

Wk		Agenda	Reading & activities for steady progress	Complete before class
0	R F	[tut] Course goals & outcomes Graphical limitations, portfolio	Syllabus, calendar, and about the portfolio	[tut] Install R/Rstudio
1	M T R F	[tut] D1 Scatterplots [tut] Data basics Discuss today's reading: [tut] Markdown basics	Ch 2: Limitations of common graphs Tuft (1997) Challenger launch decision Browse the sample portfolio entries	[tut] Starting with R Written response form
2	M T R F	[tut] D2 Dot plots [tut] Subsetting data Present and discuss D1+critique [tut] Document design 1	Wk 1 tutorials done. D1+critique in-progress. Ch 4: Some more effective graphs Kostelnick (1998) Conflicting standards	D1 (bring to class)
3	M T R F	[tut] D3 Multiways [tut] Reshaping data Discuss today's reading: [tut] Basic file management	Wk 2 tutorials done. D2+critique in-progress. Kostelnick (2007) The conundrum of clarity Ch 5: More than two variables	Written response form D2 (turn in)
4	M T R F	[tut] Finding interesting data [tut] D4 Tables Present and discuss D3+critique Visual lies	Wk 3 tutorials done. D3+critique in-progress. Few (2102) Differing roles of tables & graphs Wainer (1997) How to display data badly	D3 (bring to class)
5	M T R F	[tut] D5 Box plots [tut] Match display to data type Discuss today's reading: [tut] Document design 2	Wk 4 tutorials done. D4+critique in-progress. Doumont (2009) Designing the graph Wainer (2014) 15 displays about one thing	Written response form D4 (turn in)
6	M T R F	[tut] D6 Small multiples Tuft on design (Fall break) (Fall break)	Wk 5 tutorials done. D5+critique in-progress. Ch 6: General design principles Catch up on tutorials or readings.	D5 (turn in)
7	M T R F	[tut] D7/D8 Beyond basic graphs [tut] Color Present and discuss D6+critique Work on portfolio	Wk 6 tutorials done. D6+critique in-progress. Constable (2017) Color (online) Begin revising displays and critiques Ch 7: Scales	D6 (bring to class)
8	M T R F	[tut] D7/D8 Original displays Revising displays and critiques Discuss today's reading: [tut] Front & back matter	Wk 7 tutorials done. D7+critique in-progress. Continue revising displays and critiques Dragga & Voss (2001) Cruel pies Ch 8: Before and after examples	Written response form D7 (turn in)
9	M T R F	Current topics in data science Discovering stories in data Present and discuss D8+critique Work on portfolio	Wk 8 tutorials done. D8+critique in-progress. Read: Storytelling with data (online) Continue revising displays and critiques	D8 (bring to class)
10	M T R F	Current topics in data science Evals & work on portfolio Discuss today's reading: Work on portfolio	Ch 10: Graphical choices Continue revising displays and critiques Spence (2006) William Playfair Continue revising displays and critiques	Written response form
11	W	Submit final portfolio		Portfolio

Notes:

A written critique accompanies every display.

[tut] denotes a tutorial.