#Top 100 VA beers data scrape

**# Load required libraries**

library(rvest)

library(magrittr

**#Set URL**

url <- <https://www.beeradvocate.com/lists/state/va/>

**#Scrape data**

Rank <- url %>%

read\_html() %>%

html\_nodes('.hr\_bottom\_light:nth-child(3) b') %>%

html\_text() %>%

as.numeric()

Ratings <- url %>%

read\_html() %>%

html\_nodes('.hr\_bottom\_light:nth-child(4) b') %>%

html\_text() %>%

as.numeric()

Beer <- url %>%

read\_html() %>%

html\_nodes('.hr\_bottom\_light a b') %>%

html\_text() %>%

as.factor()

Brewery <- url %>%

read\_html() %>%

html\_nodes('#extendedInfo a:nth-child(1)') %>%

html\_text() %>%

as.factor()

Style <- url %>%

read\_html() %>%

html\_nodes('#extendedInfo br+ a') %>%

html\_text() %>%

as.factor()

ABV <- url %>%

read\_html() %>%

html\_nodes('#extendedInfo') %>%

html\_text() %>%

gsub(".\*/","",.) %>%

gsub("%.\*","",.) %>%

as.numeric()

**#Turn scraped info into data frame**

Breweries.df <- data.frame(Beer, Style, ABV, Rank, Ratings, Brewery)

**#Merge address spreadsheet with Breweries.df**

Breweries <- merge(Breweries.df, Brewery\_address\_and\_geocoords, by = "Brewery")

**#Map Breweries**

library(ggplot2)

library(ggmap)

library(qmap)

map <- qmap('Virginia', zoom = 7, maptype = 'hybrid')

map + geom\_point(data = Breweries, aes(x=lon, y=lat), size = 2, alpha = 0.5, col = 'red')