1. **Which of the following is a base package for R language?**

Tool

1. **R comes with a \_\_\_\_\_\_\_\_ to help you optimize your code and improve its performance.**

Debugger

1. **debug() flags a function for \_\_\_\_\_\_ mode in R mode.**

Run

1. **\_\_\_\_\_\_ suspends the execution of a function wherever it is called and puts the function in debug mode**

recover() and browser()

1. **A matrix is \_\_\_dimensionsinal rectangular data set?**

2

1. **The \_\_\_\_\_ function takes a vector or other objects and splits it into groups determined by a factor or list of factors.**

split()

1. **lapply function takes\_\_\_ arguments in R language**

4

1. **\_\_\_\_is used to apply a function over subsets of a vector**

tapply()

1. **\_\_\_\_\_\_\_applies a function over the margins of an array**

apply()

1. **\_\_\_\_function is same as lapply() in R**

sapply()

1. **\_\_\_\_\_\_\_ loop over a list and evaluate a function on each element**

apply()

1. **\_\_\_\_\_\_\_\_\_\_ is proprietary tool for predictive analytics.**

SAS

1. **Data frames can be converted to a matrix by calling data.\_\_\_\_\_\_\_**

matrix()

1. **Which of the following method make a vector of repeated values?**

data()

1. **R objects can have attributes, which are like \_\_\_\_\_\_\_\_ for the object**

Metadata

1. **Attributes of an object (if any) can be accessed using the \_\_\_\_\_\_ function.**

Attributes()

1. **\_\_\_\_\_\_\_\_\_ involves predicting a response with meaningful magnitude, such as quantity sold, stock price, or return on investment.**

Regression

1. **\_\_\_\_\_\_\_\_ provides needed string operators in R**

stringr

1. **Stringr\_\_\_\_\_\_ splits a data frame and results in an array (hence the da). Hopefully, you’re getting the idea here.**

Daply

1. **System.time function returns an object of class \_\_\_\_\_\_\_ which contains two useful bits of information.**

proc\_time

1. **Which of the following will start the R program?**

 $ R

1. **Which of the following is used for Statistical analysis in R language?**

RStudio

1. **R functionality is divided into a number of \_\_\_\_\_\_\_\_**

Packages

**24. Which of the following is an example of vectorized operation as far as subtraction is concerned?  
> x <- 1:4**

**> y <- 6:9**

 x-y

**25. What would be the output of the following code?**

**> x <- 1:4**

**> y <- 6:9**

**> z <- x + y**

**> z**

7 9 11 13

**26. What would be the output of the following code?**

**> x <- 1:4**

**> x > 2**

FALSE FALSE TRUE TRUE

**27. What would be the value of the following expression?  
log(-1)**

 Warning in log(-1): NaNs produced

**28. What will be the output of the following code?**

**> g <- function(x) {**

**+ a <- 3**

**+ x+a+y**

**+ ## ‘y’ is a free variable**

**+ }**

**> g(2)**

Error

**29. What will be the output of the following code?**

**function(p) {**

**params[!fixed] <- p**

**mu <- params[1]**

**sigma <- params[2]**

**## Calculate the Normal density**

**a <- -0.5\*length(data)\*log(2\*pi\*sigma^2)**

**b <- -0.5\*sum((data-mu)^2) / (sigma^2)**

**-(a + b)**

**}**

**> ls(environment(nLL))**

“data” “fixed” “params”

**30. Which of the following is a principle of analytic graphics?**

Show causality, mechanism, explanation

**31. R is an\_\_\_\_\_\_\_\_\_\_programming language?**

Open Source

**32. Who developed R?**

John Chambers

**33. R was named partly after the first names of\_\_\_\_R authors?**

Two

**34. Packages are useful in collecting sets into a\_\_\_\_\_unit ?**

Single

**35. R is an interpreted language so it can access through\_\_\_\_\_\_\_\_\_\_\_\_\_?**

Command line interpreter

**36. Many quantitative analysts use R as their\_\_\_\_tool?**

Leading tool and Programming tool

**37. Predictive analysis is the branch of \_\_\_\_\_\_\_\_\_\_analysis?**

Advanced

**38. \_\_\_\_\_\_\_\_\_\_\_ is used to make predictions about unknown future events?**

Predicitive analysis

**39. How many steps does the predictive analysis process contained?**

7

**40. Descriptive analysis tell about\_\_\_\_\_\_\_\_?**

Past

**41. How many types of R objects are present in R data type?**

6

**42. How many types of data types are present in R?**

6

**43. Which of the following is a primary tool for debugging?**

debug()

**44. Which function is used to create the vector with more than one element?**

c()

**45. In R every operation has a \_\_\_\_\_\_call?**

Function

**46. The \_\_\_\_\_\_\_\_\_\_\_\_ in R is a vector.**

Basic data structure

**47. Vectors come in two parts\_\_\_\_\_ and \_\_\_\_\_.**

Atomic vectors and list

**48. How many types of atomic vectors are present?**

4

**49. How many types of vertices functions are peresent?**

2

**50. \_\_\_\_\_\_\_\_\_and\_\_\_\_\_\_\_\_\_ are types of matrices functions?**  
Apply and sapply

**51. How many control statements are present in R?**

8

**52. Which of the following finds the maximum value in the vector x, exclude missing values**

max(x, na.rm=TRUE)

**53. Which of the following sort dataframe by the order of the elements in B**

a.x[rev(order(x$B)),]

**54. \_\_\_\_\_\_\_\_ initiates an infinite loop right from the start.**

Repeat

**55. \_\_\_\_\_\_\_ is used to skip an iteration of a loop.**

Next

**56. \_\_\_\_\_ programming language is a dialect of S.**

S

**57. In 1991, R was created by Ross Ihaka and Robert Gentleman in the Department of Statistics at the University of \_\_\_\_\_\_\_\_\_.**

Auckland

**58. Finally, in \_\_\_\_\_\_\_\_\_ R version 1.0.0 was released to the public.**

2000

**59. R is technically much closer to the Scheme language than it is to the original \_\_\_\_\_ language.**

S

**60. R functionality is divided into a number of \_\_\_\_\_\_\_\_**

Packages

**61. Data science is the process of diverse set of data through?**

Organizing data, processing data, Analysing data

**62. The modern conception of data science as an independent discipline is sometimes attributed to?**

William S.

**63. Which of the following language is used in Data science?**

R

**64. Which of the following is false?**

Raw data should be processed only one time.

**65. What is the work of Data Architect?**

build data solutions that are optimized for performance and design applications

**66. Which of the following is correct skills for a Data Scientist?**

Probability & Statistics, Machine Learning / Deep Learning, Data Wrangling

**67. Which of the following are correct component for data science?**

Data Engineering, Advanced Computing, Domain expertise

**68. Which of the following is not a part of data science process?**

Communication Building

**69. Which of the following are the Data Sources in data science?**

Structured and Unstructured

**70. Which of the following is not a application for data science?**

Image & Speech Recognition

**71. Data can be categorized into \_\_\_\_\_\_ groups.**

2

7**2. Unstructured data is not organized.**

TRUE

**73. A column is a \_\_\_\_\_\_\_\_ representation of data.**

Vertical

**74. A \_\_\_\_\_\_\_\_ is a structured representation of data.**

data frame

**75. We write \_\_\_\_\_\_ in front of mean to let Python know that we want to activate the mean function from the Numpy library.**

np.