

Homework07a

Steve Simon

This file was created on 2020-07-06 and last modified on 2020-07-12.

Note: this solution uses R and SQLite. An alternate solution using SAS and Oracle is also available.

Your homework

- Round the value 29.526 to two decimal places.
- Truncate the value 29.526 to zero decimal places.
- Calculate the remainder of the value 2500 after it is divided by 500
- Put your code and output in a single pdf file

Note: Some of the names used in this code are arbitrary and you can choose whatever names you want. To emphasize which names can be modified at your discretion, I am using names of famous statisticians.

The statistician being honored in this code is John Tukey.

```
library(sqldf)

## Loading required package: gsubfn
## Loading required package: proto
## Loading required package: RSQLite
tukey <- dbConnect(SQLite(),
  dbname="../data/hospital.sqlite")

john <- dbGetQuery(conn=tukey, "
  select
    round(29.526, 2) as rounded_value,
    round(29.526-0.5, 0) as truncated_value,
    2500 % 500 as remainder
")

john

##   rounded_value truncated_value remainder
## 1          29.53             29         0

dbDisconnect(conn=tukey)
```