

# Bookdown test

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# About the book

This is a test book

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# Chapter 1

## Chapter 1 interactive media tests

### Question

How to embed video stream from CT Digital Archives into Bookdown, WITHOUT autoplay, regardless of whether the user's browser is set to block autoplay?

**BEFORE TESTING:** 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.

### 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:

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



Figure 1.1: Here’s a sample CTDA video caption, with option to add Markdown link and footnote.

## Trying iframe solution

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.

Question: is there a way to add a “no autoplay” command to the iframe through jQuery in the custom-script.html?

## Trying HTML5 video tag solution

Here’s a solution using the HTML5 video tag, which simply says NOT to insert “autoplay”.

The HTML5 video tag solution stops autoplay, but it is NOT ideal for Bookdown-generated books because:

- Bookdown/knitr does not *appear* to support the HTML 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 HTML5 video tag, such as:





Figure 1.2: Here's a sample local video clip caption, with option to add Markdown link and footnote.

- 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.

## Trying iframe solution with short video clip, stored locally, with custom script

### Best workarounds, so far

1. Use HTML5 video tag, manually insert a caption, ignore missing figure number, and ignore that this doesn't work in the PDF version.
2. Upload full video to CTDA for historical preservation, and insert only a short video clip of relevant portion to Vimeo or YouTube, then insert the latter in Bookdown with iframe. Since Vimeo/YouTube clips do NOT autoplay, this will work with R code-chunk method above.



Figure 1.3: Here's a sample Vimeo caption, with option to add Markdown links and footnote.

**Example of Vimeo video clip in web edition (no autoplay), with static image in PDF edition,**

## 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 2

## Chapter 2

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<sup>2</sup>Robert 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/hding\\_37840\\_155\\_1924\\_unkn\\_CSL\\_1\\_p.pdf](http://magic.lib.uconn.edu/magic_2/raster/37840/hding_37840_155_1924_unkn_CSL_1_p.pdf).

<sup>3</sup>Lis 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/](http://digitalrepository.trincoll.edu/cssp_papers/29/).

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<sup>4</sup>Jack 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](http://digitalrepository.trincoll.edu/cssp_papers/41).

<sup>5</sup>Jack 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/](http://digitalrepository.trincoll.edu/cssp_papers/4/).

<sup>6</sup>Jack Dougherty, Jesse Wanzer, and Christina Ramsay, "Sheff V. O'Neill: Weak Desegregation Remedies and Strong Disincentives in Connecticut, 1996-2008," in *From the 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/](http://digitalrepository.trincoll.edu/cssp_papers/3/).

<sup>7</sup>Jack 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/](http://digitalrepository.trincoll.edu/cssp_papers/5/).

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## Subchapter 2.1 for note testing

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<sup>8</sup>Jack 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](http://digitalrepository.trincoll.edu/cssp_papers/1).

<sup>9</sup>Amy Stuart Wells et al., “Boundary Crossing for Diversity, Equity, and Achievement: Interdistrict School Desegregation and Educational Opportunity” (Cambridge MA: Charles Hamilton Houston Institute for Race and Justice, November 2009), [http://charleshamiltonhouston.org/assets/documents/publications/Wells\\_BoundaryCrossing.pdf](http://charleshamiltonhouston.org/assets/documents/publications/Wells_BoundaryCrossing.pdf).

<sup>10</sup>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>.

<sup>11</sup>Pennington, Steele, and Dougherty, “A Political History of School Finance Reform in Metropolitan Hartford, Connecticut, 1945-2005.”

<sup>12</sup>Dougherty, “Review of ‘Connecticut’s Public Schools.’”

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<sup>13</sup>Tegeler, *Finding Common Ground*.

<sup>14</sup>Whitten, *West Hartford Zoning*.

## Chapter 3

## Chapter 3

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<sup>1</sup>Tegeler, *Finding Common Ground*.

<sup>2</sup>Whitten, *West Hartford Zoning*.





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