

Here is the coded used to generate the full table:

```
library(data.table)
dataset <- fread("data/train.csv", header = FALSE, sep = ",")
names(dataset) <- c("score", "title", "comment")

nms <- paste(
  sample(charlatan::person_en_us$first_names, nrow(dataset), TRUE),
  sample(charlatan::person_en_us$last_names, nrow(dataset), TRUE)
)

date <- sample(0:as.numeric(as.POSIXct("2010-01-01")), nrow(dataset), TRUE)
date <- as.POSIXct(date, origin = "1970-01-01")

dataset[
  , `:=`(
    score = NULL,
    name = nms,
    date = date
  )
]

data.table::fwrite(dataset, "datasetwithusers.csv")
```

Launch and use

The main purpose of this image is to provide a “real life” tool for teaching databases use.

Info: – the `POSTGRES_DB` used is `clients` – the `POSTGRES_PASSWORD` is `verysecretwow` – the `POSTGRES_USER` is `superduperuser`

To launch the db, do:

```
# Might take some time to warm up
docker run --rm -d -p 5432:5432 --name clientsdb colinfay/clientsdb:latest
```

Then, for example from R:

```
library(DBI)

con <- dbConnect(
  RPostgres::Postgres(),
  dbname = 'clients',
  host = 'localhost',
  port = 5432,
  user = 'superduperuser',
  password = 'verysecretwow'
)

dbListTables(con)

[1] "clients"

res <- dbSendQuery(con, "SELECT score, title, name, date FROM clients LIMIT 5")
dbFetch(res)
```

score	title	name	date
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1	5	Fantastic Item	Karolyn Wunsch	2003-01-02
2	4	Easy to Use, Great Value	Wayland Langosh	2008-06-06
3	4	It works well!	Fed Oberbrunner	1989-07-22
4	3	Meets a need	Lora Yost	1976-04-13
5	4	Ion TTUSB Turntable with USB Record	Valentina Harvey	1986-01-28

```
dbClearResult(res)
```

```
res <- dbSendQuery(con, "SELECT title, name, date FROM clients WHERE date =
'1998-05-12' LIMIT 10")
dbFetch(res)
```

	title	name	date
1	underrated art	Burgess Kuhlman	1998-05-12
2	Great product!	Madelyn Bailey	1998-05-12
3	Disappointing, not correct.	Scott Walsh	1998-05-12
4	The turtle says it all!	Magdalen Strosin	1998-05-12
5	I took the TEAS and NLN.	Rosie Bradtke	1998-05-12
6	Terrible.	Lita Marquardt	1998-05-12
7	Harlan County History	Clemon Effertz	1998-05-12
8	A flawed book, but a good subject.	Amey Rutherford	1998-05-12
9	Worth every penny	Debrah Keebler	1998-05-12
10	A light enjoyable read	Dwaine Schneider	1998-05-12

```
dbClearResult(res)
```

```
dbDisconnect(con)
```

And then stop the db.

```
docker stop clientsdb ...
```