

CAP742: Data Analytics Using R

CA#1

Date: 28-Jan-20

Max. Marks: 25

Time: 45 Mins

Q. 1 (a) Create a vector $X = \{1, 2, 3, 4, 5, NA, NA, 6, 7, NA\}$

Create a vector Y that contains elements of X except missing values.

(b) Create a 5 x 5 matrix using `rbind()` or `cbind()` with all elements as 1

(c) Create a data frame 'Employee' with the following data

EmpId	Name	Gender	Department
101	John	M	Sales
102	Carl	M	Sales
103	Tony	M	Sales
104	Cherry	F	Front Desk

Note: 'Gender' should be created as a factor variable.

(d) For the 'airquality' data set, find the maximum Ozone level.

(e) Add a new column 'Salary' to the 'Employee' data frame with values as (100,120,140,80)