

Module04 homework, Q2

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

Purpose: To answer M04-Q02. Use the hospital table in the ehr database. The variable ACUTE_NONACUTE has the values Acute and Non-Acute. Use the substr function to convert these two values to the first letter (A or N). Print out the first ten values only.

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

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/ehr.sqlite")  
  
john <- dbGetQuery(conn=tukey, "  
  select  
    substr(ACUTE_NONACUTE, 1, 1) as single_letter_code  
  from hospital  
  limit 10  
")  
  
john
```

```
##      single_letter_code  
## 1                      A  
## 2                      N  
## 3                      A  
## 4                      A  
## 5                      A  
## 6                      N  
## 7                      A  
## 8                      A  
## 9                      N  
## 10                     N
```

```
dbDisconnect(conn=tukey)
```