Programming Assignment 1: Quiz

10 questions

1.

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

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

- 3.666
- 4.868
- 6.545
- 3.782
- 4.064
- 6.026

2.

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

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

- 2.604
- 1.706
- 2.394

- 1.182
- 2.752
- 0.914

3.

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

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

- 1.477
- 1.573
- 0.591
- 0.450
- 1.300
- 0.680

4.

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

```
pollutantmean("specdata", "nitrate")
```

- 2.233
- 1.842
- 1.703
- 2.493

- 2.363
- 1.774

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)
```

- 228 148 124 165 104 460 232
- 217 210 206 214 211 203 211
- 201 214 235 183 198 210 210
- 227 184 189 196 232 224 189
- 215 201 188 204 193 213 206
- 204 222 200 212 213 198 196

6.

What value is printed at end of the following code?

```
cc <- complete("specdata", 54)
print(cc$nobs)
```

- 205
- 220
- 213
- 228
- 219

- 248

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"])
```

- 270 310 27 692 307 681 631 455 690 440
- 524 577 276 487 3 592 5 148 645 435
- 711 135 74 445 178 73 49 0 687 237
- 643 99 703 673 59 366 277 644 318 594
- 608 885 684 510 765 171 244 745 624 216

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)
```

- 0.3792 0.5118 0.3620 0.4726 0.5782
- 0.2688 0.1127 -0.0085 0.4586 0.0447
- -0.0203 0.5856 0.0983 0.3840 0.1137
- -0.0351 0.2736 -0.0176 0.5520 0.1828
- 0.1539 -0.0056 0.3023 0.4158 0.2558

- 0.4474 0.4720 0.1239 0.5220 0.2538

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)
```

- 247.0000 0.1958 0.9304 -0.4851 -0.8229 -0.0679
- 233.0000 -0.6377 0.3773 -0.0759 0.7335 0.2879
- 225.0000 0.4216 0.4207 -0.0507 0.9377 0.0277
- 243.0000 0.2540 0.0504 -0.1462 -0.1680 0.5969
- 242.0000 0.8233 0.3443 -0.2242 -0.7703 0.8735
- 229.0000 -0.2418 0.4496 0.8748 -0.3924 -0.5713

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)))
```

- 0.0000 -0.0190 0.0419 0.1901
- 3.0000 0.5342 -0.6713 0.3684
- 3.0000 -0.8907 0.4755 -0.0175

- 2.0000 0.5596 -0.5655 -0.1241
- 0.0000 -0.8974 0.8278 0.4519
- 3.0000 -0.0206 -0.5881 0.5135

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