Connecting R to Postgres

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How to connect R to a Postgres

In this document, I will show you how to connect your Postgres SQL (13.1) to your r. Now, there is currently an issue with connecting through sha passords so for th purpose of this demonstation I have removed the need for a password to connect to my local computer. Do not do this for any database shared online!

Setup

The first step is to install the packages necessary, there are a few but I have chosen to use RPostgreSQL, which you may haev to install on to your machine.

Connection

next step is to create the connection

```r
# loads the PostgreSQL driver
drv <- dbDriver("PostgreSQL")
# creates a connection to the postgres database
# "con", short for connection will be used later to reference this log in.
#I have named my database "homework_2"
con <- dbConnect(drv, dbname = "homework_2",
                 host = "localhost", port = 5432,
                 user = "postgres", password = "")
```

Voila, now that we have the connection. Let's test our connection! My table name is "movies", so I'll check and make sure it is there.

```r
dbExistsTable(con, "movies")
```

```
## [1] TRUE
```

Queries

Now that we know it is connected, let's run a basic query!

```
df_postgres <- dbGetQuery(con, "SELECT * from movies")
```

```
df_postgres
```

```
##    id     person nineteen_seventeen hamilton soul avengers knives_out rocketman
## 1   1       Ihor                  3        3    3        3          3         3
## 2   2 Vishwanath                  3        5    5        2          1         5
## 3   3    Shwetha                  5        5    4        3          2         1
## 4   4      Gregg                  4        2    1        5          4         3
## 5   5      Terry                  2        4    5        5          4         2
## 6   6        Tim                  1        4    3        3          4         3
## 7   7        Kim                  5        5    5        5          5         1
## 8   8       Mike                  4        1    1        2          5         3
## 9   9       Bill                  4        5    1        2          4         3
## 10 10        Sue                  1        2    2        1          2         1
```

And there it is!

Final Notes

Do not, I repeat, do not ever have a database without a password. Immediately after this example, I reverted it back to have password protection!