Principles of Graphics

The first chapter of Keen's **Graphics for Statistics and Data Analysis with R** is an excellent introduction to many of the concepts and principles this course will cover. You may not have thought anything about the graphics you create, but graphics are an excellent way to communicate ideas and concepts and, if not properly executed, can distort or mislead the observer into drawing inaccurate conclusions regarding your message. Even worse, a poorly executed graphic might convey to the reader that the rest of your work is sloppy.

PURPOSE	LEARNING OBJECTIVE
This discovery-based activity gives you the opportunity to learn concepts and principles that form the basis of future activities.	To prepare you for participating in discussions and activities focused on the principles of graphics.

REQUIRED RESOURCES	TIME ALLOCATED
○ Chapter 1, Keen pp 3-20	70 minutes out-of-class

Tasks

Write a short 1-page reflection on something presented in Keen's chapter that you hadn't previously thought much about in terms of preparing graphs or figures. Think about recent figures you have seen or created. Can you identify one or more aspects of what Keen writes about? Don't search for anything just yet; we will get a chance to critique figures made by others in future activities.

Deliverable

Submit your essay to the class dropbox.

Assessment

This is a short response activity. The rubric score is based on quality and thoughtful response.

Activity 1   Grading Rubric

	Excellent (10)	Good (8)	Poor (6)	NONE
Presentation	Good formatting and attention to detail	Decent formatting	Sloppy formatting	Did not submit reflection/discussion
Quality	Language was professional and not complicated	Informal use of language	Difficult to recognize the substance due to poor structure and phrasing	Did not submit reflection/discussion
Thought	Clearly stated reflection with personal formulated commentary or critique of Keen's discussion	Response was a reiteration of the reading assignment points	Discussion was vague and did not specifically address any component of Keen's Discussion	Did not submit 1-page reflection

Student Notes

Understanding and Communicating Multimodal Transportation Data