

Creating an Open Educational Resource on the Participatory Process of Policymaking



Stony Brook **University**

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SUNYLA

June 17, 2021

Origin of the project: Summer, 2020

- Internship opportunity
- Open Educational Resources
- Expertise in Policy Making
- George Floyd/Social Injustice
- OER literature

OER Design Process

Recognize gaps

Test - pilot & audit

Define goals

Produce a prototype

Themes & research

Recognize Gap OER

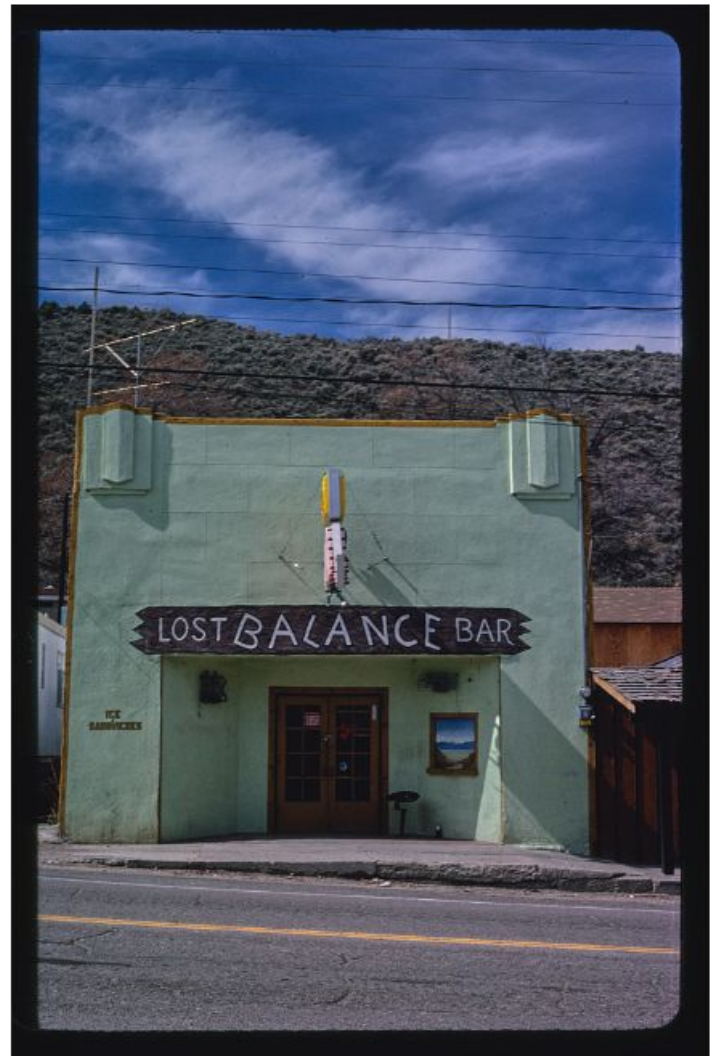
A word cloud of education-related terms. The words are arranged in a roughly circular pattern, tilted at various angles. The most prominent word is "student" in the center. Other large words include "impact" and "social-justice". Smaller words include "moocs", "digital divide", "mission", "quality", "experiences", "gender", "issues", "gaps", "adoption", "oer", "curriculum reform", "cost-savings", "policy", "faculty", "perceptions", and "outcomes". The colors of the words vary, including shades of blue, purple, orange, green, and brown.

social-justice
moocs
digital divide mission quality
student experiences
gender impact issues
gaps adoption oer
curriculum reform cost-savings
policy faculty perceptions
outcomes

Recognize Gap - policy

“From the moment you wake up until the time you go to sleep, regulations influence what you do” (Dudley and Brito, 2011, p. 1).

*Lost Balance Bar, Route 50 Austin, NV,
photograph, John Margolies.1980*

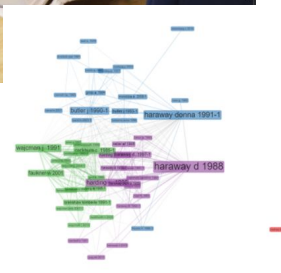




Job Fair. SBU career center website

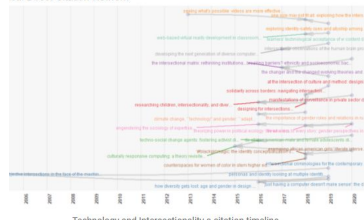
Recognize Gap - Empathy

What do students need? Skills, portfolios?

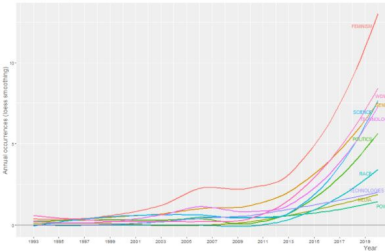


ist Citation Sources

ical Direct Citation Network

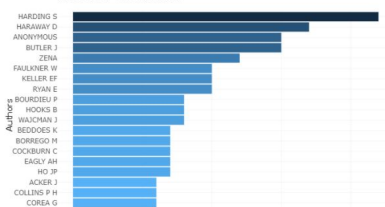


Word Growth

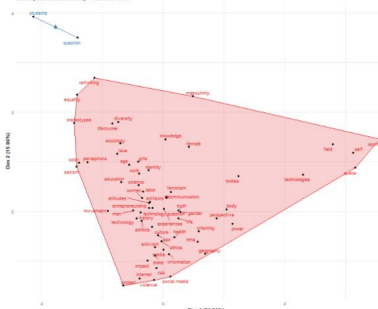


Publications & Key words

Most Local Cited Authors



Conceptual Structure Map - method MCA



Concept Maps

Conceptual Structure Map - method MCA



Define Goals

Design an
Inclusive and Empowering OER.

Document, assess and share it.

[Fortitudo en Justitia. Battista Franco. 1520 - 1561 - Planning-Collected Works of nora vester - All Rijksstudio's - Rijksstudio - Rijksmuseum](#) put attribution on slide



Themes & Research

Gather Materials And Resources

[Italian Landscape
with Umbrella Pines,
Hendrik Voogd, 1807](#)
[- Mijn eerste
verzameling-Collecte
d Works of Jim Burch](#)
[- All Rijksstudio's -
Rijksstudio -
Rijksmuseum](#)



Research themes



Varied views enhance decisions and generate policy justice.

Understanding policy process enables quality input.

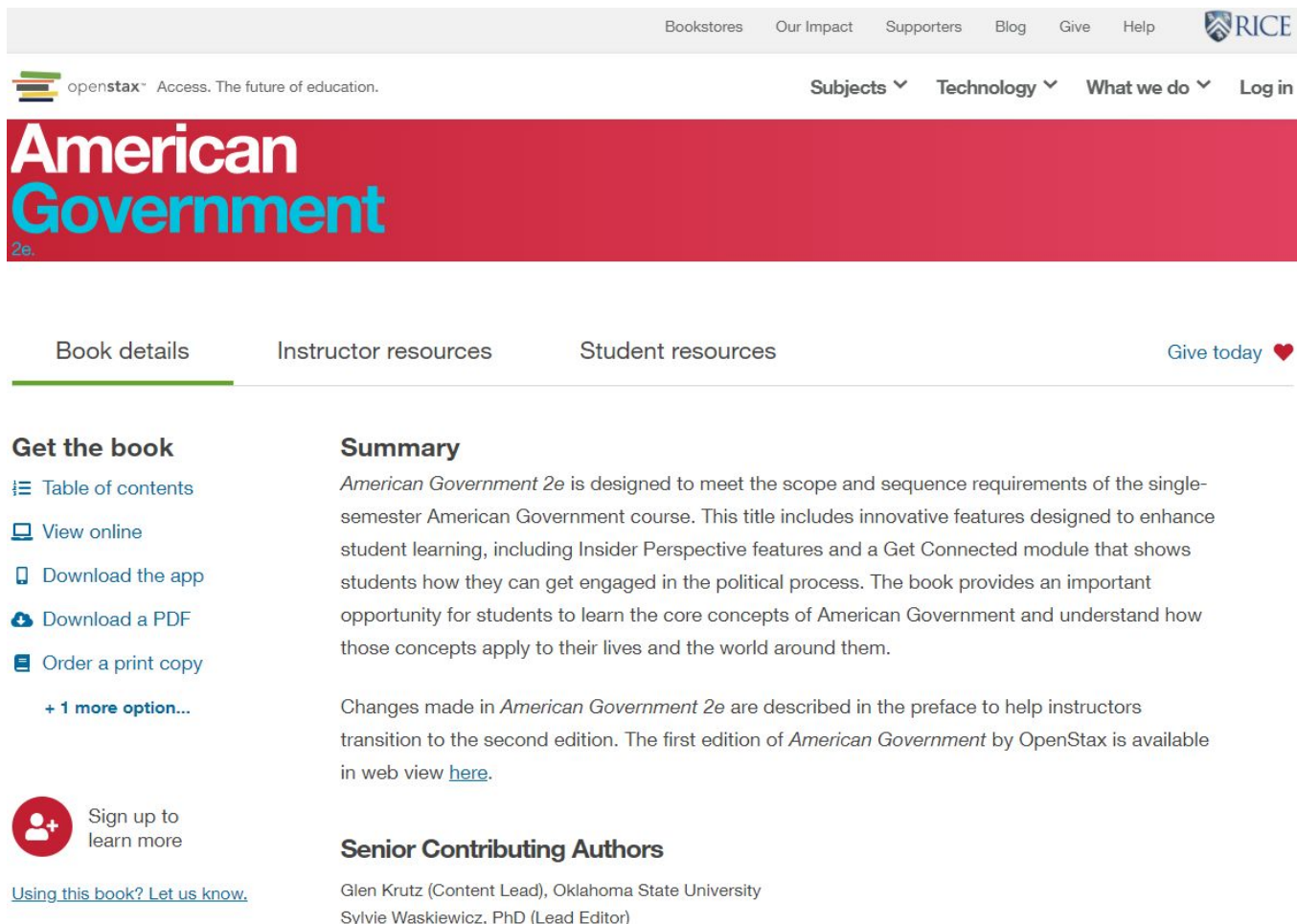
Text can be used as data.

Visualizing information to sharing data with policy makers.


[Italian Landscape with Umbrella Pines, Hendrik Voogd, 1807 -
Mijn eerste verzameling-Collecte Works of Jim Burch - All
Rijksstudio's - Rijksstudio - Rijksmuseum](#)

Open- courseware Resources

Merlot
Oasis
Academic
Commons



The screenshot shows the OpenStax website for the textbook "American Government 2e". The page has a red header with the title "American Government 2e" in white and blue. Below the header are navigation tabs for "Book details", "Instructor resources", and "Student resources", with "Book details" selected. On the right, there is a "Give today" button with a heart icon. The left sidebar contains a "Get the book" section with links for "Table of contents", "View online", "Download the app", "Download a PDF", and "Order a print copy", plus a "+ 1 more option..." link. Below this is a "Sign up to learn more" button. The main content area has a "Summary" section with a paragraph about the book's design and a paragraph about changes in the second edition, including a link to the preface. At the bottom, there is a "Senior Contributing Authors" section listing Glen Krutz and Sylvie Waskiewicz.

Bookstores Our Impact Supporters Blog Give Help 

openstax™ Access. The future of education. Subjects Technology What we do Log in

American Government

2e.

Book details Instructor resources Student resources Give today ❤️

Get the book

- Table of contents
- View online
- Download the app
- Download a PDF
- Order a print copy
- + 1 more option...

Sign up to learn more

[Using this book? Let us know.](#)

Summary

American Government 2e is designed to meet the scope and sequence requirements of the single-semester American Government course. This title includes innovative features designed to enhance student learning, including Insider Perspective features and a Get Connected module that shows students how they can get engaged in the political process. The book provides an important opportunity for students to learn the core concepts of American Government and understand how those concepts apply to their lives and the world around them.

Changes made in *American Government 2e* are described in the preface to help instructors transition to the second edition. The first edition of *American Government* by OpenStax is available in web view [here](#).

Senior Contributing Authors

Glen Krutz (Content Lead), Oklahoma State University
Sylvie Waskiewicz, PhD (Lead Editor)

Federal Policy Resources



The Federal Register - daily newspaper with regulatory notices and info



FEDERAL REGISTER

The Daily Journal of the United States Government



Proposed Rule

Proposed Priorities and Requirement-Innovative Approaches to Literacy

A Proposed Rule by the Education Department on 04/06/2021

This document has a comment period that ends in 30 days. (05/06/2021)

[SUBMIT A FORMAL COMMENT](#)

PUBLISHED DOCUMENT

AGENCY:

Office of Elementary and Secondary Education, Department of Education.

ACTION:

Proposed priorities and requirement.

SUMMARY:

The Department of Education (Department) proposes to establish four priorities

DOCUMENT DETAILS

Printed version:

PDF

Publication Date:

04/06/2021

Agency:

Department of Education

Dates:

We must receive your comments on or before May 6, 2021.

Comments Close:

Regulations.gov
Your Voice in Federal Decision Making

Make a difference. Submit your comments and let your voice be heard.

Search for Rules, Proposed Rules, Notices or Supporting Documents

SUPPORT

Welcome to the new Regulations.gov

The new Regulations.gov is a re-envisioning of the classic Regulations.gov, with enhanced search capabilities, a simplified commenting process, and an interface that adapts to various screen sizes for mobile devices.

[Read More](#)

[Watch Our Introduction Video](#)



What's Trending

ALCOHOL, TOBACCO, FIREARMS, AND EXPLOSIVES BUREAU

Factoring Criteria for Firearms with Attached "Stabilizing Braces"

ALCOHOL, TOBACCO, FIREARMS, AND EXPLOSIVES BUREAU

Definition of Frame or Receiver and Identification of Firearms

Explore

Comments Due Soon

Today 124

Next 3 Days 160

Next 7 Days 184

Posted Recently

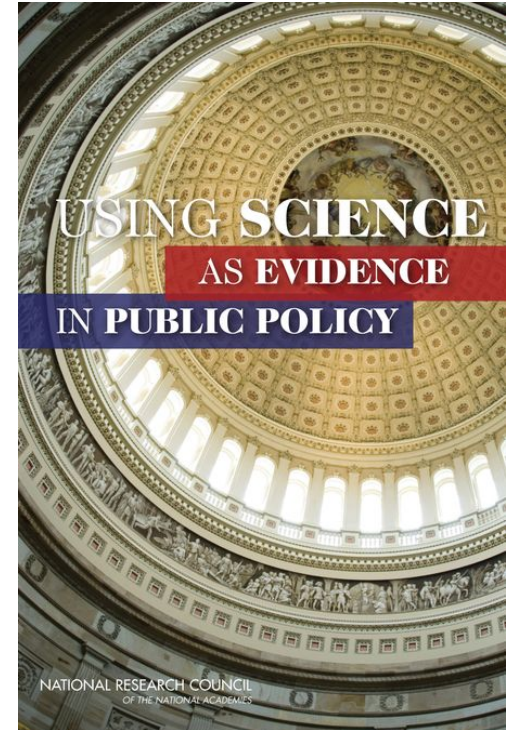
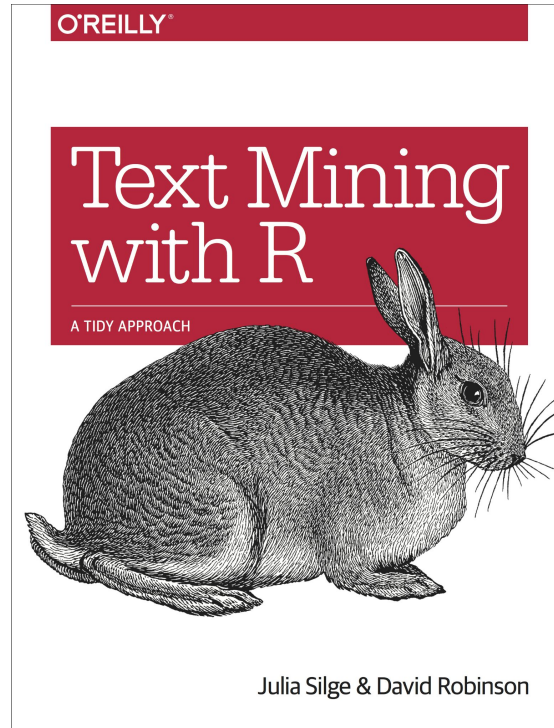
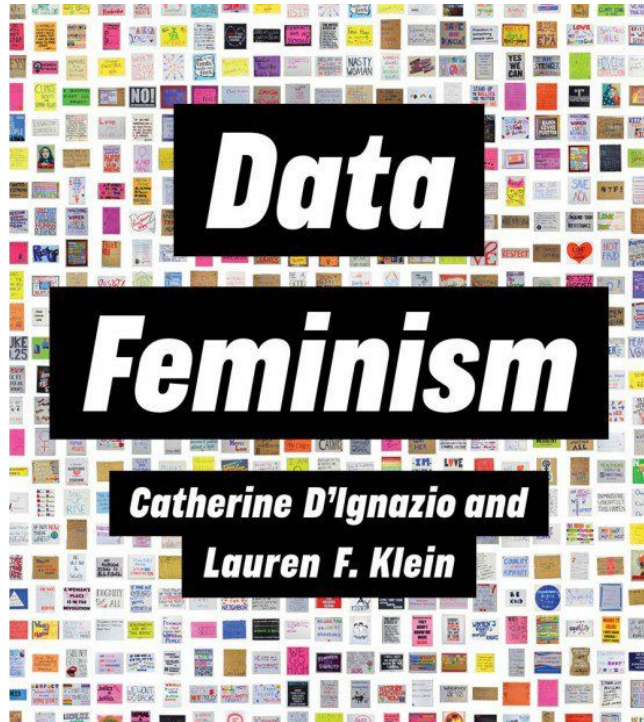
Today 86

Last 3 Days 86

Last 7 Days 421

Dockets

Text Resources



Teaching resources

Teaching

This page will collect information that will be helpful if you want to use this book for teaching. If there are other materials that you know are missing or would like to contribute, please let me know.

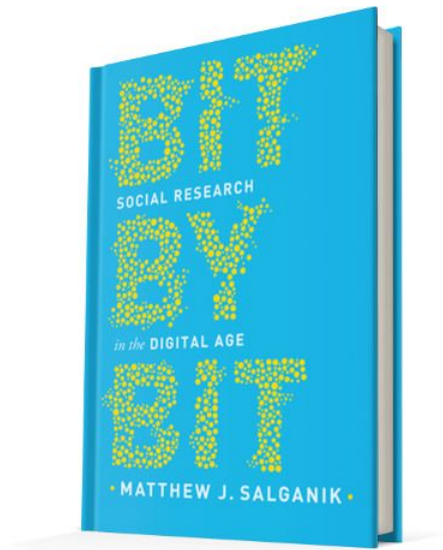
Request an
Examination Copy

Teaching Resources
from the Author

[Syllabus](#) | [Slides](#) | [Video](#)

Courses that have used some or all of *Bit by Bit*

- *Computational Social Science*, Princeton University, taught by Matthew Salganik: [Syllabus](#), [Slides](#)
- *Information Security*, Princeton University, taught by Nick Feamster: [Syllabus](#)
- *Perspectives on Computational Analysis*, University of Chicago, taught by Richard Evans and Benjamin Soltoff: [Syllabus 2017](#) and [Syllabus 2018](#)
- *Sociology in the Age of "Big Data"*, Yale University, taught by Joscha Legewie.
- *Data: Past, Present, and Future*, Columbia University, taught by Matthew Jones and Chris Wiggins: [Course materials](#)
- *Knowledge Media Design: Applications in Knowledge Media*, University of Toronto, Jeffrey Boase: [Syllabus](#)
- *Using Digital Trace Data in the Social Sciences*, University of Konstanz, taught by Andreas Jungherr: [Syllabus](#)
- *Summer Institute in Computational Social Science*, taught by Chris Bail and Matthew Salganik: [Slides & Code](#) and [Videos](#)
- *Measurement Models and Statistical Computing* (POIR 613), University of Southern California, taught by Pablo Barberá: [Syllabus](#)
- *Audience Research and Behavior* (MCO 436), Arizona State University, taught by K. Hazel Kwon: [Syllabus](#)
- *Data Science for Social Research: An Introduction* (FES 611a), Yale University, taught by Justin Farrell: [Syllabus](#)



Computational Social Science: Social Research in the Digital Age

Sociology 596
Princeton University
Fall 2016

Tuesday 2pm-5pm (first half of semester)
165 Wallace Hall
Course materials: [class github repository](#)
Instructor: [Matthew Salganik](#)

Overview

Changes in technology—specifically the transition from the analog age to the digital age is about doing social research in these new ways. Unlike some other courses on "computation," we will focus on how traditional concepts of research design in the social sciences might require us to update our thinking on research design. The course should be about social science.

Course goals and learning objectives

1. Students will *describe* the opportunities and challenges that the digital age presents.
2. Students will *evaluate* modern social research from the perspectives of both traditional and digital social science.
3. Students will *create* modern research proposals that blend ideas from sociology and computer science.
4. Students will *practice* the techniques needed to actually conduct their proposed research.

Course activities

- *Collaborative annotation and feedback* (x5): During this course we will read from this manuscript, there will be two assignments. First, you will participate in a [collaborative annotation page](#). Second, you should post to Piazza ideas about how each chapter of the book relates to the course material that we will discuss on Tuesday.

Policy Expertise Resources

Conglianese, C. (2002)

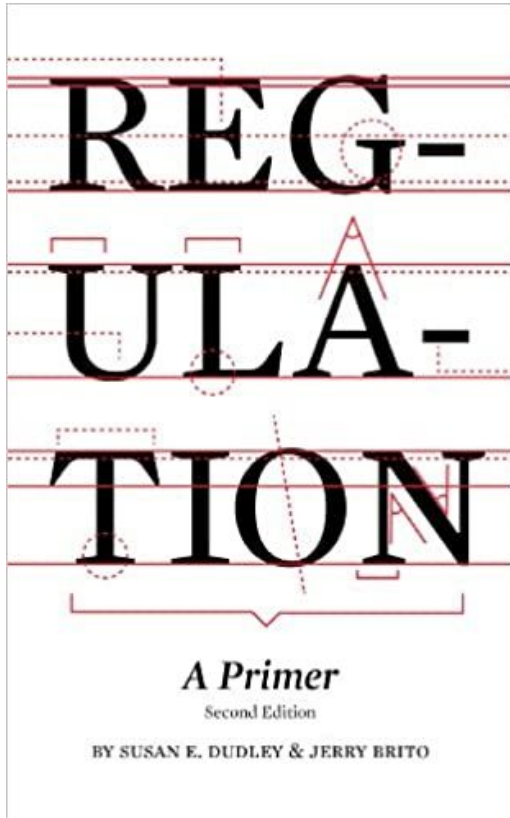
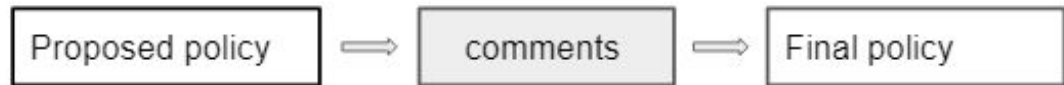
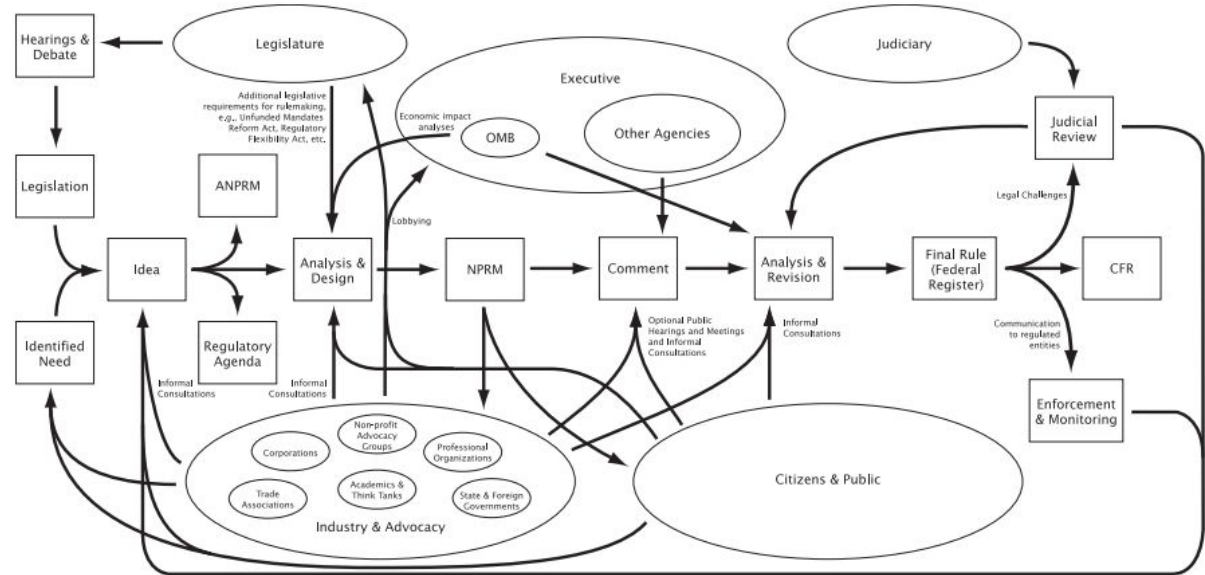


Figure 3: Complex Reality of Rulemaking



Video Resources



Susan Webb Yackee on Bureaucracy and Rule-Making (complete interview)



Susan Webb Yackee on Bureaucracy and Rule-Making (complete interview)

Duration: 17:27
User: n/a - Added: 7/27/10

Watch Video

This item is available with permission of Susan Web Yackee



Welcome to the new Regulations.gov



Welcome to the new Regulations.gov

Duration: 4:16
User: n/a - Added: 1/29/21

Watch Video

How to find current regulations, search comments, read supporting materials and add your comments.



Fred Emery and Andrew Emery, A Modest Proposal, Improve e-rulemaking by Improving Comments

Data dashboard resources

Comparative agendas project. Mood on Immigration & Exec. Orders



Get Updates



Pin chart

Reset tool

help

Policies Budgets Chart History

Select projects 1

Select dataset types 1

- Parliamentary & Legislative
- Prime Minister & Executive
- Political Parties
- Media
- Public Opinion & Interest Groups
- Judiciary

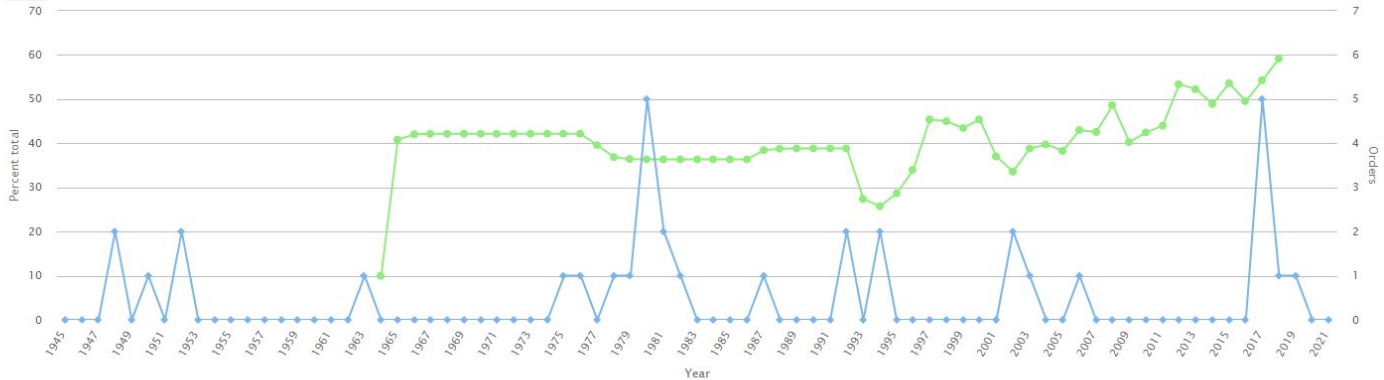
Select policy topics 5

Add series to chart

Click on a series below to add it to the chart.

- US: Exec Orders #Civil Rights ✓
- US: Exec Orders #Labor ✓
- US: Exec Orders #Transportation ✓
- US: Exec Orders #Social Welfare ✓
- US: SOTU #Civil Rights ✓
- US: SOTU #Labor ✓
- US: SOTU #Immigration ✓
- US: SOTU #Transportation ✓
- US: SOTU #Social Welfare ✓

Edit Explore



- US: Policy Moods #Immigration
- US: Exec Orders #Immigration

Click on data points to see underlying data.

	US: Policy Moods #Immigration	US: Exec Orders #Immigration
1945		0
1946		0

Data tools and resources

Open Secrets.org

Industry Profile: Automotive

Summary Lobbyists Background

\$70,863,666

Total Spent on Automotive,
2017

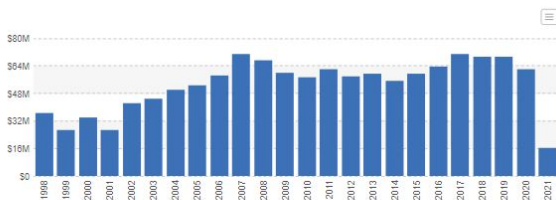
98

Number of Clients

545 (73.76%)

Number of Lobbyists/Percent
of Former Government
Employees

Annual Lobbying on Automotive



See also: [Campaign Contributions from this industry](#)

View totals by: Client/Parent

Export to CSV

LEARNING CENTER



Learn the Basics About Campaign Finance

Learn the basics, like "10 things every voter should know," and more about campaign finance.

[Learn the basics >](#)



Investigate Every Aspect of Money in Politics

These data sets are a goldmine for academics as well as journalists and interested citizens.

[Find academic research >](#)



Create Tools To Empower Citizens

Build your own tools, design your own mashups or simply display a widget of information based on our comprehensive resources.

[Build your own tools >](#)

INFORM, EMPOWER & ADVOCATE

OpenSecrets is the nation's top resource for clear and unbiased information.

Ruth Marcus, columnist, *The Washington Post*

The Center for Responsive Politics has made itself into an essential Washington — actually, make that an essential national — institution. Now more than ever, with the proliferation of super PACs and 501(c)(4) groups pouring huge sums into campaigns, it's critical to have a reliable and handy source of information on money and politics. Opensecrets.org is the go-to site for this data — trustworthy, accessible and well-presented.

Library Resources

Databases:

Roper Center

Web of Science

Nexis Uni

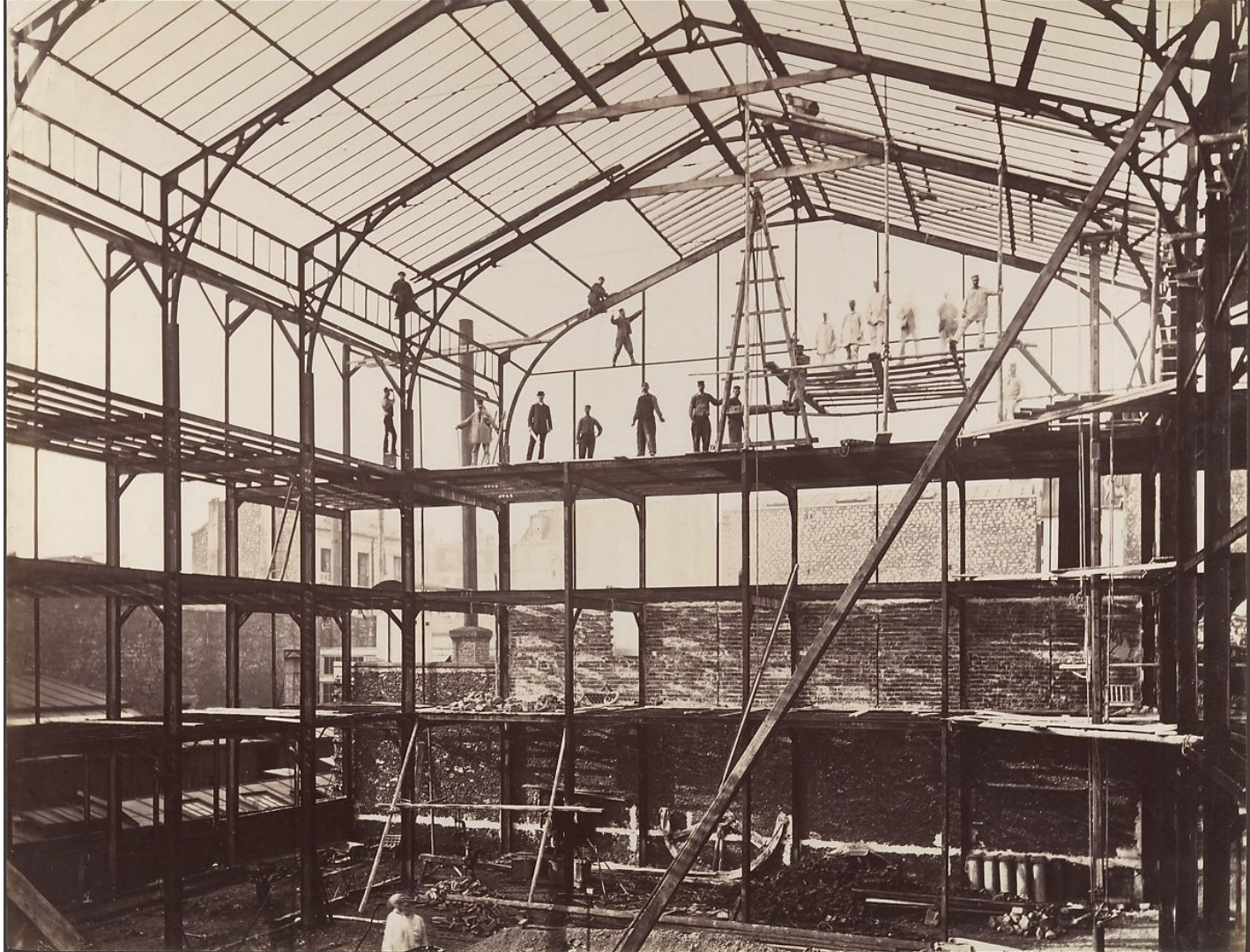
Recording Software:



Produce a Prototype

organizing materials
Online course artifact
modular

[Louis Lafon](#) | [\[Construction Site\]](#) | [The Metropolitan Museum of Art](#) ([metmuseum.org](#))



Prototype Using Modules

Course Modules

Build Content ▾ Assessments ▾ Tools ▾ Partner Content ▾

YOUR VOICE IN POLICY PARTICIPATION, The OER - Open Educational Resource

Supplementary Course notes and credits

Module 1 - Introducing the Fourth Branch & Why Policy Matters?

- Why Policy Matters
 - Understanding Power
 - Connecting Power and Policy
- Regulation in the United States
 - The impact of regulations on day to day life
- Regulations and Governance
 - Constitution
 - Federalist papers
 - Declaration of Independence
 - Articles of Confederation
- Research Resources
 - Library resources - Databases
 - Government web resources
 - OER - (this course and other materials)
 - Data Science Resources

Module 2 - Administrative Agencies and the APA

The Administrative Procedure Act

- Agency Accountability - rule writing - authority and issues
- Rule making process
- Tracking the rule making process - the Federal Register, the Code of Federal Rule making

Agency Web pages - missions

Politics and Agencies

- Cabinet roles
- Political Appointees
- Civil Servants
- legal experts, subject experts, researchers

COURSE MANAGEMENT

- ▾ Control Panel
- ▾ Content Collection →
- ▾ Course Tools
- ▾ Evaluation →
- ▾ Grade Center →
- ▾ Users and Groups
- ▾ Customization →
- ▾ Packages and Utilities →
- ▾ Help

Prototype accessibility

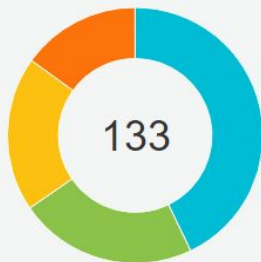
Course accessibility score



*EST 444 - Template

Overview

Content



All course content

■ External link	57
■ Item	30
■ Folder	26
■ Image	20

View



Content with the easiest issues to fix

13

Start



Fix low scoring content

1

Start

Test - pilot course



[The Third Gordon Bennett Balloon Race, anonymous, 1908 - Space // Astronomy-Collected Works of Sean - All Rijksstudio's - Rijksstudio - Rijksmuseum](#)

Weekly Classes

Build Content

Assessments

Tools

Partner Content



Pre-Course Welcome Folder



Each folder has multiple modules for the week within. Click on the folder name to open it.



Week 1 Introducing the Fourth Branch, May 24 - May 30

Learn what to expect and how to succeed in this course - [Read the SYLLABUS](#)

As a sneak preview, the first week's content is open early. Your initial posts and assignments will show on Friday

Assignment time windows are tight to ensure there is peer discussion within the needed time frame.

[Introducing the Fourth Branch - Content Module 1](#)

[The Rule-Writers, Administrative agencies and the APA - Content Module 2](#)

[Policy Making, Administrative Law | Regulations as a System - Content Module 3](#)

[Navigating the Policy Environment Data Science Module 1](#)

[Selecting a Policy of Interest Data Science Module 2](#)



Week 2 - Policy Design and System Pressures, May 31- June 6

[Policy Design, Public Opinion and Politics - Content Module 4](#)

[The Executive Branch - Content Module 5](#)

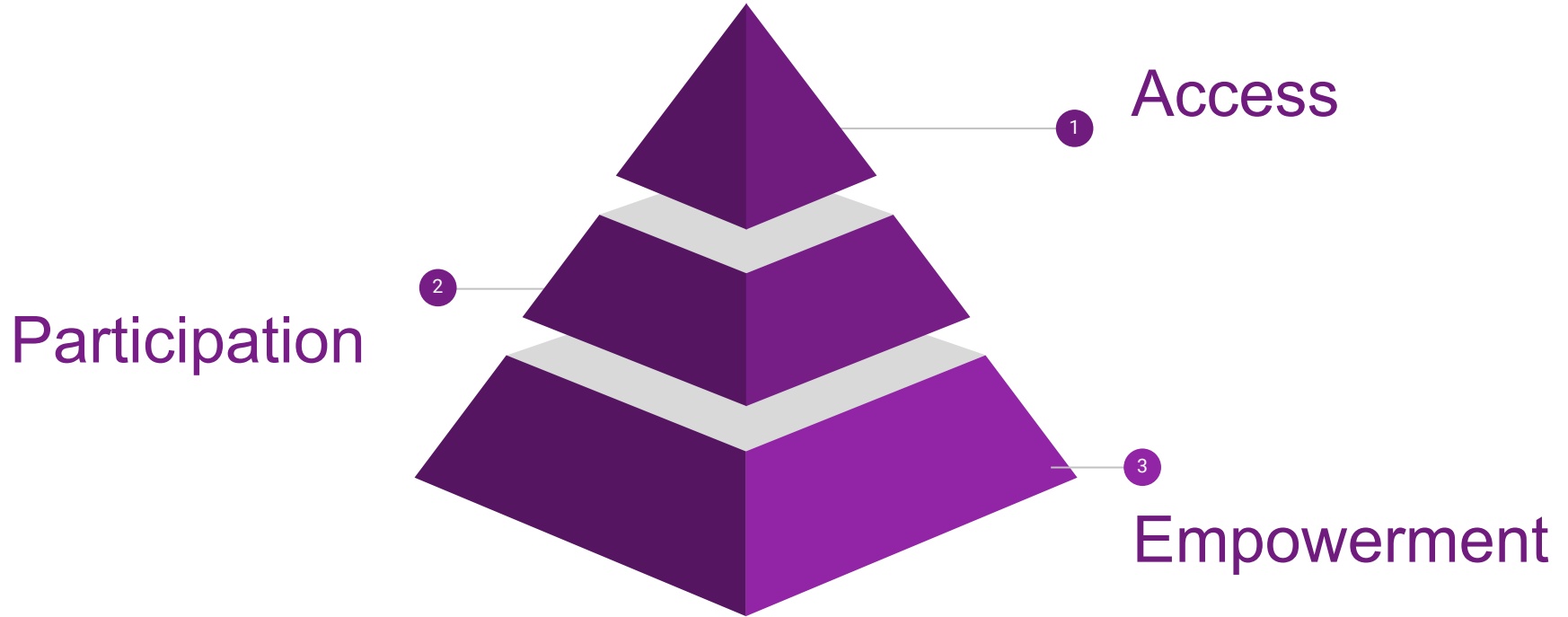
[Understanding Stakeholder Opinions: General Public and Academic Views - Data Module 3](#)

[Relationships of Researchers and Policy Makers: Information and Funding - Data Module 4](#)



Week 3 - Notice and Comment Rulemaking, June 7 - June 13

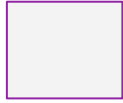
Test - building an Inclusion Audit



“Social inclusion as a nested schema with degrees”

Adapted from Gidley, et. al, (2010) and used in Arinto (2017)

Inclusion Audit Checklist



Access Is content clearly labeled, readable and easily accessible?

Does the syllabus includes a diversity and inclusion statement?

Does the course provide content at a level accessible to all?

Does the course offer a mixture of learning modes?

Do data exercises build knowledge gradually?

Are students' work schedules accomodated?

Is the course easy to find and enroll in?

Are the materials available for free?



Participation (pedagogy)

Is the course learner centered? Does it meet student needs?

Intellectual scope: Does content span a range of views?

Is the learning process collaborative and project based?

Did the course expand concepts across disciplines?

Do students create content and share findings?



Empowerment

Do student projects thrive outside course context as a digital portfolio?

Does the student learn life-long skills about citizenship and power?

Is the experience transformative?



Takeaways...

Starting from scratch, working with available resources

Showcase library resources

Collaboration

Feedback

Iterate

Ask



Harbor of Boston, with the City in the Distance, c. 1846-1847. Fitz Henry Lane (American, 1804-1865). Oil on canvas; framed: 66 x 104.8 x 14 cm (26 x 41 1/4 x 5 1/2 in.); unframed: 43.2 x 68.6 cm (17 x 27 in.). The Cleveland Museum of Art, Leonard C. Hanna, Jr. Fund and partial gift of Travers Newton, Joanna Newton Riccardi and Georgia Newton Pulos 2004.35

Thank You

Special thanks to

STRIDE Fellowship Program

Stony Brook University Libraries

SBU's Center for Excellence in Teaching and Learning

Stony Brook University College of Engineering and Applied Science, Department
of Technology and Society



Stony Brook **University**

And for sharing their content with our OER, to

Susan W. Dudley and Jeffrey Brito

Andrew Emery

Cary Coglianese

Susan Webb Yackee

And to Catherine D' Ignazio and Lauren F. Klein's Data Feminism, for inspiration.

Bibliography

Arinto, P. B., Hodgkinson-Williams, C. & Trotter, H. (2017). OER and OEP in the Global South: Implications and recommendations for social inclusion. In C. Hodgkinson-Williams & P. B. Arinto (Eds.), *Adoption and impact of OER in the Global South*. Chapter 16 advance chapter. Retrieved from <http://dx.doi.org/10.5281/zenodo.1043830>

Dudley, Susan E, and Jerry Brito. 2012. [*Regulation: A Primer*](#). Second edi. Mercatus Center, George Mason University, The George Washington University Regulatory Studies Center.

Emery, Fred, and Emery, Andrew. 2005. A Modest Proposal: Improving E-Rulemaking by Improving Comments, *Administrative and Regulatory Law News*, Vol 31, No. 1.

Farina, Cynthia R, and Mary J Newhart. 2013. "Scholarship@Cornell Law: A Digital Repository Rulemaking 2.0: Understanding and Getting Better Public Participation." <http://scholarship.law.cornell.edu/cerihhttp://scholarship.law.cornell.edu/ceri/15>.

Gidley, J., Hampson, G., Wheeler, L. & Bereded-Samuel, E. (2010). Social inclusion: Context, theory and practice. *The Australasian Journal of University-Community Engagement*, 5(1), 6–36. Retrieved from <https://researchbank.rmit.edu.au/view/rmit:490>

Kerwin, Cornelius M. 2003. *Rulemaking, How Government Agencies Write Law and Make Policy*, Third Edition, , CQ Press 2003

Salganik, Matthew J. 2017. *Bit by Bit: Social Research in the Digital Age*. Princeton, NJ: Princeton University Press. [Open review edition](#)

[Stanford D. School's, Design Thinking research](#). Link to webpage

Ulrich, Karl, 2005-2011. *Design Creation of Artifacts in Society*, University of Pennsylvania, c. 2005-2011, edition 1

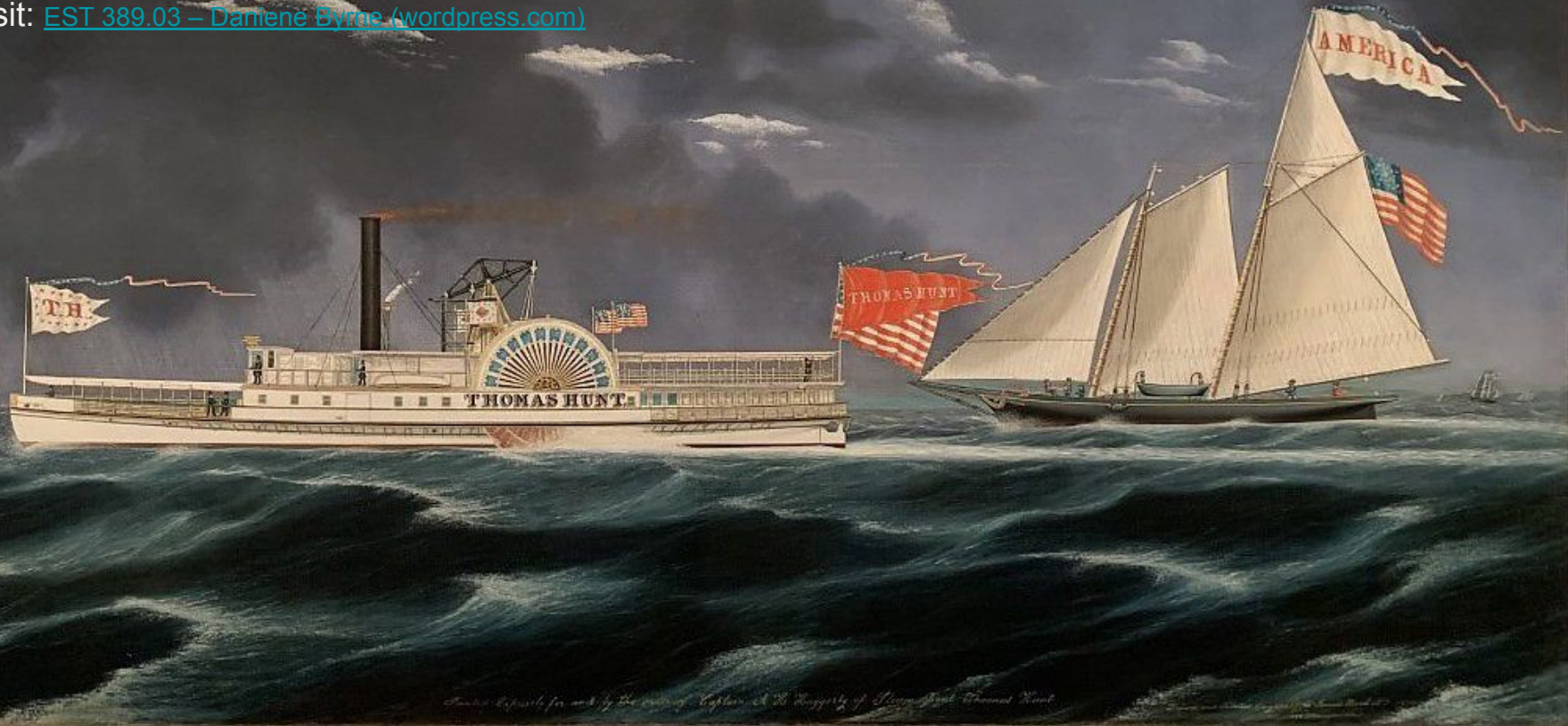
All images in this presentation have been selected from open source web pages: Details and links are embedded in the slides
[The Metropolitan Museum of Art, NY](#); [The Cleveland Museum of Art, Ohio](#); [The Rijksmuseum, Amsterdam](#)

Image descriptions by slide number, images are all hyperlinked.

- Slide 4: Word cloud “OER and Justice”, generated by Daniene using web of science dataset and Biblioshiny app in R running R 3.4.3
- Slide 5, John Margioles, 1980 Photograph, Lost Balance Bar, collection of the Library of Congress.
- Slide 6: Photograph SBU promotional materials, Data visualizations, screenshot of visuals, created in Biblioshiny by Daniene Byrne
- Slide 7: Fortitudo en Justitia, Battista Franco, 1520 - 1561 engraving, h 195mm × w 187mm from Rijksmuseum
- Slide 8: italian Landscape with Umbrella pines,by, Hendrik Voogd, 1807, from Rijksmuseum
- Slide 9: Detail of above
- Slide 10: Screenshots from federalregister.gov,(left) and regulations.gov(right)
- Slide 11: Book Covers, cited above
- Slide 12: Bit by Bit, cited above
- Slide 13. Cover of Regulation a Primer, cited above, Cary Coglianese, 2002. report E-Rulemaking: Information Technology and Regulatory Policy found on page 20 *Figure 3: Complex Reality of Rulemaking*
- Slide 14. Screenshot of course resource page
- Slide 15. Screenshot of Open-Stax American Government E book, Krutz and Waskiewicz, Lead Editors
- Slide 16. Image from Comparative Agendas project see: comparativeagendas.info
- Slide 17. Image from Opensecrets.org and screenshot of web tools on Opensecrets.org
- Slide 18. Image from Webcasting software
- Slide 19. Photograph, [Louis Lafon | \[Construction Site\] 1880. | The Metropolitan Museum of Art \(metmuseum.org\)](#)
- Slide 20, 21 and 22, Screenshots from Blackboard Courseware
- Slide 22. [1908, Anonymous, Third Gordon Bennett Balloon Race.,collection of 20th century photography Reijksmuseum](#)
- Slide 25. Jacques Stella, 1640-50, [Five Men Pushing a Block of Stone | The Metropolitan Museum of Art \(metmuseum.org\)](#)
- Slide 26. Fitz Henry Lane, [Harbor of Boston, with the City in the Distance, oil on canvas, Cleveland Museum of Art](#)
- Slide 30. James Bard, 1852, [The Thomas Hunt and the America](#), oil on canvas

For more information contact:
Daniene.Byrne@stonybrook.edu

Or visit: [EST 389.03 – Daniene Byrne \(wordpress.com\)](http://EST389.03-DanieneByrne.wordpress.com)



Supplementary notes

Resources from Government Agencies



National Science Foundation
WHERE DISCOVERIES BEGIN

SEARCH



HOME

RESEARCH AREAS

FUNDING

AWARDS

DOCUMENT LIBRARY

NEWS

ABOUT NSF

Simple Search

Advanced Search

Popular Searches

Download Awards

Send Comments

Award Search Help

Awards Simple Search

[Overview of Award Search Features](#)

Search award for:

Search

Use double quotes for exact search. For example "water vapor".

Active Awards

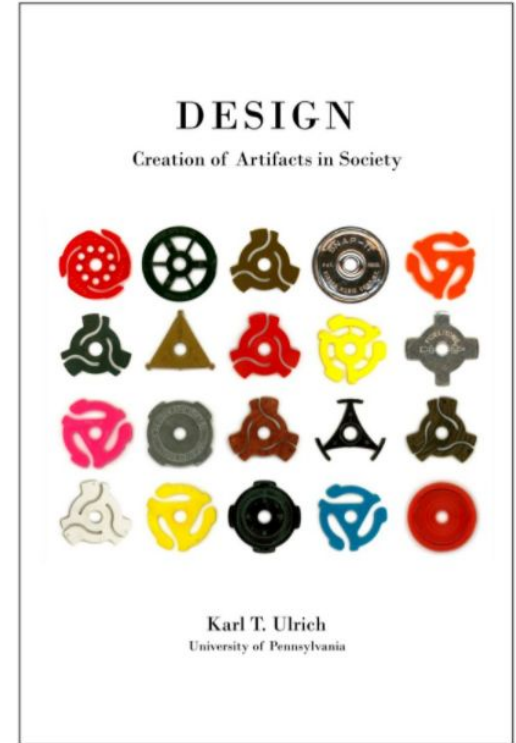
Expired Awards

Open design Resources- linked here



Author/Copyright holder: Teo Yu Siang and Interaction Design Foundation. Copyright terms and licence: CC BY-NC-SA 3.

Concepts from Stanford Design School, Design Thinking.



Using a GitHub projects page for project organization and resource management

The screenshot displays a GitHub Projects page for the project "Public Comment Course / Internship", updated 12 days ago. The page is organized into columns representing different stages or categories of work. The first column, "Course Goals & Purpose - Description", contains cards detailing the course's special features, curriculum process, and updated word counts. The second column, "Journal", includes cards about meetings with Kevin, Raphael, and Mona, as well as a meeting to discuss building course content. The third column, "Time Table & Tasks", lists tasks such as preparing for a June 2021 conference, creating a semester course, and updating additional time tables. The fourth column, "Course Outline - Draft", contains cards for links to approved forms, curriculum committee forms, and course outlines. The fifth column, "Skill sets", lists tasks like website creation, prioritizing accessibility navigation, and defining basic regulatory research skills. The sixth column, "Resources", includes cards for recommendations, accessible law library, regulations.gov, and various research tools and manifests. The right side of the page shows a "Filter cards" section and a list of additional cards, including those related to accessibility, OER, and copyright information, as well as various educational resources and open access journals.