Lab5

Vergil

November 7, 2015

Part 1

```
library(ggmap)

## Loading required package: ggplot2
```

```
library(leaflet)
visit.wine <- read.csv("http://www.stat.ucla.edu/~vlew/datasets/winery2015.csv",stringsA
sFactors=FALSE)
visit.wine <- visit.wine[1:101,]
str(visit.wine)</pre>
```

```
## 'data.frame': 101 obs. of 10 variables:
             : chr "Tom Scott Vineyard" "Steltzner Vineyards" "Rowland Cellars" "R
## $ Winery
oots Run Deep" ...
## $ Address : chr "1465 Yountville Cross Road" "6795 Washington St. #202" "1883 C
arignan Way" "6795 Washington Street #C" ...
            : chr "Yountville" "Yountville" "Yountville" "Yountville" ...
## $ Website
              : chr "www.tomscottvineyard.com" "www.steltzner.com" "www.rowlandcell
ars.com" "www.rootsrundeep.com" ...
## $ Phone
            : chr "944-0544" "944-2486" "944-0543" "945-1045" ...
              : chr "X" "X" "X" "" ...
## $ NWP
## $ App
              : chr "Private" "Private" "Private" ...
                      ...
## $ Cave
              : chr
## $ Tours : chr "" "" "" ...
                      "" "" "Cenay & Ramspeck Wine" "Educated Guess" ...
## $ Notes.Labels: chr
```

```
head(visit.wine)
```

```
##
                                                 Address
                      Winery
                                                               City
## 1
          Tom Scott Vineyard 1465 Yountville Cross Road Yountville
## 2
         Steltzner Vineyards
                               6795 Washington St. #202 Yountville
## 3
             Rowland Cellars
                                       1883 Carignan Way Yountville
## 4
              Roots Run Deep 6795 Washington Street #C Yountville
## 5 Kapcsandy Family Winery
                                         1001 State Lane Yountville
## 6
              Jessup Cellars
                                 6740 Washington Street Yountville
##
                      Website
                                 Phone NWP
                                               App Cave Tours
## 1 www.tomscottvineyard.com 944-0544
                                         X Private
## 2
            www.steltzner.com 944-2486
                                         X Private
## 3
       www.rowlandcellars.com 944-0543 X Private
## 4
         www.rootsrundeep.com 945-1045
                                           Private
## 5
       www.kapcsandywines.com 948-3100
                                         Х
                                                Yes
## 6
       www.jessupcellars.com 944-8523
                                                 No
##
                      Notes.Labels
## 1
## 2
## 3
             Cenay & Ramspeck Wine
## 4
                    Educated Guess
## 5 Thurs, Friday 2pm Sept onward
## 6
```

Task 1

```
visit.wine$State <- rep("CA",nrow(visit.wine))
visit.wine$Address <- paste(visit.wine$Address,visit.wine$City,visit.wine$State,sep = ",")
visit.wine$Address <- gsub("\\#","number ",visit.wine$Address)
head(visit.wine$Address)</pre>
```

```
## [1] "1465 Yountville Cross Road, Yountville, CA"
## [2] "6795 Washington St. number 202, Yountville, CA"
## [3] "1883 Carignan Way, Yountville, CA"
## [4] "6795 Washington Street number C, Yountville, CA"
## [5] "1001 State Lane, Yountville, CA"
## [6] "6740 Washington Street, Yountville, CA"
```

```
geocodeQueryCheck()
```

```
## 2500 geocoding queries remaining.
```

```
locg <- geocode(visit.wine$Address, output="latlona", messaging=FALSE, source="google")</pre>
```

```
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1465%
20Yountville%20Cross%20Road,Yountville,CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=6795%
20Washington%20St.%20number%20202, Yountville, CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=1883%
20Carignan%20Way, Yountville, CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=6795%
20Washington%20Street%20number%20C, Yountville, CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1001%
20State%20Lane, Yountville, CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=6740%
20Washington%20Street,Yountville,CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=6204%
20Washington%20Street, Yountville, CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=6540%
20Washington%20Street, Yountville, CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=6512%
20Washington%20Street, Yountville, CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=6548%
20Washington%20Street, Yountville, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=111
9%20State%20Lane, Yountville, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=679
5%20Washington%20Street, Yountville, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=663
3%20Yount%20Street, Yountville, CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=205
5%20Hoffman%20Lane, Yountville, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=257
0%20Napanook%20Road, Yountville, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1%20
California%20Drive, Yountville, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=620
6%20Washington%20Street,Yountville,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=741
5%20St.%20Helena%20Highway%20,Yountville,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=147
3%20Yountville%20Cross%20Road%20,Yountville,CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=4%20V
ineyard%20View%20Drive, Yountville, CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=118
5%20State%20Lane, Yountville, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=620
0%20Washington%20Street,Yountville,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=190
1%20Finnell%20Road, Yountville, CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=623
6%20Silverado%20Trail, Yountville, CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=252
0%20Camino%20Diablo,Walnut%20Cr.,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=601
5%20Steele%20Canyon%20Road,Sunnyvale,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=360
```

```
1%20Langtry%20Road,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=175
0%20Dean%20York%20Lane,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=144
3%20Silverado%20Trail,St.%20Helena,CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=2849%
20St.%20Helena%20Highway%20N,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=156
3%20St.%20Helena%20Hwy,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=308
0%20Lower%20Chiles%20Valley,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=402
8%20Spring%20Mountain%20Rd., St.%20Helena, CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=292
9%20St.%20Helena%20Highway%20N,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=120
0%20Dowdell%20Lane,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=649%
20Main%20Streeet,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=514%
20Pratt%20Ave,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=275%
20Mund%20Road,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=111
1%20White%20Lane,St.%20Helena,CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=8210%
20St.%20Helena%20Highway,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=335
8%20St.%20Helena%20Hwy,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=101
5%20Big%20Tree%20Road,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=807%
20St.%20Helena%20Hwy%20S%20St.%201,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=185
9%20Hillview%20Place,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=124
1%20Adams%20Road%20St.%201045,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=100
0%20Silverado%20Trail,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=378
7%20Spring%20Mountain%20Rd,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=277%
20St.%20Helena%20Hwy,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=333
1%20St.%20Helena%20Highway,St.%20Helena,CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=100%2
OPratt%20Ave,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=286
7%20N%20St.%20Helena%20Hwy,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=280
5%20Spring%20Mountain%20Rd,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=2190
2%20Madrona%20Ave,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=119
```

```
0%20Vineland%20Ave,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=345
0%20Sage%20Canyon%20Road,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=402
2%20Spring%20Mountain%20Rd,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=385%
20La%20Fata%20Street,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=212
5%20Inglewood%20Ave,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=348
0%20St.%20Helena%20Highway,St.%20Helena,CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=4060%
20Spring%20Mountain%20Rd,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=345%
20Lafata%20St%20Suite%20D,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=131
0%20Conn%20Valley%20Road,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=137
0%20Trancas%20Street%20number%20327,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=401
5%20Spring%20Mountain%20Rd%20,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=354
9%20Langtry%20Rd,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=121
4%20Main%20Street,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=397%
20Main%20Street,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=329
1%20St.%20Helena%20Highway,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=168
0%20Silverado%20Trail,St.%20Helena,CA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=2910%
20Lower%20Chiles%20Road,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=279
8%20Spring%20Street,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=352
2%20Silverado%20Trail,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=324
1%20Ehlers%20Lane,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=407
8%20Spring%20Mountain%20Rd.,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=366
0%20Spring%20Mountain%20Road, St.%20Helena, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=218%
20Zinfandel%20Lane,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=402
4%20Spring%20Mountain%20Road, St.%20Helena, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=451%
20Sanitarium%20Road,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=293
0%20St.%20Helena%20Highway%20N,St.%20Helena,CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1185%
20Starr%20Ave,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=584%
```

```
20Main%20Street,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=849%
20Zinfandel%20Lane,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=169
5%20St%20Helena%20Hwy,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=402
6%20Spring%20Mountain%20Road, St.%20Helena, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1281
Lewelling%20Ln,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=378
0%20Spring%20Mountain%20Road,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=846
6%20St.%20Helena%20Highway,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=310
0%20Spring%20Mountain%20Rd., St.%20Helena, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=140%
20Pine%20Place,St.%20Helena,CA&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=750%2
OChiles%20Ave,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=342
4%20Silverado%20Trail%20N,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=292
0%20Spring%20Mountain%20Rd%20number%20A,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=401
3%20Spring%20Mountain%20Road, St.%20Helena, CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=690%
20Meadowood%20Lane,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=255%
20Long%20Ranch%20Road,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=773
0%20Silverado%20Trail,St.%20Helena,CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=112
7%20Pope%20Street%20Ste.%20105,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=295
0%20Sage%20Canyon%20Road,St.%20Helena,CA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=215
3%20Sage%20Canyon%20Road,St.%20Helena,CA&sensor=false
```

head(locg)

```
## 1 -122.3466 38.42483 1465 yountville cross rd, yountville, ca 94599, usa
## 2 -122.3673 38.40650 6795 washington st, yountville, ca 94599, usa
## 3 -122.3549 38.40237 1883 carignan way, yountville, ca 94599, usa
## 4 -122.3673 38.40650 6795 washington st, yountville, ca 94599, usa
## 5 -122.3486 38.42262 1001 state ln, yountville, ca 94599, usa
## 6 -122.3662 38.40594 6740 washington st, yountville, ca 94599, usa
```

```
visit.wine$lon <- locg$lon
visit.wine$lat <- locg$lat</pre>
```

plot(visit.wine\$lon,visit.wine\$lat, data=visit.wine)

Warning in plot.window(...): "data" is not a graphical parameter

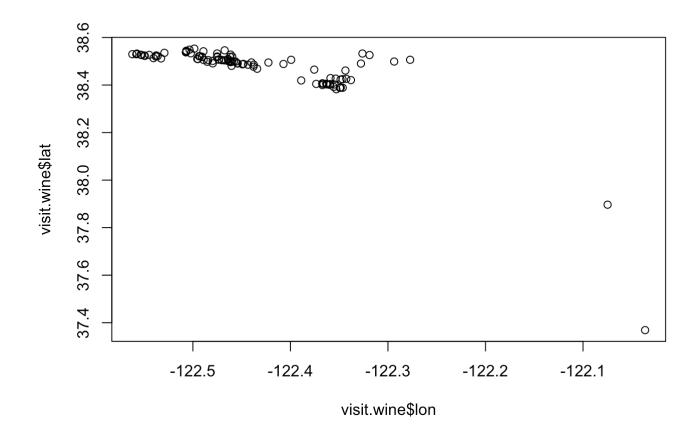
Warning in plot.xy(xy, type, ...): "data" is not a graphical parameter

Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
a graphical parameter

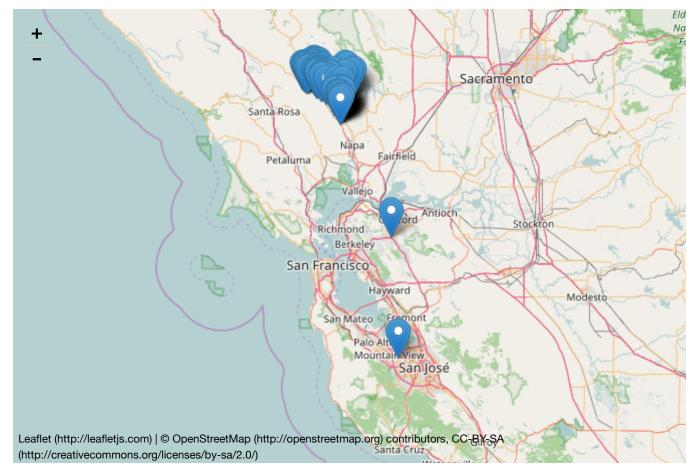
Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
a graphical parameter

Warning in box(...): "data" is not a graphical parameter

Warning in title(...): "data" is not a graphical parameter



```
leaflet(data = visit.wine[,]) %>%
  addTiles() %>%
  addMarkers(~visit.wine$lon, ~visit.wine$lat, popup = ~as.character(Winery))
```



Part 2

```
library(readxl)
walmart <- read_excel("~/Desktop/walmart.xls", sheet = 1, col_names = T,col_types = NULL,
    na="")
walmart <- walmart[1:101,]
walmart$Address <- paste(walmart$STREETADDR, walmart$City, walmart$State, sep = ", ")
walmart$Address <- gsub("#", "Ste ", walmart$Address)
locg2 <- geocode(walmart$Address, output="latlona", messaging=FALSE, source="google")</pre>
```

```
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=61%20
PLAZA%20DRIVE,%20KIMBALL,%20WV&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=188
1%20ROBERT%20C.%20BYRD%20DRIVE,%20MAC%20ARTHUR,%20WV&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=130%2
OCOMMERCE $20STREET, $20LAKE $20DELTON, $20WI&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=R.R.
Ste%201-BOX%20750(WALMART%20PLAZA),%20CRANBERRY,%20PA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=4769
99%20HIGHWAY%2095%20NORTH,%20PONDERAY,%20ID&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=320%
20MALLARD%20LANE,%20MASON,%20WV&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=88%2
OHIGHLAND%20CROSSING,%20EAST%20ELLIJAY,%20GA&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=1573%
20MAIN%20STREET,%20PALMYRA,%20ME&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=258%
20RIVER%20ROAD,%20MEXICO,%20ME&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=474%
20BOSTON%20POST%20ROAD,%20NORTH%20WINDHAM,%20CT&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=742%
20MAIN%20STREET,%20NORTH%20OXFORD,%20MA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=219%
20HIGHWAY%20412,%20ASH%20FLAT,%20AR&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=574
1%20BUFFALO%20ROAD,%20HARBORCREEK,%20PA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=690%
20HIGHWAY%2078,%20SUMITON,%20AL&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=454
0%20MAIN%20ST.%20B%203079,%20SHALLOTTE,%20NC&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1300
1%20HWY%2090,%20BOUTTE,%20LA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=180
0%20W%20HWY%2070,%20RUIDOSO%20DOWNS,%20NM&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=3222
5%20HIGHWAY%2079%20SOUTH,%20TEMECULA,%20CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=500%
20TERRY%20RICH%20BLVD,%20SAINT%20CLAIR,%20PA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=185
0%20VETERANS%20MEMORIAL%20HWY,%20ISLANDIA,%20NY&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=157
0%20CHESTER%20PIKE,%20CRUM%20LYNNE,%20PA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=160
8%20NORTH%20SWENSON,%20STAMFORD,%20TX&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=379%
20SOUTH%20STREET,%20CALAIS,%20ME&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=100%
20SOUTH%20RAGUS%20RD,%20CLAYPOOL,%20AZ&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1332
0%20G.C.%20PEERY%20HWY,%20POUNDING%20MILL,%20VA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=491%
20MAIN%20STREET,%20GORHAM,%20NH&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=100%
```

```
20COMMERCIAL%20DRIVE,%20PINEVILLE,%20MO&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=7065%
20NORTH%20INGRAM%20AVENUE,%20FRESNO,%20CA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=567%
20ROUTE%20100%20NORTH,%20BECHTELSVILLE,%20PA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=500%
20ROUTE%20940,%20MOUNT%20POCONO,%20PA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=777%
20N%20MAIN,%20EPHRAIM,%20UT&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=333%
20EAST%20WALNUT,%20THAYER,%20MO&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=30%2
OWALNUT%20STREET,%20BRENT,%20AL&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=716
2%20HWY%201,%20MANSURA,%20LA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=100%
20EAST%20I-240%20SERVICE%20ROAD,%20OKLAHOMA%20CITY,%20OK&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=235%
20RIDGEDALE%20AVENUE,%20CEDAR%20KNOLLS,%20NJ&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=2573
7%20US%20Rte%2011,%20EVANS%20MILLS,%20NY&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=923%2
OWEST%2011%20STREET%20(HWY%209),%20HOBART,%20OK&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=200
0%20W%20MEMORIAL%20ROAD,%20OKLAHOMA%20CITY,%20OK&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=461%
20RT%2010%20LEDGEWOOD%20MALL%20Ste%2029,%20LEDGEWOOD,%20NJ&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=PINE
CREST%20PLAZA%20SHOPPING%20CTR,%20BRINKLEY,%20AR&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=171
1%20HWY%2010%20WEST,%20DILWORTH,%20MN&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=US%2
065%20SOUTH,%20MC%20GEHEE,%20AR&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=285%
20PLAINFIELD%20ROAD,%20WEST%20LEBANON,%20NH&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=140
5%20MIDDLE%20ROAD,%20FULTON,%20KY&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=671
1%20St%20Hwy%20135,%20MAYODAN,%20NC&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=201%
20WALTON%20ROAD,%20HARLAN,%20KY&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=810%2
0SO.%2037TH%20ST.,%20BETHANY,%20MO&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=201%
20MONTGOMERY%20CROSSING,%20BISCOE,%20NC&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=18%2
OGEORGE'S%20FIELD,%20HINSDALE,%20NH&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=515%
20EAST%204TH%20STREET,%20WATKINS%20GLEN,%20NY&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=US%2
OHIGHWAY%2011,%20LIVINGSTON,%20AL&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=190
0%20WEST%20MAIN,%20CORNING,%20AR&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=337%
```

20N%20SUNSET,%20KENEDY,%20TX&sensor=false

.Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=168%

20WALMART%20DRIVE,%20FLIPPIN,%20AR&sensor=false

.Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=300

5%20CRANBERRY%20HWY%20(RT%206%20&%2028),%20EAST%20WAREHAM,%20MA&sensor=false

```
## Warning: geocode failed with status ZERO_RESULTS, location = "3005
## CRANBERRY HWY (RT 6 & 28), EAST WAREHAM, MA"
```

```
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=143
3%20SO.%20SAM%20HOUSTON%20BLVD,%20HOUSTON,%20MO&sensor=false
## Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=929%2
OSOUTH%20PINE%20STREET,%20VIVIAN,%20LA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=46%2
ONORTH%20SOUTH%20ROAD,%20NORTH%20CONWAY,%20NH&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=331
0%20W%20GEORGIA%20STREET,%20LOUISIANA,%20MO&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=324%
20WEST%20AGENCY%20ROAD,%20WEST%20BURLINGTON,%20IA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=77%2
ONORMAN%20MORGAN%20BLVD,%20LOGAN,%20WV&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=117
4%20PONY%20EXPRESS%20HWY,%20MARYSVILLE,%20KS&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=460%
20HWY%2090,%20WAVELAND,%20MS&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=230
5%20HWY%2067%20WEST,%20BALLINGER,%20TX&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=30%2
OMEMORIAL%20DRIVE,%20AVON,%20MA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=830
1%20NO.%20CHURCH%20ROAD,%20KANSAS%20CITY,%20MO&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=840%2
OSUMMIT%20BLVD.,%20FRISCO,%20CO&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=1675
9%20HWY%203235,%20GALLIANO,%20LA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=121
0%20GIANT%20DRIVE,%20BLUE%20EARTH,%20MN&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=350%
20E.%20FAIRMOUNT%20AVE,%20LAKEWOOD,%20NY&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=621%
20EAST%20LAKE%20STREET,%20TAWAS%20CITY,%20MI&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=683%
20TENNEY%20MOUNTAIN%20HIGHWAY,%20PLYMOUTH,%20NH&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=870
0%20ANDERMATT%20DRIVE,%20LINCOLN,%20NE&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=220
7%20IOWA,%20HIAWATHA,%20KS&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=113
4%20WICKER%20STREET,%20TICONDEROGA,%20NY&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=Ste%
2015%20HALS%20PLAZA%20DR,%20PIEDMONT,%20MO&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=69%20
PROSPECT%20HILL%20ROAD,%20EAST%20WINDSOR,%20CT&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=220
4%20HWY%2082%20WEST,%20CLARKSVILLE,%20TX&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=150
1%20K%20STREET,%20FAIRBURY,%20NE&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=112
3%20HIGHWAY%2079%20/%20167%20BYPASS,%20FORDYCE,%20AR&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=377
0%20SOUTH%20HIGHWAY%20395,%20CARSON%20CITY,%20NV&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=112
```

```
6%20HIGHWAY%2038%20NORTH,%20TIPTON,%20IA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=160
8%20W.%20MAGNOLIA%20AVE.,%20GENEVA,%20AL&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=US%2
060, %20HARDINSBURG, %20KY&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=221
2%20GLACIER%20DRIVE,%20SAINT%20CROIX%20FALLS,%20WI&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=100
7%20NORTH%20DOUGLAS,%20MALDEN,%20MO&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=2700%
20CENTRAL%20FREEWAY,%20WICHITA%20FALLS,%20TX&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=101%
20W%20HIGHWAY%2060,%20MOUNTAIN%20VIEW,%20MO&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=337%
20RUSSELL%20STREET,%20HADLEY,%20MA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=192
0%20SOUTH%20ARKANSAS,%20SPRINGHILL,%20LA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=772
5%20HOKE%20ROAD,%20CLAYTON,%20OH&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=170
1%20WEST%20133RD%20STREET,%20KANSAS%20CITY,%20MO&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=297
0%20MILITARY%20AVENUE,%20BAXTER%20SPRINGS,%20KS&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=780%
20COMMONWEALTH%20DRIVE,%20NORTON,%20VA&sensor=false
## .Information from URL : http://maps.googleapis.com/maps/api/geocode/json?address=750%
20US%20HWY%20202,%20RINDGE,%20NH&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=141
0%20E.%20MAIN%20ST.,%20EASTLAND,%20TX&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=160%2
OKINTER%20WAY,%20PEARISBURG,%20VA&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=228
1%20WEST%20190%20NO%20HWY%2070,%20THATCHER,%20AZ&sensor=false
## .Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=216
0%20C0MMERCE%20ROAD,%20GOODLAND,%20KS&sensor=false
## Information from URL: http://maps.googleapis.com/maps/api/geocode/json?address=100%2
OMCGINNIS%20DRIVE,%20WAYNE,%20WV&sensor=false
```

```
walmart$lon <- locg2$lon
walmart$lat <- locg2$lat</pre>
```

```
plot(walmart$lon,walmart$lat, data=walmart)
```

```
## Warning in plot.window(...): "data" is not a graphical parameter
```

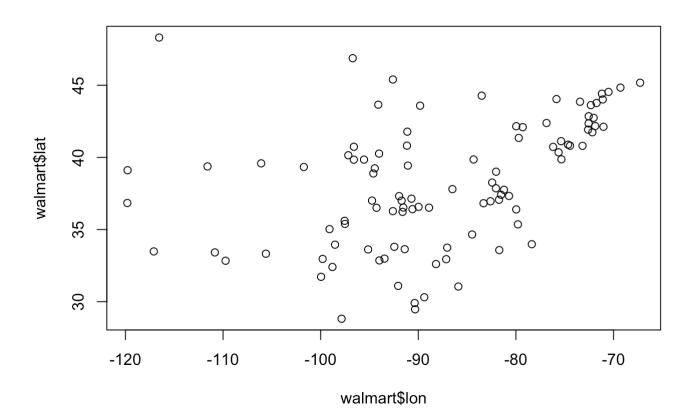
```
## Warning in plot.xy(xy, type, ...): "data" is not a graphical parameter
```

```
## Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
## a graphical parameter
```

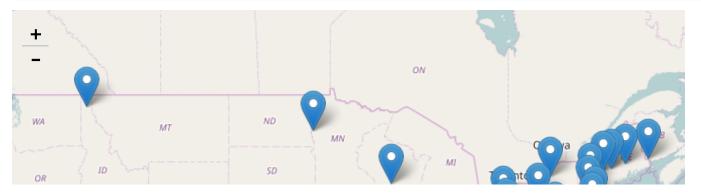
```
## Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
## a graphical parameter
```

```
## Warning in box(...): "data" is not a graphical parameter
```

```
## Warning in title(...): "data" is not a graphical parameter
```



```
leaflet(data = walmart[,]) %>%
  addTiles() %>%
  addMarkers(~walmart$lon, ~walmart$lat, popup = ~as.character(storenum))
```





Part 3

```
library(ggmap)
library(leaflet)
mcdonalds <- read_excel("~/Desktop/Mcdonalds_USA.xls", sheet = 1, col_names = T,col_types
= NULL, na="")
mcdonalds <- mcdonalds[1:101,]
head(mcdonalds,n=100)</pre>
```

```
##
        longitude latitude
                                                             store
## 1
       -149.86831 61.14013
                                      McDonalds [WM]-Anchorage, AK
## 2
                                      McDonalds [WM]-Anchorage, AK
       -149.88113 61.19243
## 3
       -149.89863 61.19475
                                           McDonalds-Anchorage, AK
## 4
       -149.87056 61.18835
                                           McDonalds-Anchorage, AK
## 5
       -149.86325 61.13988
                                           McDonalds-Anchorage, AK
## 6
       -149.85796 61.10844
                                           McDonalds-Anchorage, AK
## 7
       -149.83232 61.18121
                                           McDonalds-Anchorage, AK
## 8
       -149.82363 61.21935
                                           McDonalds-Anchorage, AK
## 9
       -149.77509 61.20936
                                           McDonalds-Anchorage, AK
## 10
      -149.73271 61.22137
                                           McDonalds-Anchorage, AK
## 11
      -149.97996 61.17302
                                           McDonalds-Anchorage, AK
## 12
      -149.95083 61.13706
                                 McDonalds PlayPlace-Anchorage, AK
## 13
      -149.93678 61.18152
                                 McDonalds PlayPlace-Anchorage, AK
## 14
      -149.83509 61.13820
                                 McDonalds PlayPlace-Anchorage, AK
## 15
      -149.73272 61.19285
                                 McDonalds PlayPlace-Anchorage, AK
## 16
      -149.57115 61.32703
                               McDonalds PlayPlace-Eagle River, AK
## 17
      -147.75911 64.83730
                                 McDonalds PlayPlace-Fairbanks, AK
## 18
      -147.69661 64.85938
                                 McDonalds PlayPlace-Fairbanks, AK
## 19
      -147.82012 64.84873
                                 McDonalds PlayPlace-Fairbanks, AK
## 20
      -151.52306 59.64270
                                                McDonalds-Homer, AK
## 21
      -151.23591 60.55984
                                     McDonalds PlayPlace-Kenai, AK
## 22
      -147.35142 64.75807
                                McDonalds PlayPlace-North Pole, AK
## 23
      -149.12366 61.59902
                                               McDonalds-Palmer, AK
## 24
      -151.07100 60.48309
                                            McDonalds-Soldotna, AK
## 25
      -149.36409 61.56927
                                        McDonalds [WM]-Wasilla, AK
## 26
      -149.43090 61.58143
                                   McDonalds PlayPlace-Wasilla, AK
## 27
       -86.96323 33.61071
                                McDonalds PlayPlace-Adamsville, AL
## 28
       -86.80522 33.22832
                                           McDonalds-Alabaster, AL
## 29
       -86.81177 33.26258
                                 McDonalds PlayPlace-Alabaster, AL
                               McDonalds PlayPlace-Albertville, AL
## 30
        -86.20708 34.27670
       -85.95846 32.92119 McDonalds PlayPlace-Alexander City, AL
## 31
## 32
        -86.39416 34.11883
                                             McDonalds-Altoona, AL
       -86.51839 31.27594
## 33
                                           McDonalds-Andalusia, AL
## 34
        -85.82663 33.66911
                                  McDonalds PlayPlace-Anniston, AL
## 35
        -85.81804 33.71946
                                  McDonalds PlayPlace-Anniston, AL
## 36
        -85.78884 33.62910
                                  McDonalds PlayPlace-Anniston, AL
                                      McDonalds PlayPlace-Arab, AL
## 37
        -86.50283 34.32584
## 38
        -86.84025 34.99181
                                   McDonalds PlayPlace-Ardmore, AL
## 39
        -85.82625 33.27559
                                   McDonalds PlayPlace-Ashland, AL
## 40
        -86.95088 34.80485
                                               McDonalds-Athens, AL
## 41
        -86.93826 34.78282
                                    McDonalds PlayPlace-Athens, AL
                                    McDonalds PlayPlace-Atmore, AL
## 42
        -87.49385 31.00651
## 43
        -86.07735 34.01812
                                   McDonalds PlayPlace-Attalla, AL
## 44
        -85.48354 32.60663
                                               McDonalds-Auburn, AL
                                    McDonalds PlayPlace-Auburn, AL
## 45
        -85.50520 32.56097
## 46
        -85.44573 32.62495
                                    McDonalds PlayPlace-Auburn, AL
## 47
        -87.78384 30.87913
                                         McDonalds-Bay Minette, AL
## 48
        -86.92224 33.33711
                                             McDonalds-Bessemer, AL
## 49
        -86.99860 33.36264
                                  McDonalds PlayPlace-Bessemer, AL
## 50
        -86.96937 33.39583
                                  McDonalds PlayPlace-Bessemer, AL
## 51
        -86.60400 33.62097
                                     McDonalds [WM]-Birmingham, AL
## 52
        -86.68185 33.41874
                                     McDonalds [WM]-Birmingham, AL
```

```
## 53
        -86.69884 33.58860
                                     McDonalds [WM]-Birmingham, AL
## 54
        -86.84708 33.50003
                                           McDonalds-Birmingham, AL
## 55
        -86.83970 33.48048
                                           McDonalds-Birmingham, AL
## 56
        -86.82769 33.54057
                                           McDonalds-Birmingham, AL
## 57
        -86.81908 33.55394
                                           McDonalds-Birmingham, AL
                                           McDonalds-Birmingham, AL
## 58
        -86.80779 33.50465
## 59
        -86.80019 33.53363
                                           McDonalds-Birmingham, AL
## 60
        -86.79087 33.49071
                                           McDonalds-Birmingham, AL
## 61
        -86.78817 33.50977
                                           McDonalds-Birmingham, AL
## 62
        -86.74863 33.54354
                                           McDonalds-Birmingham, AL
## 63
        -86.68365 33.63668
                                           McDonalds-Birmingham, AL
## 64
        -86.89285 33.56157
                                McDonalds PlayPlace-Birmingham, AL
## 65
        -86.87868 33.49530
                                McDonalds PlayPlace-Birmingham, AL
## 66
        -86.73994 33.38369
                                McDonalds PlayPlace-Birmingham, AL
## 67
        -86.72150 33.52553
                                McDonalds PlayPlace-Birmingham, AL
## 68
        -86.81150 33.52029
                                McDonalds PlayPlace-Birmingham, AL
                                McDonalds PlayPlace-Birmingham, AL
## 69
        -86.69656 33.58819
## 70
        -86.15069 34.19869
                                       McDonalds PlayPlace-Boaz, AL
## 71
        -87.07977 31.09949
                                   McDonalds PlayPlace-Brewton, AL
## 72
        -86.95276 33.42752
                                             McDonalds-Brighton, AL
## 73
        -86.74985 33.14685
                                    McDonalds PlayPlace-Calera, AL
## 74
        -85.66817 34.16015
                                    McDonalds PlayPlace-Centre, AL
## 75
        -87.14207 32.94485
                               McDonalds PlayPlace-Centreville, AL
## 76
        -86.63385 33.34814
                                   McDonalds PlayPlace-Chelsea, AL
## 77
        -86.35069 33.26488
                              McDonalds PlayPlace-Childersburg, AL
## 78
        -86.60887 32.81881
                                              McDonalds-Clanton, AL
## 79
        -86.57607 32.80110
                                   McDonalds PlayPlace-Clanton, AL
        -86.61589 33.17985
                                McDonalds PlayPlace-Columbiana, AL
## 80
## 81
        -87.44804 33.17606
                                McDonalds PlayPlace-Cottondale, AL
## 82
        -86.87543 34.20702
                                              McDonalds-Cullman, AL
                                              McDonalds-Cullman, AL
## 83
        -86.83668 34.16290
## 84
        -85.73031 32.82105
                                 McDonalds PlayPlace-Dadeville, AL
## 85
        -85.71279 31.30934
                                            McDonalds-Daleville, AL
        -87.91231 30.64960
                                               McDonalds-Daphne, AL
## 86
## 87
        -87.90151 30.60390
                                               McDonalds-Daphne, AL
        -87.01302 34.57255
                                              McDonalds-Decatur, AL
## 88
## 89
        -86.98017 34.58920
                                              McDonalds-Decatur, AL
        -86.90870 34.53590
                                   McDonalds PlayPlace-Decatur, AL
## 90
## 91
        -87.83765 32.50487
                                 McDonalds PlayPlace-Demopolis, AL
## 92
        -86.88397 34.04157
                                           McDonalds-Dodge City, AL
## 93
        -87.06599 33.75933
                                      McDonalds PlayPlace-Dora, AL
## 94
        -85.40020 31.22511
                                               McDonalds-Dothan, AL
## 95
        -85.39758 31.18968
                                               McDonalds-Dothan, AL
## 96
        -85.36078 31.21709
                                               McDonalds-Dothan, AL
        -85.42768 31.24592
## 97
                                    McDonalds PlayPlace-Dothan, AL
        -85.38914 31.25415
                                    McDonalds PlayPlace-Dothan, AL
## 98
        -86.90779 33.49959
                                    McDonalds PlayPlace-Ensley, AL
## 99
## 100
        -85.86459 31.33361
                                     McDonalds [WM]-Enterprise, AL
##
                                                                address
## 1
              8900 Old Seward Hwy [WM], Anchorage, AK, (907) 344-5831
## 2
                         3101 A St [WM], Anchorage, AK, (907) 561-5137
            800 W Northern Lights Blvd, Anchorage, AK, (907) 561-5525
## 3
## 4
                         701 E 36th Ave, Anchorage, AK, (907) 563-0658
## 5
                   8915 Old Seward Hwy, Anchorage, AK, (907) 344-4231
```

```
## 6
                        1320 Huffman Rd, Anchorage, AK, (907) 345-5932
## 7
                        2601 E Tudor Rd, Anchorage, AK, (907) 562-2108
## 8
                 3006 Mountain View Dr, Anchorage, AK, (907) 274-5686
## 9
                         5716 Debarr Rd, Anchorage, AK, (907) 333-0413
                         255 Muldoon Rd, Anchorage, AK, (907) 337-0810
## 10
## 11
       5000 W International Airport Rd, Anchorage, AK, (907) 243-0085
## 12
                    3828 W Dimond Blvd, Anchorage, AK, (907) 248-0597
## 13
                        4350 Spenard Rd, Anchorage, AK, (907) 243-5122
## 14
                    9100 Lake Otis Pky, Anchorage, AK, (907) 349-0285
## 15
                        3035 Muldoon Rd, Anchorage, AK, (907) 338-7377
                 11808 Old Glenn Hwy, Eagle River, AK, (907) 694-4500
## 16
## 17
                       1930 Airport Way, Fairbanks, AK, (907) 452-4600
## 18
                449 Harold Bentley Ave, Fairbanks, AK, (907) 451-0770
                          3905 Geist Rd, Fairbanks, AK, (907) 474-2010
## 19
## 20
                        3656 Ben Walters Ln, Homer, AK, (907) 235-5400
## 21
                       10447 Kenai Spur Hwy, Kenai, AK, (907) 283-4008
## 22
                 352 N Santa Claus Ln, North Pole, AK, (907) 488-7779
## 23
                            600 W Daron Dr, Palmer, AK, (907) 746-0335
## 24
                      44420 Sterling Hwy, Soldotna, AK, (907) 262-1074
             1350 S Seward Meridian [WM], Wasilla, AK, (907) 373-2523
## 25
                          801 E Parks Hwy, Wasilla, AK, (907) 376-4433
## 26
## 27
          5721 Veterans Memorial Pkwy, Adamsville, AL, (205) 674-7288
                      205 S Colonial Dr, Alabaster, AL, (205) 621-2805
## 28
## 29
                          1499 1st St N, Alabaster, AL, (205) 664-3761
## 30
                      7375 Us Hwy 431, Albertville, AL, (256) 878-6755
## 31
                 4094 Highway 280, Alexander City, AL, (256) 329-1283
## 32
                         87134 Us Hwy 278, Altoona, AL, (205) 466-5211
## 33
                              315 W Byp, Andalusia, AL, (334) 222-7875
                       1901 Quintard Ave, Anniston, AL, (256) 236-5224
## 34
## 35
                     5550 Mcclellan Blvd, Anniston, AL, (256) 820-0038
## 36
                3424 Greenbrier Dear Dr, Anniston, AL, (256) 832-4543
## 37
                         700 N Brandlee Pkwy, Arab, AL, (256) 586-8792
## 38
                            26862 Main St, Ardmore, AL, (256) 423-3663
                              83690 Hwy 9, Ashland, AL, (256) 354-2339
## 39
## 40
                               103 Us 31 N, Athens, AL, (256) 233-1275
                              1529 Us 72 E, Athens, AL, (256) 232-1927
## 41
## 42
                            1414 S Main St, Atmore, AL, (251) 368-2267
                        610 Cleveland Ave, Attalla, AL, (256) 538-1107
## 43
                    224 West Magnolia Ave, Auburn, AL, (334) 821-7185
## 44
## 45
                           2372 College St, Auburn, AL, (334) 502-8900
## 46
                          1634 Opelika Hwy, Auburn, AL, (334) 821-5303
## 47
                      98 McMeans Ave, Bay Minette, AL, (251) 937-2611
## 48
                        1195 Greenmor Dr, Bessemer, AL, (205) 425-6200
## 49
                          765 Academy Dr, Bessemer, AL, (205) 425-4727
## 50
                           911 9th Ave N, Bessemer, AL, (205) 428-9768
        5919 Trussville Crossing [WM], Birmingham, AL, (205) 661-0225
## 51
                       Hwy US 280 [WM], Birmingham, AL, (205) 980-4948
## 52
                  9248 Parkway E [WM], Birmingham, AL, (205) 833-9665
## 53
## 54
                       732 Lomb Ave Sw, Birmingham, AL, (205) 787-6245
## 55
                      801 Dennison Ave, Birmingham, AL, (205) 323-5387
                     1700 Finley Blvd, Birmingham, AL, (205) 254-3646
## 56
## 57
                        3220 26th St N, Birmingham, AL, (205) 324-8945
## 58
                        1501 5th Ave S, Birmingham, AL, (205) 933-1650
## 59
                       3013 12th Ave N, Birmingham, AL, (205) 324-5005
```

```
## 60
                  2001 Montgomery Hwy, Birmingham, AL, (205) 930-9777
## 61
                          2733 8th Ave, Birmingham, AL, (205) 324-5892
                        5904 1st Ave N, Birmingham, AL, (205) 592-2671
## 62
                 1907 Center Point Rd, Birmingham, AL, (205) 854-4362
## 63
                 1309 Forestdale Blvd, Birmingham, AL, (205) 798-2896
## 64
## 65
                     2201 Bessemer Hwy, Birmingham, AL, (205) 780-5841
## 66
                   2640 Valleydale Rd, Birmingham, AL, (205) 408-7448
## 67
                    1569 Montclair Rd, Birmingham, AL, (205) 956-9666
## 68
                        4625 Hwy 280 S, Birmingham, AL, (205) 991-3086
## 69
                        200 Gadsden Rd, Birmingham, AL, (205) 833-5149
                            861 Us Hwy 431 S, Boaz, AL, (256) 593-1015
## 70
## 71
                           464 South Blvd, Brewton, AL, (251) 867-4540
## 72
                         3633 Jaybird Rd, Brighton, AL, (205) 428-3837
## 73
                        706 Supercenter Dr, Calera, AL, (205) 668-7588
## 74
                        650 Cedar Bluff Rd, Centre, AL, (256) 927-4200
## 75
                        187 Walnut St, Centreville, AL, (205) 926-6186
## 76
                         16758 Us Hwy 280, Chelsea, AL, (205) 678-0505
## 77
                   33785 Us Hwy 280, Childersburg, AL, (256) 378-5977
## 78
                            1415 7th St S, Clanton, AL, (205) 280-0159
## 79
                            2250 7th St S, Clanton, AL, (205) 755-8411
                      301 W College St, Columbiana, AL, (205) 669-7710
## 80
## 81
                   6501 Interstate Ln, Cottondale, AL, (205) 507-0700
                      6065 Al Highway 157, Cullman, AL, (256) 734-4258
## 82
## 83
                          1425 2nd Ave Sw, Cullman, AL, (256) 734-4073
## 84
                      17956 Highway 280, Dadeville, AL, (256) 825-8744
## 85
                   575 N Daleville Ave, Daleville, AL, (334) 598-6072
                               29138 Us 98, Daphne, AL, (251) 621-3596
## 86
                        29919 Woodrow Lane, Daphne, AL, (251) 626-9909
## 87
                      2225 Danville Rd Sw, Decatur, AL, (256) 350-7083
## 88
## 89
                          1208 6th Ave Se, Decatur, AL, (256) 353-8911
               3342 Point Mallard Pky Se, Decatur, AL, (256) 584-6886
## 90
## 91
                         1111 Walnut St, Demopolis, AL, (334) 289-3069
## 92
                          231 Hwy 69 S, Dodge City, AL, (256) 287-9543
## 93
                                 2445 Hwy 78, Dora, AL, (205) 648-3673
## 94
                             619 W Main St, Dothan, AL, (334) 793-1625
                       2101 Ross Clark Cir, Dothan, AL, (334) 794-0221
## 95
## 96
                       1081 Ross Clark Cir, Dothan, AL, (334) 677-0779
                       3520 Ross Clark Cir, Dothan, AL, (334) 792-0313
## 97
## 98
                            2251 Reeves St, Dothan, AL, (334) 702-8338
## 99
                             3520 Avenue E, Ensley, AL, (205) 780-4146
## 100
          600 Boll Weevil Circle [WM], Enterprise, AL, (334) 393-6679
```

```
plot(mcdonalds$longitude,mcdonalds$latitude, data=mcdonalds)
```

```
## Warning in plot.window(...): "data" is not a graphical parameter
```

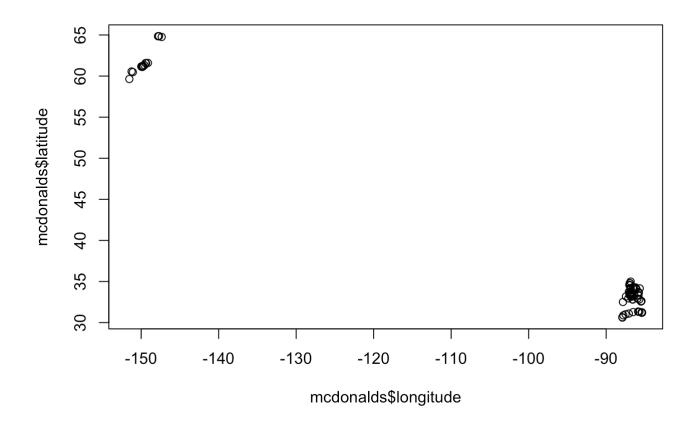
```
## Warning in plot.xy(xy, type, ...): "data" is not a graphical parameter
```

```
## Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
## a graphical parameter
```

```
## Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
## a graphical parameter
```

```
## Warning in box(...): "data" is not a graphical parameter
```

```
## Warning in title(...): "data" is not a graphical parameter
```



```
leaflet(data = mcdonalds[,]) %>%
  addTiles() %>%
  addMarkers(~mcdonalds$longitude, ~mcdonalds$latitude, popup = ~as.character(store))
```

```
##
        longitude latitude
                                                             store
## 1
       -149.86831 61.14013
                                      McDonalds [WM]-Anchorage, AK
## 2
                                      McDonalds [WM]-Anchorage, AK
       -149.88113 61.19243
## 3
       -149.89863 61.19475
                                           McDonalds-Anchorage, AK
## 4
       -149.87056 61.18835
                                           McDonalds-Anchorage, AK
## 5
       -149.86325 61.13988
                                           McDonalds-Anchorage, AK
## 6
       -149.85796 61.10844
                                           McDonalds-Anchorage, AK
## 7
       -149.83232 61.18121
                                           McDonalds-Anchorage, AK
## 8
       -149.82363 61.21935
                                           McDonalds-Anchorage, AK
## 9
       -149.77509 61.20936
                                           McDonalds-Anchorage, AK
## 10
      -149.73271 61.22137
                                           McDonalds-Anchorage, AK
## 11
      -149.97996 61.17302
                                           McDonalds-Anchorage, AK
## 12
      -149.95083 61.13706
                                 McDonalds PlayPlace-Anchorage, AK
## 13
      -149.93678 61.18152
                                 McDonalds PlayPlace-Anchorage, AK
## 14
      -149.83509 61.13820
                                 McDonalds PlayPlace-Anchorage, AK
## 15
      -149.73272 61.19285
                                 McDonalds PlayPlace-Anchorage, AK
## 16
      -149.57115 61.32703
                               McDonalds PlayPlace-Eagle River, AK
## 17
      -147.75911 64.83730
                                 McDonalds PlayPlace-Fairbanks, AK
## 18
      -147.69661 64.85938
                                 McDonalds PlayPlace-Fairbanks, AK
## 19
      -147.82012 64.84873
                                 McDonalds PlayPlace-Fairbanks, AK
## 20
      -151.52306 59.64270
                                                McDonalds-Homer, AK
## 21
      -151.23591 60.55984
                                     McDonalds PlayPlace-Kenai, AK
## 22
      -147.35142 64.75807
                                McDonalds PlayPlace-North Pole, AK
## 23
      -149.12366 61.59902
                                               McDonalds-Palmer, AK
## 24
      -151.07100 60.48309
                                            McDonalds-Soldotna, AK
## 25
      -149.36409 61.56927
                                        McDonalds [WM]-Wasilla, AK
## 26
      -149.43090 61.58143
                                   McDonalds PlayPlace-Wasilla, AK
## 27
       -86.96323 33.61071
                                McDonalds PlayPlace-Adamsville, AL
## 28
       -86.80522 33.22832
                                           McDonalds-Alabaster, AL
## 29
       -86.81177 33.26258
                                 McDonalds PlayPlace-Alabaster, AL
                               McDonalds PlayPlace-Albertville, AL
## 30
        -86.20708 34.27670
       -85.95846 32.92119 McDonalds PlayPlace-Alexander City, AL
## 31
## 32
        -86.39416 34.11883
                                              McDonalds-Altoona, AL
       -86.51839 31.27594
## 33
                                           McDonalds-Andalusia, AL
## 34
        -85.82663 33.66911
                                  McDonalds PlayPlace-Anniston, AL
## 35
        -85.81804 33.71946
                                  McDonalds PlayPlace-Anniston, AL
## 36
        -85.78884 33.62910
                                  McDonalds PlayPlace-Anniston, AL
                                      McDonalds PlayPlace-Arab, AL
## 37
        -86.50283 34.32584
## 38
        -86.84025 34.99181
                                   McDonalds PlayPlace-Ardmore, AL
## 39
        -85.82625 33.27559
                                   McDonalds PlayPlace-Ashland, AL
## 40
        -86.95088 34.80485
                                               McDonalds-Athens, AL
## 41
        -86.93826 34.78282
                                    McDonalds PlayPlace-Athens, AL
                                    McDonalds PlayPlace-Atmore, AL
## 42
        -87.49385 31.00651
## 43
        -86.07735 34.01812
                                   McDonalds PlayPlace-Attalla, AL
## 44
        -85.48354 32.60663
                                               McDonalds-Auburn, AL
                                    McDonalds PlayPlace-Auburn, AL
## 45
        -85.50520 32.56097
## 46
        -85.44573 32.62495
                                    McDonalds PlayPlace-Auburn, AL
## 47
        -87.78384 30.87913
                                         McDonalds-Bay Minette, AL
## 48
        -86.92224 33.33711
                                             McDonalds-Bessemer, AL
## 49
        -86.99860 33.36264
                                  McDonalds PlayPlace-Bessemer, AL
## 50
        -86.96937 33.39583
                                  McDonalds PlayPlace-Bessemer, AL
## 51
        -86.60400 33.62097
                                     McDonalds [WM]-Birmingham, AL
## 52
        -86.68185 33.41874
                                     McDonalds [WM]-Birmingham, AL
```

```
## 53
        -86.69884 33.58860
                                     McDonalds [WM]-Birmingham, AL
## 54
        -86.84708 33.50003
                                           McDonalds-Birmingham, AL
## 55
        -86.83970 33.48048
                                           McDonalds-Birmingham, AL
## 56
        -86.82769 33.54057
                                           McDonalds-Birmingham, AL
## 57
        -86.81908 33.55394
                                           McDonalds-Birmingham, AL
                                           McDonalds-Birmingham, AL
## 58
        -86.80779 33.50465
## 59
        -86.80019 33.53363
                                           McDonalds-Birmingham, AL
## 60
        -86.79087 33.49071
                                           McDonalds-Birmingham, AL
## 61
        -86.78817 33.50977
                                           McDonalds-Birmingham, AL
## 62
        -86.74863 33.54354
                                           McDonalds-Birmingham, AL
## 63
        -86.68365 33.63668
                                           McDonalds-Birmingham, AL
## 64
        -86.89285 33.56157
                                McDonalds PlayPlace-Birmingham, AL
## 65
        -86.87868 33.49530
                                McDonalds PlayPlace-Birmingham, AL
## 66
        -86.73994 33.38369
                                McDonalds PlayPlace-Birmingham, AL
## 67
        -86.72150 33.52553
                                McDonalds PlayPlace-Birmingham, AL
## 68
        -86.81150 33.52029
                                McDonalds PlayPlace-Birmingham, AL
                                McDonalds PlayPlace-Birmingham, AL
## 69
        -86.69656 33.58819
## 70
        -86.15069 34.19869
                                       McDonalds PlayPlace-Boaz, AL
## 71
        -87.07977 31.09949
                                   McDonalds PlayPlace-Brewton, AL
## 72
        -86.95276 33.42752
                                             McDonalds-Brighton, AL
## 73
        -86.74985 33.14685
                                    McDonalds PlayPlace-Calera, AL
## 74
        -85.66817 34.16015
                                    McDonalds PlayPlace-Centre, AL
## 75
        -87.14207 32.94485
                               McDonalds PlayPlace-Centreville, AL
## 76
        -86.63385 33.34814
                                   McDonalds PlayPlace-Chelsea, AL
## 77
        -86.35069 33.26488
                              McDonalds PlayPlace-Childersburg, AL
## 78
        -86.60887 32.81881
                                              McDonalds-Clanton, AL
## 79
        -86.57607 32.80110
                                   McDonalds PlayPlace-Clanton, AL
        -86.61589 33.17985
                                McDonalds PlayPlace-Columbiana, AL
## 80
## 81
        -87.44804 33.17606
                                McDonalds PlayPlace-Cottondale, AL
## 82
        -86.87543 34.20702
                                              McDonalds-Cullman, AL
                                              McDonalds-Cullman, AL
## 83
        -86.83668 34.16290
## 84
        -85.73031 32.82105
                                 McDonalds PlayPlace-Dadeville, AL
## 85
        -85.71279 31.30934
                                            McDonalds-Daleville, AL
        -87.91231 30.64960
                                               McDonalds-Daphne, AL
## 86
## 87
        -87.90151 30.60390
                                               McDonalds-Daphne, AL
        -87.01302 34.57255
                                              McDonalds-Decatur, AL
## 88
## 89
        -86.98017 34.58920
                                              McDonalds-Decatur, AL
        -86.90870 34.53590
                                   McDonalds PlayPlace-Decatur, AL
## 90
## 91
        -87.83765 32.50487
                                 McDonalds PlayPlace-Demopolis, AL
## 92
        -86.88397 34.04157
                                           McDonalds-Dodge City, AL
## 93
        -87.06599 33.75933
                                      McDonalds PlayPlace-Dora, AL
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        -85.40020 31.22511
                                               McDonalds-Dothan, AL
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        -85.39758 31.18968
                                               McDonalds-Dothan, AL
## 96
        -85.36078 31.21709
                                               McDonalds-Dothan, AL
        -85.42768 31.24592
## 97
                                    McDonalds PlayPlace-Dothan, AL
        -85.38914 31.25415
                                    McDonalds PlayPlace-Dothan, AL
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        -86.90779 33.49959
                                    McDonalds PlayPlace-Ensley, AL
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## 100
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                                     McDonalds [WM]-Enterprise, AL
##
                                                                address
## 1
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## 2
                         3101 A St [WM], Anchorage, AK, (907) 561-5137
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                         701 E 36th Ave, Anchorage, AK, (907) 563-0658
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```

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                        1320 Huffman Rd, Anchorage, AK, (907) 345-5932
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                         5716 Debarr Rd, Anchorage, AK, (907) 333-0413
                         255 Muldoon Rd, Anchorage, AK, (907) 337-0810
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## 12
                    3828 W Dimond Blvd, Anchorage, AK, (907) 248-0597
## 13
                        4350 Spenard Rd, Anchorage, AK, (907) 243-5122
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                    9100 Lake Otis Pky, Anchorage, AK, (907) 349-0285
## 15
                        3035 Muldoon Rd, Anchorage, AK, (907) 338-7377
                 11808 Old Glenn Hwy, Eagle River, AK, (907) 694-4500
## 16
## 17
                       1930 Airport Way, Fairbanks, AK, (907) 452-4600
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                449 Harold Bentley Ave, Fairbanks, AK, (907) 451-0770
                          3905 Geist Rd, Fairbanks, AK, (907) 474-2010
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## 21
                       10447 Kenai Spur Hwy, Kenai, AK, (907) 283-4008
## 22
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## 23
                            600 W Daron Dr, Palmer, AK, (907) 746-0335
## 24
                      44420 Sterling Hwy, Soldotna, AK, (907) 262-1074
             1350 S Seward Meridian [WM], Wasilla, AK, (907) 373-2523
## 25
                          801 E Parks Hwy, Wasilla, AK, (907) 376-4433
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## 27
          5721 Veterans Memorial Pkwy, Adamsville, AL, (205) 674-7288
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## 28
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                          1499 1st St N, Alabaster, AL, (205) 664-3761
## 30
                      7375 Us Hwy 431, Albertville, AL, (256) 878-6755
## 31
                 4094 Highway 280, Alexander City, AL, (256) 329-1283
## 32
                         87134 Us Hwy 278, Altoona, AL, (205) 466-5211
## 33
                              315 W Byp, Andalusia, AL, (334) 222-7875
                       1901 Quintard Ave, Anniston, AL, (256) 236-5224
## 34
## 35
                     5550 Mcclellan Blvd, Anniston, AL, (256) 820-0038
## 36
                3424 Greenbrier Dear Dr, Anniston, AL, (256) 832-4543
## 37
                         700 N Brandlee Pkwy, Arab, AL, (256) 586-8792
## 38
                            26862 Main St, Ardmore, AL, (256) 423-3663
                              83690 Hwy 9, Ashland, AL, (256) 354-2339
## 39
## 40
                               103 Us 31 N, Athens, AL, (256) 233-1275
                              1529 Us 72 E, Athens, AL, (256) 232-1927
## 41
## 42
                            1414 S Main St, Atmore, AL, (251) 368-2267
                        610 Cleveland Ave, Attalla, AL, (256) 538-1107
## 43
                    224 West Magnolia Ave, Auburn, AL, (334) 821-7185
## 44
## 45
                           2372 College St, Auburn, AL, (334) 502-8900
## 46
                          1634 Opelika Hwy, Auburn, AL, (334) 821-5303
## 47
                      98 McMeans Ave, Bay Minette, AL, (251) 937-2611
## 48
                        1195 Greenmor Dr, Bessemer, AL, (205) 425-6200
## 49
                          765 Academy Dr, Bessemer, AL, (205) 425-4727
## 50
                           911 9th Ave N, Bessemer, AL, (205) 428-9768
        5919 Trussville Crossing [WM], Birmingham, AL, (205) 661-0225
## 51
                       Hwy US 280 [WM], Birmingham, AL, (205) 980-4948
## 52
                  9248 Parkway E [WM], Birmingham, AL, (205) 833-9665
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                       732 Lomb Ave Sw, Birmingham, AL, (205) 787-6245
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                      801 Dennison Ave, Birmingham, AL, (205) 323-5387
                     1700 Finley Blvd, Birmingham, AL, (205) 254-3646
## 56
## 57
                        3220 26th St N, Birmingham, AL, (205) 324-8945
## 58
                        1501 5th Ave S, Birmingham, AL, (205) 933-1650
## 59
                       3013 12th Ave N, Birmingham, AL, (205) 324-5005
```

```
## 60
                  2001 Montgomery Hwy, Birmingham, AL, (205) 930-9777
## 61
                          2733 8th Ave, Birmingham, AL, (205) 324-5892
## 62
                        5904 1st Ave N, Birmingham, AL, (205) 592-2671
                 1907 Center Point Rd, Birmingham, AL, (205) 854-4362
## 63
                 1309 Forestdale Blvd, Birmingham, AL, (205) 798-2896
## 64
                    2201 Bessemer Hwy, Birmingham, AL, (205) 780-5841
## 65
## 66
                   2640 Valleydale Rd, Birmingham, AL, (205) 408-7448
## 67
                    1569 Montclair Rd, Birmingham, AL, (205) 956-9666
## 68
                        4625 Hwy 280 S, Birmingham, AL, (205) 991-3086
## 69
                        200 Gadsden Rd, Birmingham, AL, (205) 833-5149
                            861 Us Hwy 431 S, Boaz, AL, (256) 593-1015
## 70
## 71
                           464 South Blvd, Brewton, AL, (251) 867-4540
## 72
                         3633 Jaybird Rd, Brighton, AL, (205) 428-3837
## 73
                        706 Supercenter Dr, Calera, AL, (205) 668-7588
## 74
                        650 Cedar Bluff Rd, Centre, AL, (256) 927-4200
## 75
                        187 Walnut St, Centreville, AL, (205) 926-6186
## 76
                        16758 Us Hwy 280, Chelsea, AL, (205) 678-0505
## 77
                   33785 Us Hwy 280, Childersburg, AL, (256) 378-5977
## 78
                            1415 7th St S, Clanton, AL, (205) 280-0159
## 79
                            2250 7th St S, Clanton, AL, (205) 755-8411
                      301 W College St, Columbiana, AL, (205) 669-7710
## 80
## 81
                   6501 Interstate Ln, Cottondale, AL, (205) 507-0700
## 82
                      6065 Al Highway 157, Cullman, AL, (256) 734-4258
## 83
                          1425 2nd Ave Sw, Cullman, AL, (256) 734-4073
## 84
                      17956 Highway 280, Dadeville, AL, (256) 825-8744
## 85
                   575 N Daleville Ave, Daleville, AL, (334) 598-6072
## 86
                               29138 Us 98, Daphne, AL, (251) 621-3596
                        29919 Woodrow Lane, Daphne, AL, (251) 626-9909
## 87
                     2225 Danville Rd Sw, Decatur, AL, (256) 350-7083
## 88
## 89
                          1208 6th Ave Se, Decatur, AL, (256) 353-8911
               3342 Point Mallard Pky Se, Decatur, AL, (256) 584-6886
## 90
## 91
                         1111 Walnut St, Demopolis, AL, (334) 289-3069
## 92
                          231 Hwy 69 S, Dodge City, AL, (256) 287-9543
## 93
                                 2445 Hwy 78, Dora, AL, (205) 648-3673
## 94
                             619 W Main St, Dothan, AL, (334) 793-1625
                       2101 Ross Clark Cir, Dothan, AL, (334) 794-0221
## 95
## 96
                       1081 Ross Clark Cir, Dothan, AL, (334) 677-0779
                       3520 Ross Clark Cir, Dothan, AL, (334) 792-0313
## 97
## 98
                            2251 Reeves St, Dothan, AL, (334) 702-8338
## 99
                             3520 Avenue E, Ensley, AL, (205) 780-4146
## 100
          600 Boll Weevil Circle [WM], Enterprise, AL, (334) 393-6679
```

```
## Warning in plot.xy(xy, type, ...): "data" is not a graphical parameter

## Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
## a graphical parameter

## Warning in axis(side = side, at = at, labels = labels, ...): "data" is not
```

Warning in plot.window(...): "data" is not a graphical parameter

a graphical parameter

Warning in box(...): "data" is not a graphical parameter

Warning in title(...): "data" is not a graphical parameter

