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Programming Assignment 1: Quiz

Quiz, 10 questions

Question 1

1  
point

**1. Question 1**

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



1

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



6.026



6.545



3.666



4.064



4.868



3.782

Question 2

1  
point

**2. Question 2**

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



1

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



2.604



2.394



0.914



1.182



1.706



2.752

Question 3

1  
point

**3. Question 3**

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



1

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



0.680



1.300



1.477



0.591



0.450



1.573

Question 4

1  
point

**4. Question 4**

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



1

pollutantmean("specdata", "nitrate")



1.842



2.233



2.493



1.774



2.363



1.703

Question 5

1  
point

**5. Question 5**

What value is printed at end of the following code?



1

2

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

print(cc$nobs)



228 148 124 165 104 460 232



204 222 200 212 213 198 196



201 214 235 183 198 210 210



215 201 188 204 193 213 206



227 184 189 196 232 224 189



217 210 206 214 211 203 211

Question 6

1  
point

**6. Question 6**

What value is printed at end of the following code?



1

2

cc <- complete("specdata", 54)

print(cc$nobs)



219



213



248



228



205



220

Question 7

1  
point

**7. Question 7**

What value is printed at end of the following code?



1

2

3

4

5

set.seed(42)

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

use <- sample(332, 10)

print(cc[use, "nobs"])



270 310 27 692 307 681 631 455 690 440



643 99 703 673 59 366 277 644 318 594



711 135 74 445 178 73 49 0 687 237



608 885 684 510 765 171 244 745 624 216



524 577 276 487 3 592 5 148 645 435

Question 8

1  
point

**8. Question 8**

What value is printed at end of the following code?



1

2

3

4

5

cr <- corr("specdata")

cr <- sort(cr)

set.seed(868)

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

print(out)



-0.0203 0.5856 0.0983 0.3840 0.1137



0.1539 -0.0056 0.3023 0.4158 0.2558



0.3792 0.5118 0.3620 0.4726 0.5782



0.2688 0.1127 -0.0085 0.4586 0.0447



-0.0351 0.2736 -0.0176 0.5520 0.1828



0.4474 0.4720 0.1239 0.5220 0.2538

Question 9

1  
point

**9. Question 9**

What value is printed at end of the following code?



1

2

3

4

5

6

cr <- corr("specdata", 129)

cr <- sort(cr)

n <- length(cr)

set.seed(197)

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

print(out)



233.0000 -0.6377 0.3773 -0.0759 0.7335 0.2879



229.0000 -0.2418 0.4496 0.8748 -0.3924 -0.5713



242.0000 0.8233 0.3443 -0.2242 -0.7703 0.8735



247.0000 0.1958 0.9304 -0.4851 -0.8229 -0.0679



225.0000 0.4216 0.4207 -0.0507 0.9377 0.0277



243.0000 0.2540 0.0504 -0.1462 -0.1680 0.5969

Question 10

1  
point

**10. Question 10**

What value is printed at end of the following code?



1

2

3

4

5

cr <- corr("specdata", 2000)

n <- length(cr)

cr <- corr("specdata", 1000)

cr <- sort(cr)

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



2.0000 0.5596 -0.5655 -0.1241



3.0000 -0.0206 -0.5881 0.5135



0.0000 -0.0190 0.0419 0.1901



3.0000 -0.8907 0.4755 -0.0175



3.0000 0.5342 -0.6713 0.3684



0.0000 -0.8974 0.8278 0.4519

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