

Data Viz MidSemester Project Rubric

Topic:

Team Members:

PRESENTATION (Group):

	Excellent	Good	Satisfactory	Needs work	Not present
GROUP FEEDBACK					
Question/topic – was it clearly stated?	2	1.5	1	0.5	0
Background - did it help us understand the question/topic?	3				
Transitions between slides and speakers are cohesive; flow and organization of presentation makes sense	2	1.5	1	0.5	0
Conclusion to bring together what was learned from the data and your group's visualization experiences.	3	2	1.5	1	0
Presentation was cohesive as a group and the appropriate length	2	1.5	1	0.5	0
Organization - was the organization of the materials logical and easy for the audience to follow?	3	2	1.5	1	0
Technical language - were new terms clearly defined? Jargon avoided unless necessary?	3	2	1.5	1	0
Quality of graphics on slides – were your graphics relevant to your story and easy to read?	3	2	1.5	1	0
Credit images from the web on the slides in which they are used	2	1.5	1	0.5	0
Citations – cite source of all info at end or on slides	2	1.5	1	0.5	0
GROUP PRESENTATION SCORE (out of 25):					

Comments:

Data Viz MidSemester Project Rubric

Student:

Topic:

PRESENTATION (Individual):

STUDENT 1:	Excellent	Good	Satisfactory	Needs work	Not present
DELIVERABLES: Slides are in your midsemester project folder	3	2	1.5	1	0
Are the novel visualizations clear and well labeled?	3	2	1.5	1	0
Clear walk through each piece of data so that your audience can understand it?	3	2	1.5	1	0
Clear and accurate communication of the key trends in the data and conclusions from that data?	3	2	1.5	1	0
Clear discussion of how one figure is a replica of an OWID figure, with clear discussion of improvements/changes made?	3	2	1.5	1	0
What question is addressed by the novel figure and how does it differ from what OWID shows?	3	2	1.5	1	0
Brief comparison to how your data and OWID compare to published literature.	3	2	1.5	1	0
Helped the audience understand the biological information shared within your data sets.	3	2	1.5	1	0
Presentation posture, speech volume/speed, and clarity	3	2	1.5	1	0
INDIVIDUAL PRESENTATION SCORE (out of 25):					
GROUP PRESENTATION SCORE (out of 25):					
TOTAL PRESENTATION SCORE (out of 50):					

Comments:

Source: Grayson, K., Hilliker, A. (2021). [Teaching Data Viz and Communication as an Undergraduate Biology Course: Assignments and Projects. Calling Bull - a resource sharing and teaching community](#), QUBES Educational Resources. [doi:10.25334/5C87-YE71](#)

Teaching materials from a co-developed for an upper-level undergraduate biology course at University of Richmond to teach data exploration and communication.

WRITTEN PAPER AND FIGURES:

Concept/requirement	Excellent	Good	Satisfactory	Needs work	Not present
DELIVERABLES: Written analysis and PDFs of any science papers used should be uploaded in Data Viz Journal folder ; Tableau workbook and dataset(s) are uploaded to Tableau Online	5	4	3	2-1	0
LEGENDS (all): Every figure/image should have a figure number, title, and descriptive figure legend at the bottom.	5	4	3	2-1	0
FIGURE 1: Include the original OWID graph, for comparison	5	4	3	2-1	0
FIGURE 2: Accurately replicated a graph from OWID (clear, beautiful, truthful)	10-9	8	7-6	5-4-3-2-1	0
FIGURE 2: Meaningful improvement of the original visualization	10-9	8	7-6	5-4-3-2-1	0
FIGURE 3: Novel visualization that is clear, beautiful, and truthful	10-9	8	7-6	5-4-3-2-1	0
FIGURE 2 & 3: visualizations include clear and accurate labels on axes and for any legends or additional labeling used	10-9	8	7-6	5-4-3-2-1	0
FIGURE 4: Include the figure from a scientific paper for comparison	5	4	3	2-1	0
TEXT: Written description of the trends you observe in the data and the major conclusions you derive from the data (All Figs)	10-9	8	7-6	5-4-3-2-1	0
TEXT: Written analysis includes description of any data exploration, data changes, and visualization choices/improvements that went into the novel figure (Fig.3, Fig. 2 if applicable)	10-9	8	7-6	5-4-3-2-1	0
TEXT: Clear written comparison of the stylistic choices and inferences drawn between OWID, your visualizations, and the scientific literature (Fig. 1-4).	10-9	8	7-6	5-4-3-2-1	0
TEXT: Properly cite OWID, scientific papers, and any other sources used or serving as inspiration to your figures or analysis.	5	4	3	2-1	0
REFERENCES: Include a References Cited section where all sources are listed a consistent manner ¹	5	4	3	2-1	0
TOTAL PAPER SCORE (out of 100):					

¹Any citation style from a scientific journal is fine. Here is one example (look for section labeled "References":

<https://www.molbiolcell.org/info-for-authors>

Comments: