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revision history

DAT-203: Visualization and warehousing Course schedule | CCAC | FALL 2020 | North Campus

course	date	wk no.	session links	learning objectives	out-of-class work
DAT-203	Monday 31-AUG-2020	1	*Session Recording*  Visualize yourself Navya sample visualization 	Design a personally relevant data gathering project	1. Create a git repo for your visualize yourself project 2. Make an entry in our visualize yourself tracker (linked at the top of the module page)
DAT-203	Monday 7-SEP-2020	XX	LABOR DAY:NO CLASS		
DAT-203	Monday 14-SEP-2020	2	Indicies Aggregating measures with indicies Categorical data I: Country-level		*Visualize Yourself: Factor model* Please create a factor model with your core outcome variable and your theory about its primary influencing factors. Compose this by hand, with a pen, or in software. Upload the image to your repository on git. Use markdown to describe the

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			development indicies Aggregating measures with indicies		image and embed it in your markdown script. Remember , make the file called `readme.md`. master markdown tutorial *Internet Encyclopedic Source Quality* Create a sharable directory Create a spreadsheet to compute index values for wikipedia and non-wikipedia sources Choose three underlying measures of quality, with accompanying documentation such that we can assess test-retest reliability across testers. Devise a sampling mechanism in which you assess the quality of at least 6 topics on both wikipedia.org AND the next highest quality available encyclopedic source. Meaning: You should find some third party to choose your sampled topics. Create a directory in our shared drive linked below and upload your findings. Please record the actual URL of both wikipedia and non-wikipedia sources used so they can be retested. Use first names only on files. Shared onedrive for uploads

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DAT-203	Monday 21-SEP-2020	3	Categorical data II: Visualizing categorical data over time Aggregating measures with indicies Shared google doc of index explorations		Prepare a final, fully-baked version of a figure showing change in your chosen indexes during the end of the cold war. Include a beefy title, source attribution, well-formatted lines, and a caption discussing what changes are visible.
DAT-203	Monday 28-SEP-2020	4			
DAT-203	Monday 5-OCT-2020	5	Visualize yourself	Create and Elaborate on a data project plan	1. Dedicate time to fully planning your project using our phase guide for phase 1: planning 2. Proceed through phase 2 and 3: building a quantitative scale data gathering instrument. Begin using your tool informally for beta testing and recording your observations
DAT-203	Monday 12-OCT-2020	6	Mid-term grade proposals: Meet in person at North You'll be asked to propose a fair mid-term grade based on work completed up to that moment Review beta data		1. Read your assigned chapter in the Tofte book 2. Distill down 3-6 key points from your chapter to share with the class 3. Choose 3 visualziations by other folks related to the topic of your donation solicitation letter

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			tools Visualize yourself		4. Discuss your chapter's principles as applied to your chosen visualizations. Rememeber, you can find examples and "non-examples" of the book principles 5. Create an audience profile for your data visualization
DAT-203	Monday 19-OCT-2020	7	Data for Good 1. Read your assigne chapter in the Tofte book 2. Distill down 3-6 key points from your chapter to share with the class 3. Choose 3 visualziations by other folks related to the topic of your donation solicitation letter 4. Discuss your chapter's principles as applied to your chosen visualizations. Rememeber, you can find examples and "non-examples" of the book principles		What is a rug plot useful for? Tufte p. 135

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			5. Create an audience profile for your data visualization		
DAT-203	Monday 26-OCT-2020	8			
DAT-203	Monday 2-NOV-2020	9			Please continue gathering data for your personal data project and the data-for-good mini project.
DAT-203	Monday 9-NOV-2020	10	Book notes Vis Display [Tofte] Shared Notes Databaseify your vis-of-self Databases		Please prepare to create a data warehouse with your data by first creating a simple relational database in which to store your evolving information about yourself Create a SQL script which creates a database and appropriately linked tables in which you can readily insert your data. Upload your SQL script to your project github repository before next class on warehousing
DAT-203	Monday 16-NOV-2020	11			
DAT-203	Monday 16-NOV-2020	XX	TURKEY DAY BREAK ALL WEEK		
DAT-203	Monday 30-NOV-2020	12	Screen cast of database workshopping Tofte chapter notes		

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			Database/project check-in		
DAT-203	Monday 7-DEC-2020	13	Analytics: numpy and pandas Extracting and visualizing data Please be ready to do some select statements on your database in python or R and we'll tinker with Pandas		
DAT-203	Monday 14-DEC-2020	14	Share final projects Git repo creation and pushing to remote		
DAT-203	Thursday 7-May-2020	14	Meet via Zoom MtngID: 614 961 8122 Ph:+1 646-558-8656		