

Homework-02-01

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This file was created on 2020-01-31 and last modified on 2021-01-23.

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

Use patient_type table in EHR Datamart. Refer to the page “Data used in this module” for a description of the data and where you can download it. Oracle users do not need to download anything, but do need to use schema=ehr in their code. Read all the fields and all the records from this table.

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 Gertrude Mary Cox.

```
library(sqldf)
```

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

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

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

```
cox <- dbConnect(SQLite(),  
  dbname="../data/ehr.sqlite")
```

```
gertrude <- dbGetQuery(conn=cox, "  
  select *  
  from patient_type  
")
```

```
gertrude
```

```
##   PAT_TYPE_ID   PAT_TYPE_DESC  
## 1         110 Unknown / Invalid  
## 2          79      Community  
## 3          84      Emergency  
## 4          89      Laboratory  
## 5          92      Non-Patient  
## 6          87      Inpatient  
## 7          97      Other Specialty  
## 8         142      Not Mapped  
## 9          78       Clinic  
## 10         104      Recurring  
## 11          98      Outpatient  
## 12          93      Observation
```

```
dbDisconnect(conn=cox)
```