**BIOS 668, 2023: Homework #1**

**Sara O’Brien**

Honor code: On my honor, I have neither given nor received unauthorized aid on this assignment.

Text, letter

Description automatically generated

Q1 (2'):

(1) See attached SAS code. Results:

Table

Description automatically generated

(2) See attached SAS code. Results:

Table

Description automatically generated

(3) See attached SAS code. Results:

Table

Description automatically generated

Q2(2’): See attached SAS code. Results:

|  |  |  |
| --- | --- | --- |
|  | **Set 1** | **Set 2** |
| *Trt only* | 22/500 = 0.044 | 28/500 = 0.056 |
| *Trt + all covariates* | 500/500 = 1 | 500/500 = 1 |

Q3(2’): See attached SAS code. Results:

1. Histogram of distribution of final assets:

Graphical user interface

Description automatically generated

1. **Mean final asset:** $4441.826

**Median final asset:** $400.452

**25% quantile:** $133.484

**75% quantile:** $3604.06