

STT 5811 HW01 (IMS2E Section 2.5)

PUT YOUR NAME HERE

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Instructions

Complete all of the even-numbered exercises in **Introduction to Modern Statistics (2e), Section 2.5**. Use complete sentences and explain your answers for those questions where you are asked to do so.

Exercises

Exercise 2

ERASE AND TYPE YOUR ANSWER HERE

Exercise 4

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE

Exercise 6

- a. ERASE AND TYPE YOUR ANSWER HERE

b. ERASE AND TYPE YOUR ANSWER HERE

Exercise 8

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE
- c. ERASE AND TYPE YOUR ANSWER HERE
- d. ERASE AND TYPE YOUR ANSWER HERE

Exercise 10

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE

Exercise 12

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE
- c. ERASE AND TYPE YOUR ANSWER HERE

Exercise 14

ERASE AND TYPE YOUR ANSWER HERE

Exercise 16

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE

Exercise 18

ERASE AND TYPE YOUR ANSWER HERE

Exercise 20

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE
- c. ERASE AND TYPE YOUR ANSWER HERE
- d. ERASE AND TYPE YOUR ANSWER HERE
- e. ERASE AND TYPE YOUR ANSWER HERE

Exercise 22

ERASE AND TYPE YOUR ANSWER HERE

Exercise 24

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE
- c. ERASE AND TYPE YOUR ANSWER HERE
- d. ERASE AND TYPE YOUR ANSWER HERE
- e. ERASE AND TYPE YOUR ANSWER HERE
- f. ERASE AND TYPE YOUR ANSWER HERE

Exercise 26

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE
- c. ERASE AND TYPE YOUR ANSWER HERE
- d. ERASE AND TYPE YOUR ANSWER HERE
- e. ERASE AND TYPE YOUR ANSWER HERE

Exercise 28

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE
- c. ERASE AND TYPE YOUR ANSWER HERE

Exercise 30

- a. ERASE AND TYPE YOUR ANSWER HERE
- b. ERASE AND TYPE YOUR ANSWER HERE
- c. ERASE AND TYPE YOUR ANSWER HERE
- d. ERASE AND TYPE YOUR ANSWER HERE
- e. ERASE AND TYPE YOUR ANSWER HERE

Session Information

```
## R version 4.5.2 (2025-10-31)
## Platform: x86_64-redhat-linux-gnu
## Running under: Red Hat Enterprise Linux 9.7 (Plow)
##
## Matrix products: default
## BLAS/LAPACK: FlexiBLAS OPENBLAS-OPENMP; LAPACK version 3.9.0
##
## locale:
## [1] LC_CTYPE=en_US.UTF-8          LC_NUMERIC=C
## [3] LC_TIME=en_US.UTF-8          LC_COLLATE=en_US.UTF-8
## [5] LC_MONETARY=en_US.UTF-8       LC_MESSAGES=en_US.UTF-8
## [7] LC_PAPER=en_US.UTF-8          LC_NAME=C
## [9] LC_ADDRESS=C                  LC_TELEPHONE=C
## [11] LC_MEASUREMENT=en_US.UTF-8   LC_IDENTIFICATION=C
```

```
##  
## time zone: America/New_York  
## tzcode source: system (glibc)  
##  
## attached base packages:  
## [1] stats      graphics   grDevices utils     datasets  methods   base  
##  
## loaded via a namespace (and not attached):  
## [1] compiler_4.5.2    fastmap_1.2.0    cli_3.6.5       tools_4.5.2  
## [5] htmltools_0.5.8.1 rstudioapi_0.17.1 yaml_2.3.10    rmarkdown_2.30  
## [9] knitr_1.50       xfun_0.53       digest_0.6.37   rlang_1.1.6  
## [13] evaluate_1.0.5
```