Intermediate R - Survey and Assessment Consent

You are being asked to participate in a research study to understand what methods are the most effective in teaching computational skills in R. Results from this study may provide a better understanding of the computational thinking and abilities of undergraduate and graduate students.

If you agree to participate in this study you will be asked to complete a pre-workshop survey, detailing your demographic information and computational background and a post-workshop assessment of your understanding of the computational techniques covered. Your survey and assessment will be paired and any information that might identify you personally (including your name) will be removed. Only the workshop administrator will have access to your identity.

Your participation in this research is voluntary. You are free to stop participating in the research at any time, or to decline to answer any specific questions. Your participation in this research study is confidential. There are no foreseen risks to participation in this research study.

If you have any questions regarding this research project you can contact me at allisontheobold@montana.edu.

* Required

1. I agree to part	icipate in the study. *
If you agree to Mark only one	participate, you will be asked to complete all of the questions below. oval.
Yes	Skip to question 2.
O No	Stop filling out this form.
Skip to question 2.	
Survey	
2. Your name *	

3.	Please enter a unique identifier as follows: Number of pets (as numeric) + First two letters of your last name (lowercase) + First three letters of your current street (lowercase). (e.g. I have no pets, my last name is Theobold, and I live on Beall Street, my unique identifier would be 0thbea)	
4.	Your program of study *	
5.	The degree you are seeking * Mark only one oval.	
	Bachelors	
	Master's	
	Doctorate	
	Post-Doctorate	
	I am a faculty member of MSU.	
	I am a staff member of MSU.	
	Other:	
6.	When did you last take a quantitatively intensive Mark only one oval.	course? (e.g. Stat 216, Calculus, WILD 401) *
	Spring 2018	
	Fall 2017	
	Spring 2017	
	Fall 2016	
	Spring 2016	
	Fall 2015	
	Spring 2015 or earlier	

	-
hat programming languages do you have expo	erience with? *
Check all that apply.	
Python	
Java or Javascript	
C or C++	
Fortran	
SQL	
Other	
None	
What is a programming language?	
Previous statistical experience (course names)	

11.	What other courses have you taken that require a computer programming language? (R/ArcGIS/SPSS/STATA/SAS/MatLab/Mathemati ca/MARK, etc.) *
12.	What operating system is on the computer you are bringing to the workshop? Mark only one oval.
	Apple/Mac OS/Unix
	Windows
	Linux or Ubuntu
	What is an operating system?
13.	Have you participated in independent or collaborative research outside the classroom? * Mark only one oval.
	Yes
	No
14.	If so, how much? *
	Mark only one oval.
	Little to No
	A few projects
	I'm almost done with my thesis
15.	Do you have experience collecting your own data? * Mark only one oval.
	Yes, I've collected my own data
	Yes, I've helped others collect data
	No

16. If you have collected your own data, how did you choose to store it? Mark only one oval.
Microsoft Excel
Microsoft Access
Microsoft Word
On paper
Text file
Other
17. How satisfied are you with your current data management and analysis workflow (i.e. how you collect, organize, store and analyze your data)? Mark only one oval.
Very unsatisfied
Unsatisfied
Neutral
Satisfied
Very satisfied
Not sure
Not applicable
18. Why did you choose to come to this workshop? * Check all that apply.
Research assistance
Coursework assistance
Preparation for graduate school
Adviser recommended
Department/Professor recommended
Received an email or saw a flyer about the workshop.
Other:

19. Wh	hat do you hope to learn from this workshop? *	
00 14/1-		many in BO
	hat resources have you used while learning to prog heck all that apply.	ram in K?
	Peers	
	Lab Mates	
	Adviser	
	Course Materials	
	Internet Resources	
	Other:	
	elect the output produced by the script: x <- c(TRUE ark only one oval. "numeric" "logical" "character"	, FALSE) class(x)
	I don't know.	
22. Wh	hich for-loop(s) will print the index value, starting a	t 1 and ending at 20?
Che	heck all that apply.	
	for(i = 1 to 20){ index[i] <- i }	
	for(i in 1:20){ print(i) }	
	for(i in seq(1, 20)) { print(i) }	
	for(1 to 20) { index[i] <- i }	
	I don't know.	

n function takes arguments x and y and returns their ratio, x / y? South one oval.
ratio <- function(x, y) { x/y }
ratio <- x/y
ratio <- function(x, y){ x/y }
function(x, y){ x/y }
I don't know.

