

## MED264 - Intro to R

**Total Questions: 14** 

Least Correct Answers: #14

Most Correct Answers: #13

1. Consider the following R code (the numbers are the line numbers and not part of the code):

1 mass <- 47.5 2 age <- 122 3 mass <- mass \* 2.3 4 age <- age - 20

What is mass at line 1?

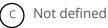
0/14



0/14



0/14



13/14



47.5

2. Consider the following R code has been run (the numbers are the line numbers and not part of the code):

1 mass <- 47.5 2 age <- 122 3 mass <- mass \* 2.3 4 age <- age - 20

What is the mass at line 3?

1/14



0/14



12/14



109.25

0/14



3. Consider the following R code has been run (the numbers are the line numbers and not part of the code):

1 mass <- 47.5 2 age <- 122 3 mass <- mass \* 2.3 4 age <- age - 20

What is the value of age on line 4?

0/14



0/14



13/14



102

0/14



27.5

4. Consider the following R code has been run (the numbers are the line numbers and not part of the code):			
1 mass <- 47.5 2 age <- 122 3 mass <- mass * 2.3 4 age <- age - 20 5 mass == age			
What is the output of line #5 in R?			
<b>1/14</b> A True			
12/14 B False			
5. You have a cluttered R environment, what is the command for removing all objects in your current R session:			
2/14 A rm(ls())			
0/14 B rm(mass)			
11/14			
0/14 D %reset			
6. What following command installs the following packages: ggplot2, plyr, gapminder			
0/14 (A) library('ggplot2', 'dplyr', 'gapminder')			
0/14 B installed.packages()			
13/14 c install.packages('ggplot2', 'dplyr', 'gapminder')			
0/14 D update.packages()			
7. You've just received a data file in a CSV format from your data warehouse group. You need to read this file into R as a data frame named 'data'. It has all but one numeric columns and that column is named 'charvector'. You want to represent the character values in charvector as a character vector and not a factor. Which of the following will NOT accomplish this in R.			
1/14 (A) data <- read.csv('/user/me/datawearhouse-25.csv', StringsAsFactors = FALSE)			
3/14 B data <- read.table('/usr/me/datawearhouse-25.csv', StringsAsFactors = FALSE)			
9/14 data <-read.csv('/usr/me/datawearhouse-25.csv', header=TRUE)			

8. Consider the following data frame df created by running: > df <- data.frame(n=seg(3,11,2), s=5:1, b=LETTERS[1:5]) n s b 135A 254B 373C 492D 5 11 1 E If I execute the following command in R, what will result? > mynewdf <- df[df\$n <= 7, ] mynewdf will contain a copy of df 0/14 mynewdf will contain a copy of the df data frame including only rows where n is less than 11/14 or equal to 7 mynewdf will contain a copy of the df data frame including only rows where n is less than 0/14 mynewdf will be a vector of numbers less then 7 2/14 In R, the following are all atomic data types EXCEPT: complex 1/14 numeric 0/14 character 0/14 table 12/14 Supposed I have a vector x <- c(1, 3, 7, 6, 1, 10, 15) and I want to set all elements less than 6 to 0. What R code below achieves this? x[x==0] <- 00/14 x[x <= 6] <- 01/14 x[x<6] <- 011/14 x[x>0] <- 61/14 11. I've read in the gapminder data as a data frame and used the str() function to inspect it. > data <- read.csv('https://raw.githubusercontent.com/resbaz/r-novice-gapminder-fil es/master/data/gapminder-FiveYearData.csv') str(data) 'data.frame': 1704 obs. of 6 variables: \$ country: Factor w/ 142 levels "Afghanistan",..: 1 1 1 1 1 1 1 1 1 1 ... \$ year : int 1952 1957 1962 1967 1972 1977 1982 1987 1992 1997 ... \$ pop: num 8425333 9240934 10267083 11537966 13079460 ... \$ continent: Factor w/ 5 levels "Africa", "Americas", ...: 3 3 3 3 3 3 3 3 3 3 ... \$ lifeExp: num 28.8 30.3 32 34 36.1 ... \$ gdpPercap: num 779 821 853 836 740 ...

What is the class of this object?

0/14	A	vector	
0/14	B	factor	
13/14	C	data.frame	
12. inspe		ead in the gapminder data as a data frame and used the str() function to	
> data es/ma	a <- re aster	ead.csv('https://raw.githubusercontent.com/resbaz/r-novice-gapminder-fil/data/gapminder-FiveYearData.csv')	
str(data) 'data.frame': 1704 obs. of 6 variables: \$ country : Factor w/ 142 levels "Afghanistan",: 1 1 1 1 1 1 1 1 1 1 1 1 \$ year : int 1952 1957 1962 1967 1972 1977 1982 1987 1992 1997 \$ pop : num 8425333 9240934 10267083 11537966 13079460 \$ continent: Factor w/ 5 levels "Africa","Americas",: 3 3 3 3 3 3 3 3 3 3 3 \$ lifeExp : num 28.8 30.3 32 34 36.1 \$ gdpPercap: num 779 821 853 836 740			
How	many	distinct countries are recorded in this data frame?	
0/14	A	1704	
0/14	В	6	
13/14	C	142	
0/14	D	1703	
13.	lf I ru	n the expression $x < -4.5$ in R, what is the class of x (hint: run class(x) in R)?	
0/14	A	character	
0/14	B	integer	
13/14	C	numeric	
0/14	D	complex	
14.	ln R, ۱	what commands below would return help on the paste() function?	
0/14	A	ask(paste)	
0/14	В	!paste	
12/1/		?paste	

D find(paste

help(paste)

0/14

5/14