Code Evaluation questionnaire this document aims to provide a guideline how to evaluate (R) code in my course

Pleas	e note: not all item might be applicable - please cross-out any non-relevant part.					
1.	Informative naming of the script? □ absolutely □ not really because:					
Scri	pt Meta-Information					
2.	A header with information exists at the beginning of the script? \Box Yes \Box No					
3.	Authors name:					
4.	Contact details are provided (email, URL, git)? \Box Yes \Box No Date of development is listed? \Box Yes \Box No					
5.						
6. Main purpose of the script is explained?						
7. Needed input is defined (format incl. which information are required? (e.g. shp wir of type x and content of y) \Box yes \Box not really because:						
8.	Output is defined? (incl. explanations, format etc.)					
9.	9. R version and R packages needed are listed? \square yes \square not really because:					
10.	D. Operating system used is listed or on which one it has been tested? □ yes □ no					
11.	Required other software is explained?					
12.	Informative header is well formatted? — yes — not really because:					
13.	All necessary details are provided?					
	☐ Yes, I understand its aim and needed input					
	\square No, I need to check the script carefully					
	□ just some parts are provided.					
14.	What do you think until now what the output/results will be? Describe it briefly before checking the actual script:					
	ual Code for the Analysis Data import is generic? (no full paths, direct import possible) yes ————— no					
16.	Well commented? horrible —————— fantastic remarks:					
17.	Ratio of Comments vs. Code? horrible $\square - \square - \square - \square$ fantastic					
18.	Easy to read? (appropriate indentation and spacing) horrible $\Box -\Box -\Box -\Box -\Box$ fantastic					
19.	The script is written for generic data analysis? \Box absolutely \Box not really because:					
20.	Does the code require a rigid data structure? (e.g. specific column names in data.frame) \Box absolutely \Box no, quite flexible					
21.	Is the code flexible? (i.e allows inputs of different data types) □ absolutely □ not really because:					
22.	Data can be retrieved without contacting the author?					

23.	Code follows a logical structure? absolutely not really because:					
24.	Code only includes useful information? absolutely not really because:					
25.	Are the variables derived within the code self-explanatory? (e.g. through clear variable names and/or comments) absolutely not really because:					
26. Does the script uses a standard documentation structure/naming convention? □ absolutely □ not really because:						
27. Script can be run easily on other data sets (generic code)? □ absolutely □ not really because:						
28. Appropriate use of commands - no unnecessary complex code snippets?						
29.	(If a function) is provided: are example code/data provided/explained? □ absolutely □ not really because:					
30. Does the code minimize the storage of data? (e.g. removal of unused variables) □ yes □ ne						
31.	31. Does the code minimize the use of RAM?(e.g. appropriate subsetting, no re-reading data \Box yes \Box no					
32.	Data handling and transformation is coherent and well commented? yes $\square - \square - \square - \square - \square$ no					
33.	Novel code not covered in the course is used? a lot $\square \square \square$ just known commands					
34.	4. Script is actually a package? yes no					
35.	Proper documentation (man pages) is provided for this package? $\ \square$ yes $\ \square$ no					
Code	Impression					
36.	The script triggered interest and you learned new things? yes, a lot ————— no, not a b					
	Please describe what was special/interesting:					
39.	Script is fast (based on performance measures) yes —————— no The code can be executed without any fixes? — absolutely — not really because:					
40.	Which parts should be improved?					
41.	What is missing?					
Gra _l	phs and Maps					
42 .	Graphs or Maps are providing key messages? □ absolutely □ not really because:					
	Plots/Maps are self-explanatory? absolutely not really because:					
	Plots/maps are informative? yes ——————— no					
	Graphs include all necessary items? (legend, axis title etc.) absolutely absolutely to not really because:					
46.	Plots/maps are not overloaded? yes, clean □—□—□—□ no, totally cluttered					

47.	Plots/maps l □ absolutely	layout is consistent through-out the scrip	pt?			
48.	· ·	have appropriate colour scheme? 🗆 abso	lutelv	□ not really because:		
	49. Maps have scale bars, legend, coordinates? absolutely not really because:					
	_	e landmarks, cities, roads for orientation □ not really because:	·	-		
Ove	erall Impres	ssion				
Pleas	e evaluate the	following parts				
51.	Readability	horrible $\Box - \Box - \Box - \Box - \Box$ fantastic				
52.	${\bf Information}$	horrible $\Box -\!\!\!\Box -\!\!\!\!\Box -\!\!\!\!\Box -\!\!\!\!\Box -\!\!\!\!\Box$ fantastic				
53.	Structure	horrible $\square - \square - \square - \square - \square$ fantastic				
55.	□ yes □ no □ needs some □ details:	k it qualifies for being scientifically repro-	□ Proba	bly not. Don't know. yes, would love to no, not really anything I couldn't do myself yes, definitely parts of it. No clue what is does. I just		
57.	Please descri	ibe your impression.		can't figure it out.		
	tations met?	heck your anticipated results/output (Q and if no, why not:	14) at th	e beginning - are your expec-		

60.	What do you especially <u>dislike</u> about this script:

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 $code\ quality\ check$ - question naire