

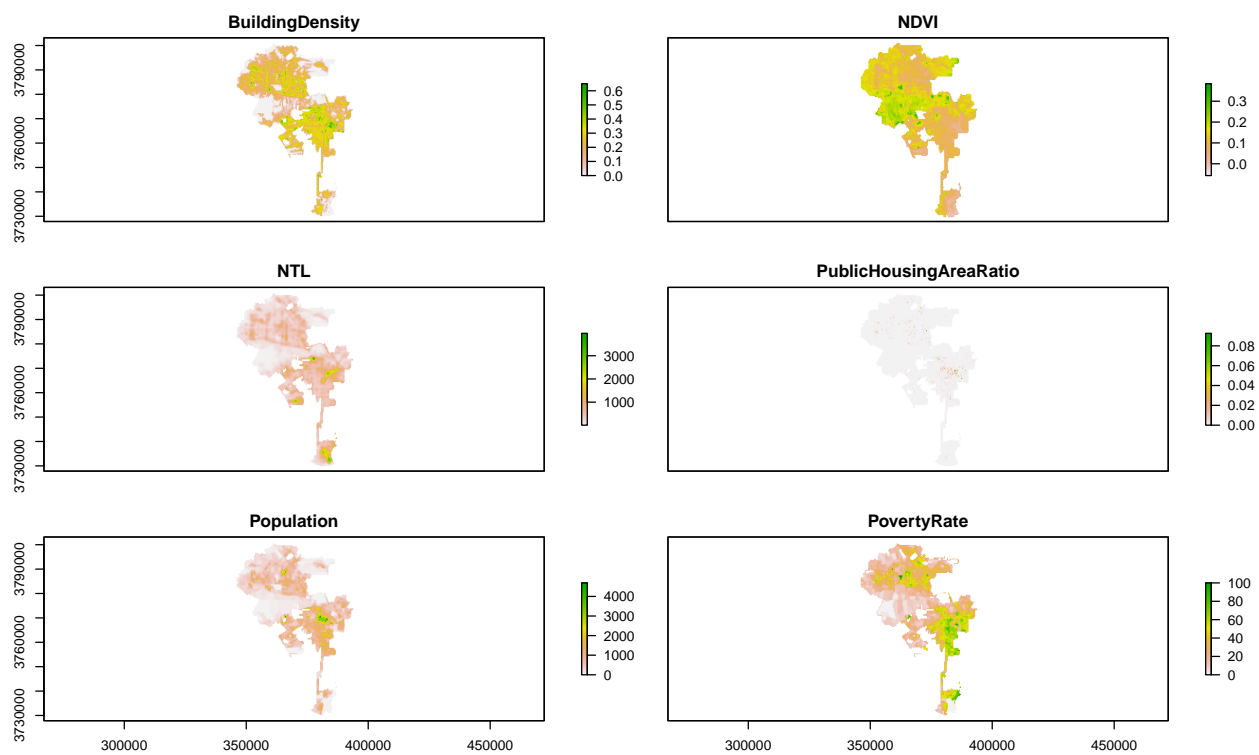
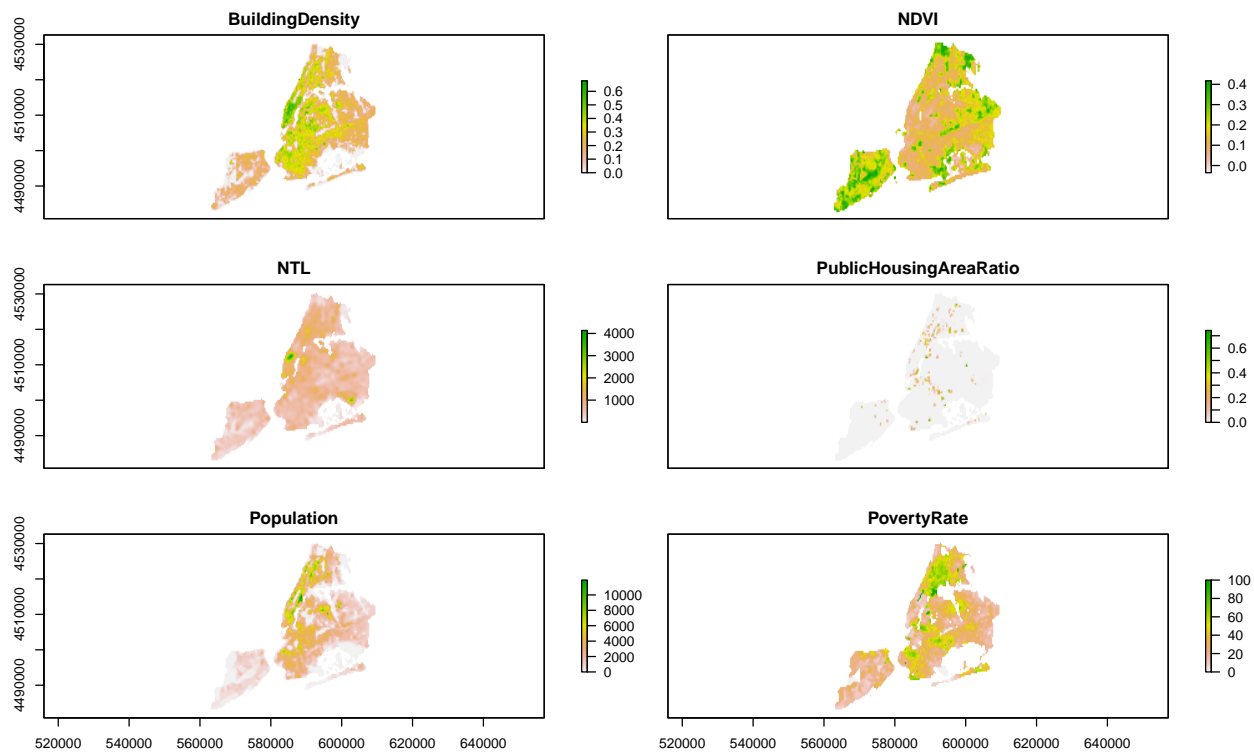
Import Libraries & Data

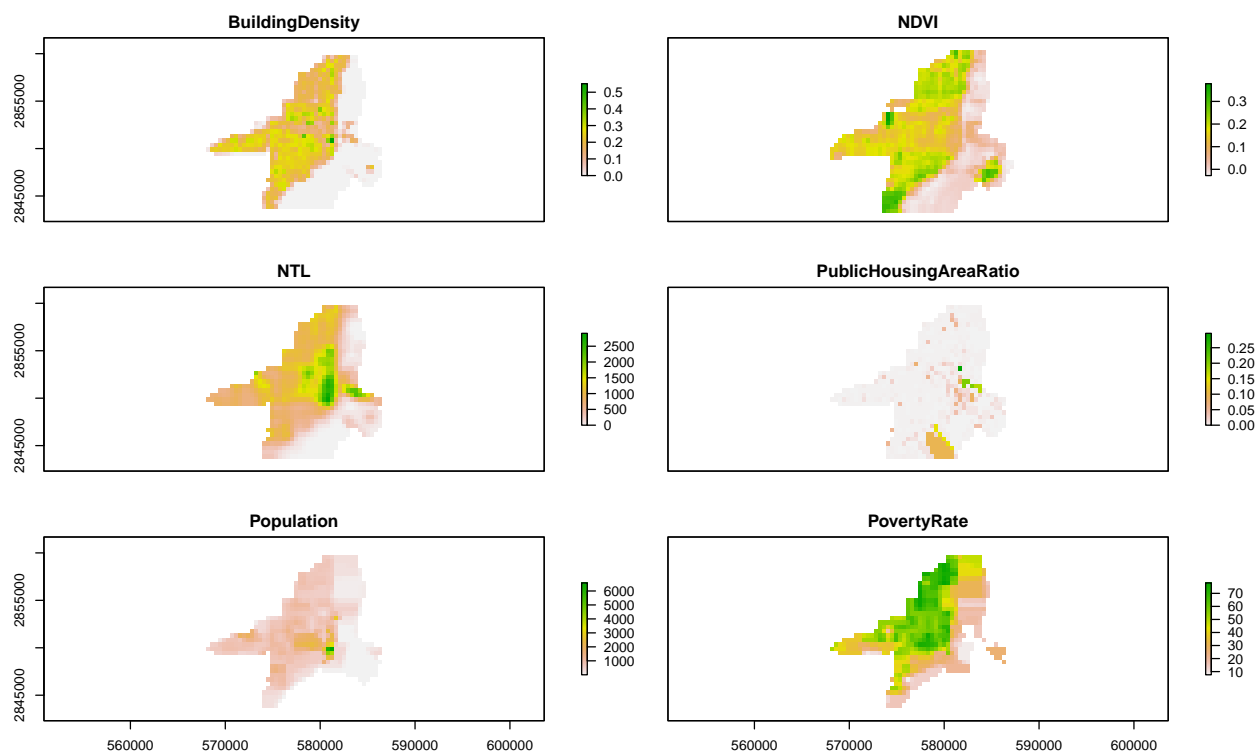
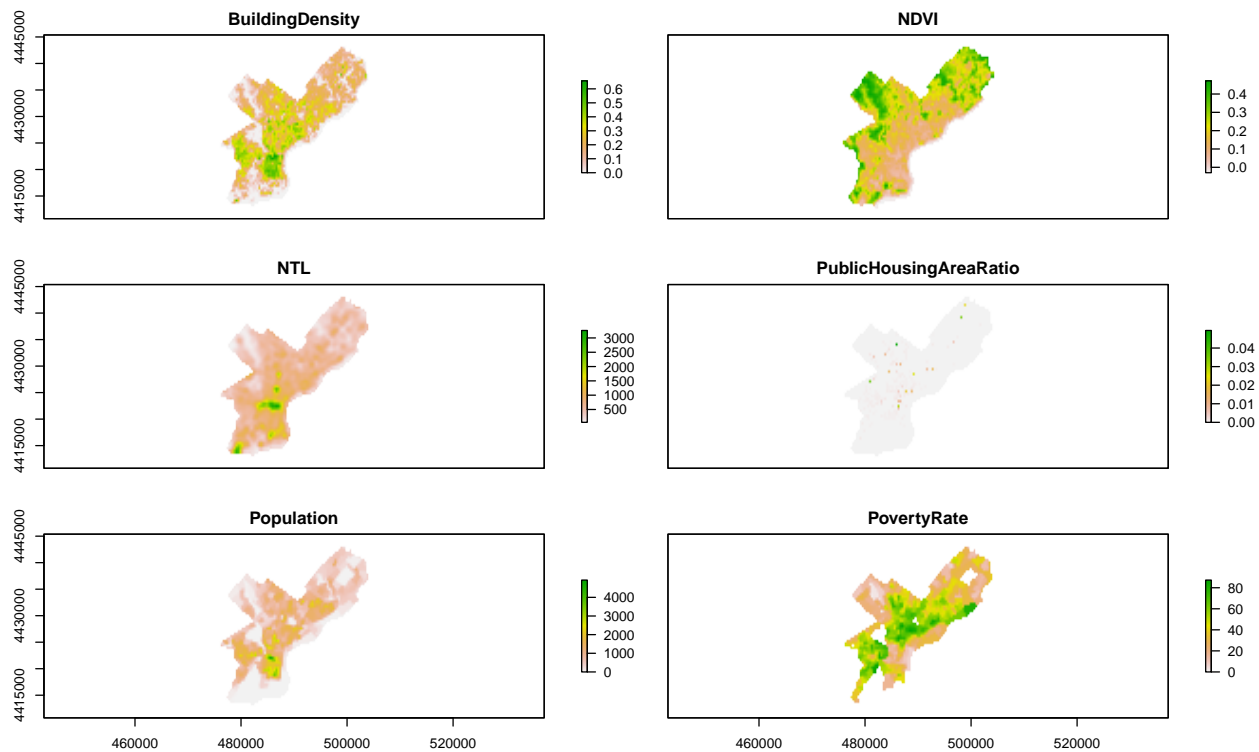
```
library(raster)
library(tidyr)
library(readr)
library(tinytex)

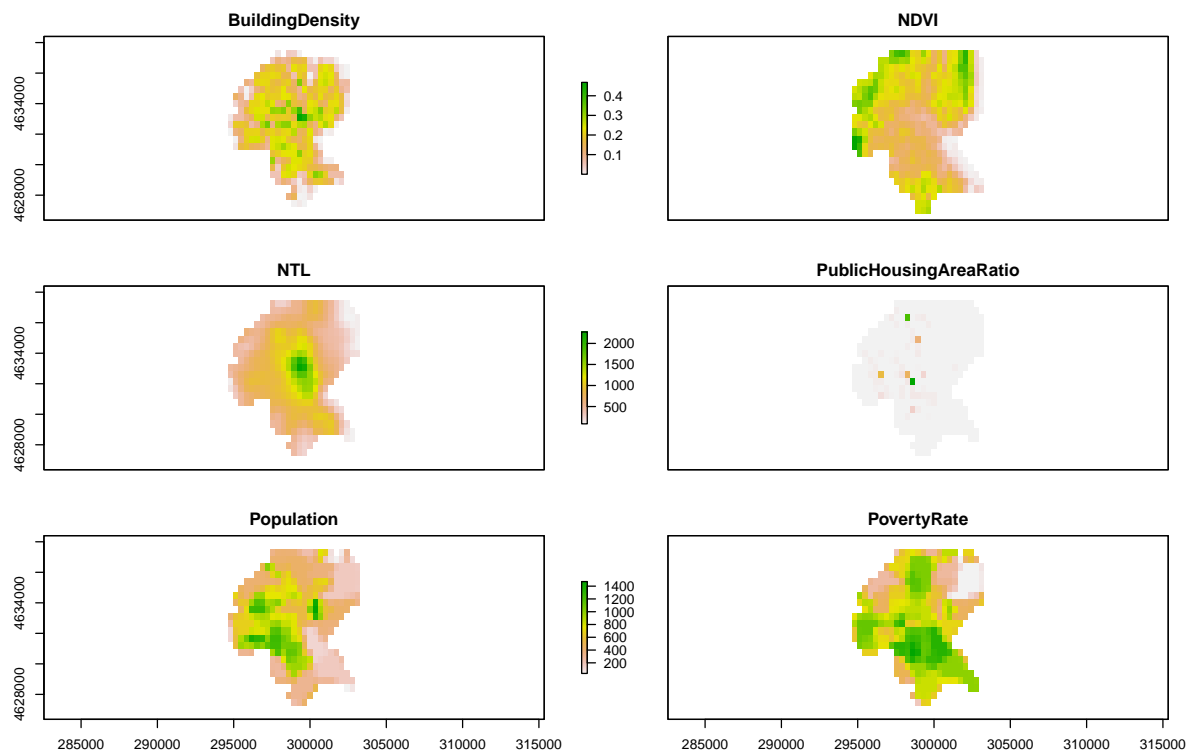
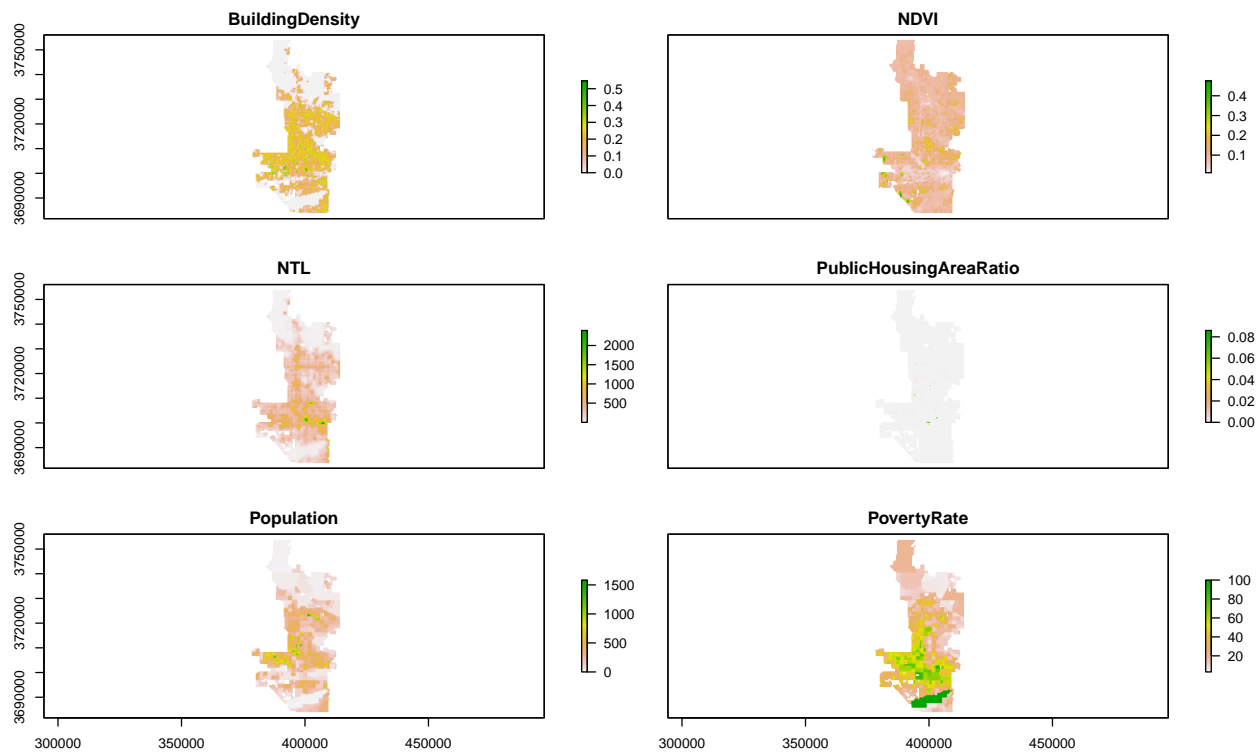
readBrick <- function(x){
  list.files(path = "../data",
             pattern = x,
             full.names = T) %>%
    raster::stack(.) %>%
    raster::brick(.)
}

nyc <- readBrick("nyc*")
la <- readBrick("la")
philly <- readBrick("philly*")
miami <- readBrick("miami*")
phoenix <- readBrick("phoenix*")
providence <- readBrick("providence*")

l <- list(nyc, la, philly, miami, phoenix, providence)
l %>%
  lapply(.,
        function(x){
          names(x) <- c("BuildingDensity", "NDVI", "NTL", "PublicHousingAreaRatio", "Population", "Poverty")
          plot(x,
               nr = 3)
        })
```







```
## [[1]]
## NULL
##
## [[2]]
```

```
## NULL
##
## [[3]]
## NULL
##
## [[4]]
## NULL
##
## [[5]]
## NULL
##
## [[6]]
## NULL
```

```
cities <- list("nyc.rds", "la.rds", "chicago.rds", "philly.rds", "miami.rds", "phoenix.rds", "providenc

for (i in 1:length(l)){
  saveRDS(l[i],
    paste0("../data/",
            cities[i]))
}
```