Scratchpad for the Computational Law "DataVR" Workshop

This workshop successfully concluded on January 24th.
- For more information, check out the workshop landing page, at: https://github.com/ComputationalLaw/MIT-IAP-2017-DataVR/wiki/Syllabus
- To follow or participate in the next two Computational Law sessions on January 30+31, check out: http://mit-course.computationallaw.org/

Jan 24/Day 2: Urgent Questions & Comments

- *This is especially for online participants. Use this to pose urgent questions or comments and to quickly provide the right gmail to join a hangout or access a file*

Name	Question/Idea/Comment	Replies/Status
Dazza Greenwood	We are starting at about 2:20pm Eastern today. See you online! Stephanie - here is link for Hangout report out for your project team: https://hangouts.google.com/call/hsdhb6pharfnrbyb4lh5ji3liue	
Kshitiz Verma	My question is rather silly. Where are we supposed to visualize the data? I have some network data but I don't have windows installed on my system. So I guess I cannot use simmetri. Is it mandatory to install simmetri or A-Frame or there is some online	Kshitiz, you don't need windows to use a-frame. You can go to codepen.io, put the a-frame script

	interface as well?	reference in the <head> tag with the head icon, and start adding a-entities. Follow the docs on aframe.io.
Chris Lowery	D3 is a strong open source library for dataviz. It interacts well with A-Frame for VR: http://blockbuilder.org/search#text=aframe Learn D3's commands here: https://github.com/d3/d3/blob/master/API.md ScatterViz' demo uses this: https://github.com/bryik/aframe-scatter-component	(Comment - no action needed)

Project and Teams

Project Overview	Questions	Team
## Name: Before It's Too Late **Blurb:** Bring climate change data into VR **Team PoC**: Hanson Gong **Project Site:** vrbeforeitstoolate.org **Project Scratch Pad:** https://docs.google.com/document/d/14Sb_aTP1RDs1j-PyZQ5HpvuKjdfZf9gQSpTTLElIM8s/edit **Data:** DATA ─────── **Project Slides:** https://docs.google.com/presentation/d/1cfpayqcqfT4MN50KhOHbzEFytVunJk-5fKJ03Kg8JF0/edit#slide=id.g1a7aafe551_1_6		Pat McCormick Bill Wendel (real estate angle) Rick Gilles
## Name: ScatterViz Blurb: Hold Cambridge population data in your hand. Team PoC: Chris Lowery URL: https://scatterviz.neocities.org/census.html		Pat McCormick Elliott Hibbler David Byrne Gladys James Chao

Dataset: https://data.cambridgema.gov/Neighborhood-Census-Data/1980-2010-Census-Data-by-Neighborhood/veht-2mkm Adapted from a plot by bryik: http://blockbuilder.org/bryik/1a4d7eab9512400de3c03086f03016c8 Civic data: (matthew somerville) http://traintimes.org.uk/map/tube Recommended pivot table jQuery component: https://github.com/janusschmidt/jquery.pivot Flying over the UK A-Frame+D3 geospatial demo: http://blockbuilder.org/almossawi/facd3cb8b6b3dd1a7beeeb2867c46ff9 ——— **Project Slides:** https://docs.google.com/presentation/d/1cfpayqcqfT4MN50KhOHbzEFytVunJk-5fKJ03Kg8JF0/edit#slide=id.g1a7aafe551_1_10		
Name: DataVR & K-12 **Blurb:** Classroom uses for VR data visualisation **Team PoC:** Stephanie Mendoza **Wiki page of resources**: https://github.com/ComputationalLaw/MIT-IAP-2017-DataVR/wiki/Classroom-and-Learning-Project Lake Erie underwater VR stage: http://fasility.com/vr/minihack/depth.html Dataset: http://www.miseagrant.umich.edu/lessons/lessons/by-broad-concept/physical-science/data-sets/dissolved-oxygen-and-temperature-in-lake-erie/ ——— **Project Slides:** https://docs.google.com/presentation/d/1cfpayqcqfT4MN50KhOHbzEFytVunJk-5fKJ03Kg8JF0/edit#slide=id.p		Kathy Trogolo Stephanie Mendoza Dazza Greenwood

Jan 24/Day 2: General Discussion

Participant	Question/Comment	Reply/Status

Jan 23/Day 1: General Discussion (Archive)

Participant	Question/Comment	Reply/Status
Renata Barreto..	How do we get access to the A-Frame program?	**ANSWERED** A-Frame resources are available here: https://aframe.io Stephanie - what would you say?? <head> <script src="https://aframe.io/releases/0.4.0/aframe.min.js"></script> </head> This basically, just put the library in the document head.
Tuhin Chatterjee	Is it possible to visualize legal data, e.g. a legal document in A-Frame. For example, like this-	**ANSWERED** **Dazza:** Tuhin - great direction. In a moment during project pitch session, let's see who else else is interested and maybe come up with a team project! ● Can you provide a link to what you mentioned? **Response from Tuhin**: Yes, sure. For your convenience, I am sending a link of its XML file format. http://files.rcsb.org/view/5UDP.xml

	Its a 3D view of synthetic insulin. Is it possible to visualize legal document in similar way in A-Frame?	**Erc B**.: I'd love to see a 3D *last will and testament* Dazza: Visualization of legal data is becoming more prevalent in general and is a good candidate for VR. Eric suggests a 3D will. A document is data (very little and in natural language rather than computable structures) but sure, one could represent the legal instrument as 3D objects and other information in a VR environment. A testamentary trust might provide more to work with. Better yet would be high volumes of high velocity streams of highly structured legal data, such as daily filings of disclosures to the SEC in pure text format, UTF-8 encoding and XBRL structure defined by the SEC electronic filing regulation and guidance (specifying the XML schema, data dictionaries, metadata and other easy to compute goodies) **Chris**: VR does not support HTML directly. To replicate documents as Dazza suggests you'll need this component: https://github.com/mayognaise/aframe-html-shader Your pic reminds me of D3's ribbon generator! https://github.com/d3/d3-chord/blob/master/README.md#ribbon
Christine Vandevoorde	Where is the link for online participants for google hangout?	**ANSWERED** **UPDATE**: Links for the session on Day 2 are included in the Syllabus ____ Yes - sending to you now Need your gmail address again please? Here: christine.vandev13@gmail.com or cmvandev@berkeley.edu

		Thanks! Please could you send it to me as well? Thanks! briancon.maximilien@gmail.com vermasharp@gmail.com Me too please -- rbarreto@berkeley.edu
Eric B.	Here are some Las Vegas city open datasets https://opendata.lasvegasnevada.gov/browse?limitTo=datasets Cambridge: https://data.cambridgema.gov/browse	**ANSWERED** For relevant Cambridge city data, have a look at their awesome deployment of municipal ordinances in "best practice" statesdecoded format, here: http://code.cambridgema.gov/ Documentation of the json structure and API: https://github.com/statedecoded/statedecoded
Aamena Alshamsi	Product Trade between Origin and Destination Country by Year (bilateral) Available at http://atlas.media.mit.edu/en/resources/data/	**ANSWERED** Could you say a few words about how you might represent this data in a VR environment and maybe speculate as to how a user might be able to understand or answer some common question with the data faster or better than with "flat screen" display?.
Rick Gilles	Collected resources on VR for business data viz + VR	**No Action Needed** https://github.com/DataVR/MIT-IAP-2017/wiki/Class-Materials