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

Notes:
A written critique accompanies every display.
[tut] denotes a tutorial.