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Programming Assignment 1: Quiz

Passed

10/10 questions correct

Quiz passed!

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| --- |
| > pollutantmean("specdata", "sulfate", 34)  [1] 1.477  > pollutantmean("specdata", "nitrate")  [1] 1.703  > cc <- complete("specdata", c(6, 10, 20, 34, 100, 200, 310))  > print(cc$nobs)  [1] 228 148 124 165 104 460 232  > cc <- complete("specdata", 54)  > print(cc$nobs)  [1] 219  > set.seed(42)  > cc <- complete("specdata", 332:1)  > use <- sample(332, 10)  > print(cc[use, "nobs"])  [1] 711 135 74 445 178 73 49 0 687 237  > cr <- corr("specdata")  > cr <- sort(cr)  > set.seed(868)  > out <- round(cr[sample(length(cr), 5)], 4)  > print(out)  [1] 0.2688 0.1127 -0.0085 0.4586 0.0447  >  > cr <- corr("specdata", 129)  > cr <- sort(cr)  > n <- length(cr)  > set.seed(197)  > out <- c(n, round(cr[sample(n, 5)], 4))  > print(out)  [1] 243.0000 0.2540 0.0504 -0.1462 -0.1680 0.5969  > cr <- corr("specdata", 2000)  > n <- length(cr)  > cr <- corr("specdata", 1000)  > cr <- sort(cr)  > print(c(n, round(cr, 4)))  [1] 0.0000 -0.0190 0.0419 0.1901 |
|  |
| |  | | --- | | > | |

Correct

1.

What value is returned by the following call to pollutantmean()? You should round your output to 3 digits.

pollutantmean("specdata", "sulfate", 1:10)

Correct

2.

What value is returned by the following call to pollutantmean()? You should round your output to 3 digits.

pollutantmean("specdata", "nitrate", 70:72)

Correct

3.

What value is returned by the following call to pollutantmean()? You should round your output to 3 digits.

pollutantmean("specdata", "sulfate", 34)

Correct

4.

What value is returned by the following call to pollutantmean()? You should round your output to 3 digits.

pollutantmean("specdata", "nitrate")

Correct

5.

What value is printed at end of the following code?

cc <- complete("specdata", c(6, 10, 20, 34, 100, 200, 310))

print(cc$nobs)

Correct

6.

What value is printed at end of the following code?

cc <- complete("specdata", 54)

print(cc$nobs)

Correct

7.

What value is printed at end of the following code?

set.seed(42)

cc <- complete("specdata", 332:1)

use <- sample(332, 10)

print(cc[use, "nobs"])

Correct

8.

What value is printed at end of the following code?

cr <- corr("specdata")

cr <- sort(cr)

set.seed(868)

out <- round(cr[sample(length(cr), 5)], 4)

print(out)

Correct

9.

What value is printed at end of the following code?

cr <- corr("specdata", 129)

cr <- sort(cr)

n <- length(cr)

set.seed(197)

out <- c(n, round(cr[sample(n, 5)], 4))

print(out)

Correct

10.

What value is printed at end of the following code?

cr <- corr("specdata", 2000)

n <- length(cr)

cr <- corr("specdata", 1000)

cr <- sort(cr)

print(c(n, round(cr, 4)))