

analysis

Julian DeGroot-Lutzner & Vickram Salwan

12/4/2017

```
require(ggmap)
```

```
## Loading required package: ggmap
```

```
## Loading required package: ggplot2
```

```
## Google Maps API Terms of Service: http://developers.google.com/maps/terms.
```

```
## Please cite ggmap if you use it: see citation("ggmap") for details.
```

```
mymap <- get_map(location = "New York", maptype = "roadmap")
```

```
## Source : https://maps.googleapis.com/maps/api/staticmap?center=New+York&zoom=10&size=640x640&scale=2
```

```
## Source : https://maps.googleapis.com/maps/api/geocode/json?address=New%20York
```

```
ggmap(mymap)
```



Something something

csvFiles.txt

```

library(RMySQL)
conn <- dbConnect(MySQL(), dbname = "bike_data", port = 3306)
need_help_list <- scan("needHelp.txt", what= "character", sep="\n")
no_help_list <- scan("noHelp.txt", what= "character", sep="\n")
helpers =c()
for(j in 1:length(need_help_list)){
  helpers[j] <- (paste("output", j, ".csv", sep = ""))
}

dbWriteTable(conn, name = "bike", overwrite = TRUE, value = need_help_list[1])
dbWriteTable(conn, name = "bike", append = TRUE, value = helpers[1])
message("Finished base files")
for(k in 2:length(need_help_list)){
  message(paste("Attempting: ", need_help_list[k]))
  dbWriteTable(conn, name = "bike", append = TRUE, value = need_help_list[k])
  message("Added.")
  message(paste("Attempting: ", helpers[k]))
  dbWriteTable(conn, name = "bike", append = TRUE, value = helpers[k])
  message("Added.")
}
message("Finished files that needed helpers.")
for(l in 1:length(no_help_list)){
  message(paste("Attempting: ", no_help_list[l]))
  dbWriteTable(conn, name = "bike", append = TRUE, value = no_help_list[l])
  message("Added.")
}
message("Done!")

dbWriteTable(conn, name = "bike", value = csv_list[1])
for(i in 2:length(csv_list)){
  dbWriteTable(conn, name = "bike", append = TRUE, value = csv_list[i])
}

# returns number of rows in table
# 922687
dbGetQuery(conn, "SELECT count(*) FROM bike2;")

bike_table <- tbl(conn, "bike")
}

```

code for getting every other line

```
sed -n 1~2p input.csv > output.csv
```

code for counting every line

```
sed -n '$=' file.csv
```

ignore logout

nohup Rscript script