below in 5.3. This is actually Anne Goldstein.

¹Elizabeth Horton Sheff, "Oral History Interview on Sheff Vs. O'Neill" (Cities, Suburbs, Schools Project, Trinity College Digital Repository, July 28, 2011), http://digitalrepository.trincoll.edu/cssp_ohistory/16.

²Trinity College Digital Repository Cities Suburbs and Schools Project Archives, accessed July 15, 2019, https://digitalrepository.trincoll.edu/cssp_papers/; On The Line Digital Archives, Connecticut Digital Archives, n.d., <https://collections.ctdigitalarchive.org/islandora/object/120002:otl>.



Figure 5.1: Here's a sample YouTube caption, with option to add Markdown links and footnote to full video at CTDA.



Figure 5.2: View the oral history video interview and transcript with Elizabeth Horton Sheff in 2011.



Figure 5.3: This is actually Anne Goldstein sample video.

Issue Background

Here is an oral history video as displayed on the CTDA site, which does NOT autoplay:

<https://collections.ctdigitalarchive.org/islandora/object/120002:172>

Here is the CTDA MP4 video stream for that object, which runs AUTOPLAY in Chrome and FFox for Mac (and perhaps other browsers). CTDA says there is no setting to turn off autoplay from datastreams

<https://collections.ctdigitalarchive.org/islandora/object/120002:172/datastream/MP4>

The stream above also works with this “view” ending, but also runs autoplay:

<https://collections.ctdigitalarchive.org/islandora/object/120002:172/datastream/MP4/view>

Failed: CTDA iframe with autoplay=false

Here is Bookdown code-chunk that displays CTDA video in web edition, static image in PDF edition, BUT CANNOT TURN OFF AUTOPLAY using the iframe method, even if I add “?autoplay=0” or “?autoplay=false” to the end of the src string, as suggested in Stackoverflow further below.

Also tried but did not succeed in adding a “no autoplay” command to the iframe through jQuery in the custom-script.html



Figure 5.4: Here's a sample CTDA video caption, with option to add Markdown link and footnote.

Not Bookdown-friendly: HTML5 video tag solution

Here's a solution using the HTML5 video tag, which inserts user "controls" but omits "autoplay."

The HMTL5 video tag solution stops autoplay, but it is NOT ideal for Bookdown-generated books because:

- Bookdown/knitr does not *appear* to support the HMTL 5 video tag in the same way as it supports knitr::include_url. I could submit a request to Bookdown to support HTML5 video tag, but it's not likely to happen soon....
- This means that I cannot use Bookdown built-in support for figures using the HMTL5 video tag, such as:
 - the if-else statement in the R code-chunk that places the interactive iframe in HTML and the static floating image in the PDF, but the same caption for both
 - figure auto-numbering, such as Figure 1.2, 1.3, etc.

Failed: iframe solution with short video clip, stored locally, with custom script - but it autoplays

An alternative method is to store the video locally and display with HTML5 video tags, with a custom-script to stop auto-play. But Bookdown does not



Figure 5.5: Here's a sample local video clip caption, with option to add Markdown link and footnote.

recognize HMTL5, so no figure auto-numbering and captions will be displayed, and therefore not ideal, as described above.

More resources

See Stackoverflow discussions about HTML iframe, HTML5 video, and autoplay:

<https://stackoverflow.com/questions/49256942/how-to-disable-autoplay-video-in-iframe> and <https://stackoverflow.com/questions/31956221/how-to-disable-auto-play-for-local-video-in-iframe>

See Google Chrome Developer autoplay policy change in April 2018:

<https://developers.google.com/web/updates/2017/09/autoplay-policy-changes>

See Firefox Developer note for Video HTML5 autoplay:

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/video>

Chapter 6

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