1 Install MySQL

Download the appropriate via here

- Note your installation path needed installing RMySQL package for R

1.1 Change root Password

Then changing the password for mysql:

```
mysqladmin −u root −p'oldpassword' password newpass
```

2 Install RMySQL on Mac and Linux

Reference: Coursera

To install RMySQL on mac you need to do some things:

1. Make sure you have the R package DBI installed first. In R console:

   ```
   install.packages("mgcv")
   ```

2. Download the tar file from cran.

3. Find your R home directory (using terminal):

   ```
   $ echo "R.home()" | Rscript /dev/stdin
   ```

4. Find your MySQL installation directory and set the variable MYSQL_HOME in terminal to that directory:

   ```
   $ MYSQL_HOME="/usr/local/mysql/"
   ```

   where /usr/local/mysql/ is your MySQL directory

5. Get your local dll path:

   ```
   $ echo "Sys.getenv('DYLD_FALLBACK_LIBRARY_PATH')" | Rscript /dev/stdin
   ```

   It should be something like (on mac):

   ```
   "/Library/Frameworks/R.framework/Resources/lib"
   ```

6. Use the result obtained at the previous command then symlink your libmysqlclient as follows:

   ```
   ln −s ${MYSQL_HOME}/lib/libmysqlclient.18.dylib <local dll path>
   ```

   It should be like:

   ```
   ln −s /usr/local/mysql/lib/libmysqlclient.18.dylib /Library/Frameworks/R.
       framework/Resources/lib
   ```

7. Install RMySQL package you downloaded:

   ```
   $ export PKG_LIBS="−L${MYSQL_HOME}/lib/ −lmysqlclient"
   $ export PKG_CPPFLAGS="−I${MYSQL_HOME}/include/"
   $ R CMD INSTALL <directory_where_the_R_package_is_located><
       filename_of_the_RMySQL_package>.tar.gz
   ```