# Homework02b

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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.

1. Read all fields and all records
2. Change Pat_type_desc to Patient_Type_Desc
3. Put your code and the output in a single PDF file

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/patient_type.sqlite")
gertrude <- dbGetQuery(conn=cox,  "
    select
      pat_type_id,
      Pat_type_desc as Patient_Type_Desc
      from patient_type
")

gertrude
```

```
##    PAT_TYPE_ID Patient_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)
```