GIS III: Lab 1

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Basics of R

My version of R is 3.6.3

```
version
##
## platform
                  x86_64-w64-mingw32
                  x86_64
## arch
## os
                  mingw32
## system
                  x86_64, mingw32
## status
## major
                  6.3
## minor
## year
                  2020
## month
                  02
## day
                  29
                  77875
## svn rev
## language
## version.string R version 3.6.3 (2020-02-29)
## nickname
                  Holding the Windsock
Commenting:
#This is a comment made by Rachel
Installing and loading packages:
```

```
#Note: I have run this chunk quietly to avoid printing warnings in my final PDF.
#install.packages(" ")
library(sf)
library(spData)
library(spDataLarge)
```

Example Code

Change Working Directory:

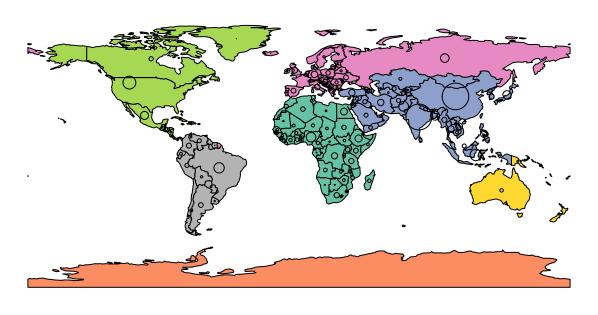
```
#setwd('C:/Users/rache/Documents/GitHub/GIS_3')
getwd()
```

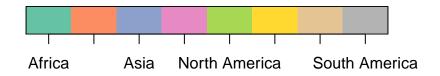
[1] "C:/Users/rache/Documents/GitHub/GIS_3"

World Population:

```
plot(world['continent'], reset=FALSE)
cex=sqrt(world$pop)/10000
world_cents = st_centroid(world, of_largest=TRUE)
plot(st_geometry(world_cents), add=TRUE, cex=cex)
```

continent





Nigeria in Context:

Nigeria in Context

