M01-Q02

Steve Simon

This file was created on 2020-01-31 and last modified on 2021-05-21.

This program provides the answers to homework in m01-q02 of MEDB 5508, Introduction to SQL, where you were asked to read in data from the crawling table. This program is in the public domain and anyone can use the code in any way they wish without asking permission. You will be able to view this code after you have submitted your assignment. If you are having trouble getting your program to work, compare what you did to my code. If you are still having problems after viewing my code, please contact me.

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

M01-Q02. Use the table crawling. Run a query that changes Temperature to Temperature_F and displays all three fields and all records.

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 William Edwards Deming.

```r
library(sqldf)
```

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

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

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

```r
deming <- dbConnect(SQLite(),
  dbname="../data/melange.sqlite")

edwards <- dbGetQuery(conn=deming, "
    select
      Birth_month,
      Temperature as Temperature_F,
      avg_crawling_age
      from crawling
")

edwards
```

```
##     Birth_month Temperature_F avg_crawling_age
## 1      January            66            29.84
## 2      February           73            30.52
## 3        March            72            29.70
## 4        April            63            31.84
## 5          May            52            28.58
```

```
## 6            June             39             31.44
## 7            July             33             33.64
## 8          August             30             32.82
## 9       September             33             33.83
## 10         October             37             33.35
## 11        November             48             33.38
## 12        December             57             32.32
```

```r
dbDisconnect(conn=deming)
```