
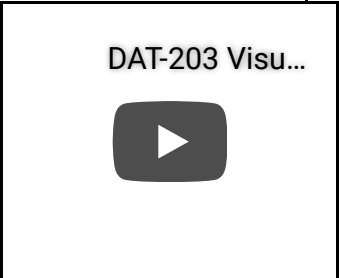













## DAT-203: Visualization and warehousing Course schedule | CCAC | FALL 2020 | North Campus




course	date	wk no.	session links	learning objectives	out-of-class work
DAT-203	Monday 31-AUG-2020	1	<p><i>Session Recording</i></p>  <p> <a href="#">Visualize yourself</a>  <a href="#">Navya sample visualization</a> </p> 	Design a personally relevant data gathering project	<ol style="list-style-type: none"> <li>1. Create a git repo for your visualize yourself project</li> <li>2. Make an entry in our visualize yourself tracker (linked at the top of the module page)</li> </ol>
DAT-203	Monday 7-SEP-2020	XX	LABOR DAY:NO CLASS		
DAT-203	Monday 14-SEP-2020	2	<p><b>Indicies</b></p> <p> Aggregating measures with indicies</p> <p><b>Categorical data I: Country-level</b></p>		<p><i>Visualize Yourself: Factor model</i></p> <p>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</p>

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			<p><b>development indices</b></p> <p> <a href="#">Aggregating measures with indices</a></p>		<p>image and embed it in your markdown script. Remember , make the file called <code>readme.md</code>.</p> <p> <a href="#">master markdown tutorial</a></p> <p><i>Internet Encyclopedic Source Quality</i></p> <p>Create a sharable directory</p> <p style="padding-left: 40px;">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.</p> <p> <a href="#">Shared onedrive for uploads</a></p>

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DAT-203	Monday 21-SEP-2020	3	<p><b>Categorical data II: Visualizing categorical data over time</b></p> <ul style="list-style-type: none"> <li> Aggregating measures with indicies</li> <li> Shared google doc of index explorations</li> </ul>		<p>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.</p>
DAT-203	Monday 28-SEP-2020	4			
DAT-203	Monday 5-OCT-2020	5	<p> Visualize yourself</p>	Create and Elaborate on a data project plan	<ol style="list-style-type: none"> <li>1. Dedicate time to fully planning your project using our phase guide for phase 1: planning</li> <li>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</li> </ol>
DAT-203	Monday 12-OCT-2020	6	<p><b>Mid-term grade proposals: Meet in person at North</b></p> <p>You'll be asked to propose a fair mid-term grade based on work completed up to that moment</p> <p><b>Review beta data</b></p>		<ol style="list-style-type: none"> <li>1. Read your assigned chapter in the Tofte book</li> <li>2. Distill down 3-6 key points from your chapter to share with the class</li> <li>3. Choose 3 visualziations by other folks related to the topic of your donation solicitation letter</li> </ol>

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			<p><b>tools</b></p> <p> <a href="#">Visualize yourself</a></p>		<p>4. Discuss your chapter's principles as applied to your chosen visualizations. Remember, you can find examples and "non-examples" of the book principles</p> <p>5. Create an audience profile for your data visualization</p>
DAT-203	Monday 19-OCT-2020	7	<p><b>Data for Good</b></p> <ol style="list-style-type: none"> <li>1. Read your assigned chapter in the Tufte book</li> <li>2. Distill down 3-6 key points from your chapter to share with the class</li> <li>3. Choose 3 visualizations by other folks related to the topic of your donation solicitation letter</li> <li>4. Discuss your chapter's principles as applied to your chosen visualizations. Remember, you can find examples and "non-examples" of the book principles</li> </ol>		<p>What is a rug plot useful for? Tufte p. 135</p>

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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	<p><b>Book notes</b></p> <p> <a href="#">Vis Display [Tofte] Shared Notes</a></p> <p><b>Databaseify your vis-of-self</b></p> <p> <a href="#">Databases</a></p>		<p>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</p> <p>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</p>
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	<p> <a href="#">Screen cast of database workshopping</a></p> <p><b>Tofte chapter notes</b></p>		

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			Database/project check-in		
DAT-203	Monday 7-DEC-2020	13	 Analytics: <a href="#">numpy</a> and <a href="#">pandas</a>  <b>Extracting and visualizing data</b>  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	<b>Share final projects</b>   <a href="#">Git repo creation and pushing to remote</a>		
DAT-203	Thursday 7-May-2020	14	 <a href="#">Meet via Zoom</a> MtngID: 614 961 8122 Ph:+1 646-558-8656		

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