

FIT5147 S1 2021 Data Visualisation Feedback

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	Outstanding (80-100%)	Adequate to Good (50-80%)	Not Adequate (Below 50%)	Comments
Design: Five Design Sheet + Justification of Final Design				
Sheet 1 (Brainstorming)		X		More ideas can be included in the brainstorming process. Many missing components (i.e., filter, categorise, combine and refine, and questions.)
Sheet 2,3,4 (Each one should be a complete design)			X	Not a complete design. Many missing components. The FDS layout can be used here.
Sheet 5 (should be selected from sheet 2/3/4 or combination of different elements from sheet 2/3/4)		X		Layout based on initial design sheets. However, many missing components. Refer to http://fds.design for the steps needed in FDS.
Justification of final design in terms of human perceptual system and human communication assumptions			X	There's limited justification or theories referenced for the final design. The design section here is meant for you to justify your design and support it with theories. What human perception theories and human communication assumptions (e.g. colour theory, graphic perception, narrative storytelling, etc.) are you leveraging here in order to effectively communicate your insights?
Quality of Final Design: Visualisation				
Quality of narrative		X		There is some narrative included in the project, but very limited. An introduction and conclusion is one way to start to add a narrative. The placement, font, and layout of the introduction can be re-designed for a better flow. A clear flow of a story can also be used for a better quality of narrative. The use of tabs to navigate through the visualisation is not exactly a problem if there's narrative guidance (reasonings) why the user should click the next one, how is it relevant to the topic and the previous tab (For example: in the next tab, we discover the factors of... to explain...) There are some insights shared (e.g., The higher the GDP per capita of a country, the more capable it is to deal with an epidemic like COVID-19). This can be used more throughout the visualisation and include more information. What needs to be included more was to communicate more of the insights that you discovered from the Data Exploration Project. Annotations can be added to highlight facts and give reasons (e.g., Why Qatar's HDI is not higher).
Quality of visualisation		X		Avoid using red and green as it is not color-blind friendly. A consistent color scheme can be used throughout the visualisation project too (the use of purple and yellow for the bubble plot doesn't match the color theme used in the project). The numbers can have an appropriate and readable format (169,643,590). An appropriate or informative label/legend/title can be used (e.g., Tab 1 and Tab 2, total_cases, stl, etc.) For the lollipop chart and the bubble plot, the y-axis should still be the same for a fair comparison even after filtering. A legend can be used for the bubble plot to indicate what the size and color represent. For the two maps, consider the use of the same range of color (minimum and maximum) and also the same color scheme (all red or a mix of red and yellow). Keep it consistent when changing the year too.
Appropriate interactions		X		Overall, good work. However, a tooltip can be added to the 2020 map. Some interactions and tooltips are automatically generated by the library (e.g., plotly).
References to data sources on the vis			X	No references to data sources on the vis.
Appropriateness for intended audience			X	The target audience is not reported.
Visualisation Implementation				
Correctness and robustness, speed, executable	X			Good work.
Comments and quality of code structure		X		Very limited comments used in the code.
Visualisation Difficulty				
Use different sources of non-tabular data very well		X		Marks awarded for using the shape file. Other than the use of shape file, other non-tabular data is not reported. Marks could be improved by using non-tabular data.
Dealing with large dataset			X	The complexity of the data is not clear as it is not reported and data sources are not referenced properly. Reporting the dataset and wrangling process will show the work you did.
Advanced D3 programming/ Advanced R (shiny)		X		Good attempt in customising the aesthetic. Marks could be improved by using more advanced functionalities.
Sophisticated user interaction (e.g. animation, linked interaction)		X		Additional marks were awarded for good use of animation. However, as mentioned before, the color scale can be consistent when playing different years. The play button is not clear to the user. Increase the size. Other interaction marks are awarded in the "Appropriate Interactions" section. More marks could be given by implementing sophisticated and useful user interactions.
Other	N/A	N/A	N/A	
Project Continuity				
Continuity of Project from Proposal to Exploration to Visualisation	X			Good work.
Report				
Quality of writing, referencing, images, logical structure	X			Overall, good work. References can be used and support your statements (e.g., "The enforced blockade, coupled with a conscious social distance between consumers and producers, has disrupted global economic activity and trade, along with volatility in financial markets and plummeting prices for crude oil and industrial metals.", etc.).
Completeness	X			The conclusion section could also include reflection on what you have learned in this project, including what in hindsight you might have done differently to improve the result. The final design implementation doesn't match Sheet 5 in terms of layout.
Submitted on time				