Microsoft: DAT209x Programming in R for Data Science

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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

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?

- [x] tapply(chickwts$weight, chickwts$feed, mean) ✔
- [x] aggregate(weight~feed, data=chickwts, mean) ✔
- [x] 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?

- [x] with(airquality, table(Month, Temp < 65)) ✔
- [ ] tapply(airquality$Month, airquality$Temp < 65)
- [x] 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?

- [x] 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)
- [x] 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