

Quiz

EA31

January 25, 2018

1. The default prompt symbol is
 - A. >
 - B. — >
 - C. &
 - D. >>
2. R relies on functions with specific syntax. What symbols are required for a function to work?
 - A. Semicolon
 - B. Periods
 - C. Opening and closing parentheses
 - D. Specific numeric combinations
3. R is case-insensitive
 - True
 - False
4. The expression 2^4 returns:
 - A. 2
 - B. 8
 - C. 16
 - D. 24

5. To create a vector one would use the following function:
- A. `vector.new()`
 - B. `c()`
 - C. `new.vector()`
 - D. `C()`
 - E. None of the above
6. To assign the results of a function to an object, you can use which two methods:
- A. `- >`
 - B. `=`
 - C. `==`
 - D. `<<>>`
7. To determine how many values are in a numeric vector, one would use the following function:
- A. `count()`
 - B. `values()`
 - C. `length()`
 - D. `sum()`
8. To create a data frame we use the following function:
- A. `data.frame()`
 - B. `dataframe()`
 - C. `data.framenew()`
 - D. `newdataframe()`
9. To extract the variable “Temp” from “Claremont” dataframe, you would type
- A. `Temp$Claremont`
 - B. `Temp$Claremont()`
 - C. `var(Temp$Claremont)`
 - D. `Claremont$Temp`

10. We want to select the second column from a data frame called Mangroves, which expression is correct:

Mangroves[1,2]
Mangroves[2]
Mangroves[,2]
Mangroves[2,1]

11. What is the symbol for missing values in R?

A. na
B. Na
C. NaN
D. NA

12. What will these lines produce?

```
mm <- function(Vmax, Ks, S) {  
  V <- Vmax* (S/(Ks + S))  
  return(V)  
}
```

A. I have no idea.
B. A function named “mm”.
C. An error message that is nearly impossible to interpret.
D. The value of V

13. To get the path and file name using a popup window, you can use the following function:

A. get.file()
B. file.choose()
C. find.file()
D. file()

14. To view the first six observations of a dataframe you can use the following function:

A. topsix()
B. head()
C. show()
D. run6()

15. What functions would you use to get the mean and standard deviation of a vector?
- A. `average()`; `stdev()`
 - B. `average()`; `sd()`
 - C. `mean()`; `stdev()`
 - D. `mean()`; `sd()`
16. If you want make a scatter plot you would use the following function:
- `plot.scatter()`
 - `chart()`
 - `barplot()`
 - `plot()`
17. If you wanted to determine if two variables have a linear relationship, you can create a model in R using the following function:
- A. `model()`
 - B. `lm()`
 - C. `correlation()`
 - D. `linear()`
18. What are some characteristics of good graphics?
- A. Lack unnecessary ink
 - B. Effective labeling
 - C. Can be easily read at a distance
 - D. Axes are clearly labeled that include units
 - E. The legend is large enough to see and read
 - F. The lines can be interpreted in a color and black and white scheme.
 - G. All of the above.