Module04 homework, Q4

Steve Simon

Dates: This file was created on 2020-07-12 and last modified on 2021-06-27.

Purpose: To answer M04-Q04. Use the titanic table in the melange database. Run a query that identifies the ages of the youngest and oldest patients in each passenger class.

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

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 George W. Snedecor.

```r
library(sqldf)
```

```
## Loading required package: gsubfn
```

```
## Loading required package: proto
```

```
## Loading required package: RSQLite
```

```r
snedecor <- dbConnect(SQLite(),
  dbname="../data/melange.sqlite")
george <- dbGetQuery(conn=snedecor,  "
  select
    PClass,
    min(Age) as youngest,
      max(Age) as oldest
  from titanic
  group by PClass
")

george
```

```
##   PClass youngest oldest
## 1   1st     0.92     71
## 2   2nd     0.80     71
## 3   3rd     0.17     65
```

```r
dbDisconnect(conn=snedecor)
```