

Final Exam

Please answer the following questions.

* Required

1. Select all the valid ways of assigning a 1 to a variable 'x' in R. *

Check all that apply.

- ☐ x = 1
- ☐ x <- 1
- ☐ assign('x', 1)
- ☐ x <- 1
- ☐ all of the above

2. All of these statements correctly select the column 'c' from a data frame df EXCEPT: *

Check all that apply.

- ☐ df[df.c]
- ☐ df[[c]]
- ☐ df[[df\$c]]
- ☐ df['c']

3. Given a data frame 'df' with column indices 1, 2, and 3, which one of these will cause an error? *

Mark only one oval.

- ☐ df[[c(1, 2, 3)]]
- ☐ df[, c(1, 2, 3)]
- ☐ df[, 1:3]
- ☐ df[c(1, 2, 3)]

4. When should you use drop=FALSE? *

5. Which one of these correctly subsets the first five rows and the first column of a data frame df and returns the result as a data frame. *

Mark only one oval.

- ☐ df[1, 1:5]
- ☐ df[1:5, 1]
- ☐ df[:5, 1, drop=FALSE]
- ☐ df[1:5, 1, drop=FALSE]

6. Select all the valid vector types that can be used to subset a data frame. *

Check all that apply.

- ☐ logical
- ☐ integer
- ☐ complex
- ☐ character

7. How would one check if 'x' is the value NA? *

Mark only one oval.

- ☐ [is.na](#)(x)
- ☐ isnull(x)
- ☐ x.nan
- ☐ is.null(x)

8. Which one of these correctly selects the first row of a data frame df? *

Mark only one oval.

- ☐ df[1:1,][0]
- ☐ df[, 1]
- ☐ df[,][, 1]
- ☐ df[1,]

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