

**Microsoft: DAT209x Programming in R for Data Science**

Bookmarks

- ▶ 0. Start Here
- ▶ 1. Introduction
- ▶ 2. Functions and Data Structures
- ▶ 3. Loops and Flow Control
- ▶ 4. Working with Vectors and Matrices
- ▶ 5. Reading in Data
- ▶ 6. Writing Data to Text Files
- ▶ 7. Reading Data from

9. Manipulating Data > Knowledge Checks > Quiz

Bookmark

Question 1

(1/1 point)

Consider the built-in dataset `airquality`. Which command will achieve the same result as `colMeans(airquality)`?

☐ `tapply(airquality, mean)`☐ `lapply(airquality, mean)`☒ `sapply(airquality, mean)` ✓☐ `vapply(airquality, mean)`**EXPLANATION**

SQL Databases

▶ 8. Working with Data

▼ 9. Manipulating Data

Lecture

Knowledge Checks

Quiz



Lab

Lab

*You have used 1 of 2 submissions*

Question 2

(1/1 point)

Consider the built-in dataset `chickwts`. Which three commands will calculate the mean of chick weights by their food?

☒ `tapply(chickwts$weight, chickwts$feed, mean)` ✓☒ `aggregate(weight~feed, data=chickwts, mean)` ✓☒ `by(chickwts$weight, chickwts$feed, mean)` ✓☐ `sapply(chickwts, mean)`

Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You have used 1 of 2 submissions

Question 3

(1/1 point)

Consider the built-in dataset `airquality`. You would like to show how many times in a month the temperature goes below 65 degree.

Which two commands can you use?

☒ `with(airquality, table(Month, Temp < 65))` ✓

☐ `tapply(airquality$Month, airquality$Temp < 65)`

☒ `table(LowTemp = airquality$Temp < 65, airquality$Month)` ✓

☐ `sapply(airquality, airquality$Temp < 65)`



Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You have used 1 of 2 submissions

Question 4

(1/1 point)

Consider the built-in dataset `airquality`. You would like to show the percentage in each month the temperature goes above 80 degree.

Which two commands can you use?

☒ `prop.table(with(airquality, table(Month, Temp > 80)),1)` ✓

☐ `prop.table(with(airquality, table(Month, Temp > 80)),2)`

☐ `prop.table(with(airquality, table(Temp > 80, Month)),1)`

☒ `prop.table(with(airquality, table(Temp > 80, Month)),2)` ✓



Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You have used 1 of 2 submissions

Question 5

(1/1 point)

Which command will return the same result as `lapply(airquality, mean)`?

- ☐ `sapply(airquality, mean)`
- ☒ `as.list(sapply(airquality, mean))` ✓
- ☐ `unlist(sapply(airquality, mean))`
- ☐ `is.list(sapply(airquality, mean))`

EXPLANATION

You have used 1 of 2 submissions

© All Rights Reserved



© edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.

