

Module07, Q3

Steve Simon

This file was created on 2020-07-24 and last modified on 2021-07-17.

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 Hirotugu Akaike.

Q3. Display all the pk1 values for patients 64 and older.

```
library(sqldf)

## Loading required package: gsubfn
## Loading required package: proto
## Loading required package: RSQLite

akaike <- dbConnect(SQLite(),
  dbname="../data/melange.sqlite")
hirotugu_q3 <- dbGetQuery(conn=akaike, "
  select
    d.id, d.age, b.pk1
  from acupuncture_demographics as d
  inner join acupuncture_baseline_results as b
  on d.id=b.id
  where d.age >= 64
")

hirotugu_q3

##      id age  pk1
## 1  131  64 14.50
## 2  172  64 74.25
## 3  217  65 22.50
## 4  252  64 29.75
## 5  380  65 41.25
## 6  578  64 13.00
## 7  590  65 20.50
## 8  634  64 70.00
## 9  734  64 18.00
## 10 884  65 17.50

dbDisconnect(conn=akaike)
```