

# Module05 homework, Q3

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Dates: This file was created on 2020-07-14 and last modified on 2021-07-01.

Purpose: Answer M05-Q03. Use the ehr database and write a SQL query that will list all the table names.

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 Box.

Here is the approach using SQL commands.

```
library(sqldf)

## Loading required package: gsubfn

## Loading required package: proto

## Loading required package: RSQLite

box <- dbConnect(SQLite(),
  dbname="../data/ehr.sqlite")
george <- dbGetQuery(conn=box, "
  select tbl_name from sqlite_master
")

george

##      tbl_name
## 1 encounter
## 2 patient_type
## 3 hospital

dbDisconnect(conn=box)
```

Here is an alternative approach using an R function. You don't have to do your homework both ways; I'm just showing different methods.

```
library(sqldf)
box <- dbConnect(SQLite(),
  dbname="../data/ehr.sqlite")
dbListTables(conn=box)

## [1] "encounter"      "hospital"        "patient_type"
```

```
dbDisconnect(conn=box)
```