UI.R

library(shiny)

library(highcharter)

library(leaflet)

require(ggthemes)

require(tidyr)

require(dplyr)

require(ggplot2)

d <- read.csv(file = "cities\_r2.csv")

df <-separate(data = d, col = location, into = c("lat","lng"),sep = ",")

df.city <- df

df.state <- df.city %>%

group\_by(state\_name) %>%

summarize(Total = n(),

population\_total = sum(population\_total),

population\_male = sum(population\_male),

population\_female = sum(population\_female),

Male\_Percent = population\_male/population\_total \* 100,

Female\_Percent = population\_female/population\_total \* 100,

total\_graduates = sum(total\_graduates),

male\_graduates = sum(male\_graduates),

female\_graduates = sum(female\_graduates),

Grads\_percent = total\_graduates/population\_total \* 100,

Male\_Grads\_Percent = male\_graduates/population\_male \* 100,

Female\_Grads\_Percent = female\_graduates/population\_female \* 100,

X0.6\_population\_total = sum(X0.6\_population\_total),

X0.6\_population\_male = sum(X0.6\_population\_male),

X0.6\_population\_female = sum(X0.6\_population\_female),

literates\_total = sum(literates\_total),

literates\_male = sum(literates\_male),

literates\_female = sum(literates\_female),

sex\_ratio = mean(sex\_ratio),

child\_sex\_ratio = mean(child\_sex\_ratio),

lat = mean(as.numeric(lat)),

lng = mean(as.numeric(lng)),

effective\_literacy\_rate\_total = mean(effective\_literacy\_rate\_total),

effective\_literacy\_rate\_male = mean(effective\_literacy\_rate\_male),

effective\_literacy\_rate\_female = mean(effective\_literacy\_rate\_female)

)

df.city <- mutate(df.city,

Male\_Percent = population\_male/population\_total \* 100,

Female\_Percent = population\_female/population\_total \* 100,

Grads\_percent = total\_graduates/population\_total \* 100,

Male\_Grads\_Percent = male\_graduates/population\_male \* 100,

Female\_Grads\_Percent = female\_graduates/population\_female \* 100

)

list\_select <- c("Population" = 1, "Male Population" = 2, "Female Population" = 3,

"Male Percentage" = 4, "Female Percentage" = 5, "Graduates" = 6,

"Male Graduates" = 7, "Female Graduates" = 8, "Graduates Percentage" = 9,

"Male Graduates Percentage" = 10, "Female Graduates Percentage" = 11,

"Total Literates" = 12, "Literates\_Male" =13, "Literates\_Female" = 14,

"Sex\_Ratio" = 15, "Child\_Sex\_Ratio" = 16, "Effective\_Literacy\_Rate\_total" = 17,

"Effective\_Literacy\_Rate\_Male" = 18, "Effective\_Literacy\_Rate\_Female" = 19)

var <- c(

"Total Population" = "tp",

"Male Population" = "mp",

"Female Populaion" = "fp",

"Total Population Age(0-6)"= "tc",

"Male Population Age(0-6)" = "mc",

"Female Population Age(0-6)"="fc",

"Total Graduates" = "TG",

"Male Graduates" = "MG",

"Female Graduates" = "FG"

)

fluidPage(theme ='styles.css',

navbarPage(title = "Analysis of Indian Population",

tabPanel(title = "Plots",

sidebarLayout(sidebarPanel( selectInput(inputId = "select", label = h3("Select Statistic"),

choices = list\_select,

selected = 1),

radioButtons(inputId = "radio", label = h3("Select"),

choices = list("State" = 1, "City" = 2),

selected = 1),

numericInput("num", label = h3("Top"), value = 20),

actionButton("goButton","Plot")),

mainPanel(highchartOutput(outputId = "plot1",height = 700)

))),

tabPanel(title = "TreeMap",

sidebarLayout(sidebarPanel( selectInput(inputId = "select2", label = h3("Select Statistic"),

choices = list\_select,

selected = 1),

radioButtons(inputId = "radio2", label = h3("Select"),

choices = list("State" = 1, "City" = 2),

selected = 1),

numericInput("num2", label = h3("Top"), value = 20),

actionButton("goButton2","Plot")),

mainPanel(highchartOutput(outputId = "treeMap",height = 700)

))),

tabPanel(title = "Data Grid",tabsetPanel(tabPanel(title = "States",

sidebarLayout(

sidebarPanel( checkboxGroupInput(inputId ='show\_vars1', 'Columns in dataset to show:',

names(df.state), selected = names(df.city))),

mainPanel(dataTableOutput('mytable1'))

)

),tabPanel(title = "Cities"),

sidebarLayout(

sidebarPanel( checkboxGroupInput(inputId ='show\_vars2', 'Columns in dataset to show:',

names(df.city), selected = names(df.city))),

mainPanel(dataTableOutput('mytable2'))

))

)

)

)

SERVER.R

library(shiny)

library(highcharter)

library(leaflet)

require(ggthemes)

require(tidyr)

require(dplyr)

require(ggplot2)

d<- read.csv(file = "cities\_r2.csv")

dff <-separate(data = d, col = location, into = c("lat","lng"),sep = ",")

dff$name\_of\_city <- trimws(dff$name\_of\_city)

df.city <- dff

df.state <- df.city %>%

group\_by(state\_name) %>%

summarize(Total = n(),

population\_total = sum(population\_total),

population\_male = sum(population\_male),

population\_female = sum(population\_female),

Male\_Percent = population\_male/population\_total \* 100,

Female\_Percent = population\_female/population\_total \* 100,

total\_graduates = sum(total\_graduates),

male\_graduates = sum(male\_graduates),

female\_graduates = sum(female\_graduates),

Grads\_percent = total\_graduates/population\_total \* 100,

Male\_Grads\_Percent = male\_graduates/population\_male \* 100,

Female\_Grads\_Percent = female\_graduates/population\_female \* 100,

X0.6\_population\_total = sum(X0.6\_population\_total),

X0.6\_population\_male = sum(X0.6\_population\_male),

X0.6\_population\_female = sum(X0.6\_population\_female),

literates\_total = sum(literates\_total),

literates\_male = sum(literates\_male),

literates\_female = sum(literates\_female),

sex\_ratio = mean(sex\_ratio),

child\_sex\_ratio = mean(child\_sex\_ratio),

lat = mean(as.numeric(lat)),

lng = mean(as.numeric(lng)),

effective\_literacy\_rate\_total = mean(effective\_literacy\_rate\_total),

effective\_literacy\_rate\_male = mean(effective\_literacy\_rate\_male),

effective\_literacy\_rate\_female = mean(effective\_literacy\_rate\_female)

)

df.city <- mutate(df.city,

Male\_Percent = population\_male/population\_total \* 100,

Female\_Percent = population\_female/population\_total \* 100,

Grads\_percent = total\_graduates/population\_total \* 100,

Male\_Grads\_Percent = male\_graduates/population\_male \* 100,

Female\_Grads\_Percent = female\_graduates/population\_female \* 100

)

function(input, output, session) {

#data <- reactiveValues({})

output$value <- renderPrint({ input$select })

output$plot1 <- renderHighchart({

input$goButton

n<-isolate(input$num)

if(as.numeric(input$radio) == 1){

if(input$select == 1){

da <- df.state %>%

arrange(desc(population\_total))

dp <- da[1:n,]

highchart() %>%hc\_xAxis(categories = dp$state\_name)%>%

hc\_add\_series(dp, type = "column",

hcaes(x = state\_name, y = population\_total, color = state\_name))%>%

hc\_title(text = "States by Population")%>%

hc\_yAxis(title = list(text = "Population"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==2){

da <- df.state %>%

arrange(desc(population\_male))

dm <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dm$state\_name)%>%

hc\_add\_series(dm, type = "column",

hcaes(x = state\_name, y = population\_male, color = state\_name))%>%

hc\_title(text = "States by Male Population")%>%

hc\_yAxis(title = list(text = "Male Population"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==3){

da <- df.state %>%

arrange(desc(population\_female))

de <- da[1:n,]

highchart() %>% hc\_xAxis(categories = de$state\_name)%>%

hc\_add\_series(de, type = "column",

hcaes(x = state\_name, y = population\_female, color = state\_name))%>%

hc\_title(text = "States by Female Population")%>%

hc\_yAxis(title = list(text = "Female Population"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==4){

da <- df.state %>%

arrange(desc(Male\_Percent))

dmp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dmp$state\_name)%>%

hc\_add\_series(dmp, type = "column",

hcaes(x = state\_name, y = Male\_Percent, color = state\_name))%>%

hc\_title(text = "States by Males Percentage")%>%

hc\_yAxis(title = list(text = "Males Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==5){

da <- df.state %>%

arrange(desc(Female\_Percent))

dfp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dfp$state\_name)%>%

hc\_add\_series(dfp, type = "column",

hcaes(x = state\_name, y = Female\_Percent, color = state\_name))%>%

hc\_title(text = "States by Females Percentage")%>%

hc\_yAxis(title = list(text = "Females Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==6){

da <- df.state %>%

arrange(desc(total\_graduates))

dg <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dg$state\_name)%>%

hc\_add\_series(dg, type = "column",

hcaes(x = state\_name, y = total\_graduates, color = state\_name))%>%

hc\_title(text = "States by Number Of Graduates")%>%

hc\_yAxis(title = list(text = "Total Graduates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==7){

da <- df.state %>%

arrange(desc(male\_graduates))

dmg <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dmg$state\_name)%>%

hc\_add\_series(dmg, type = "column",

hcaes(x = state\_name, y = male\_graduates, color = state\_name))%>%

hc\_title(text = "States by Male Graduates")%>%

hc\_yAxis(title = list(text = "Male Graduates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==8){

da <- df.state %>%

arrange(desc(female\_graduates))

dfg <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dfg$state\_name)%>%

hc\_add\_series(dfg, type = "column",

hcaes(x = state\_name, y = female\_graduates, color = state\_name))%>%

hc\_title(text = "States by Female Population")%>%

hc\_yAxis(title = list(text = "Female Graduates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==9){

da <- df.state %>%

arrange(desc(Grads\_percent))

dgp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dgp$state\_name)%>%

hc\_add\_series(dgp, type = "column",

hcaes(x = state\_name, y = Grads\_percent, color = state\_name))%>%

hc\_title(text = "States by Graduates Percentage")%>%

hc\_yAxis(title = list(text = "Graduates Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==10){

da <- df.state %>%

arrange(desc(Male\_Grads\_Percent))

dmgp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dmgp$state\_name)%>%

hc\_add\_series(dmgp, type = "column",

hcaes(x = state\_name, y = Male\_Grads\_Percent, color = state\_name))%>%

hc\_title(text = "States by Male Graduates Percentage")%>%

hc\_yAxis(title = list(text = "Males Graduates Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==11){

da <- df.state %>%

arrange(desc(Female\_Grads\_Percent))

dfgp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dfgp$state\_name)%>%

hc\_add\_series(dfgp, type = "column",

hcaes(x = state\_name, y = Female\_Grads\_Percent, color = state\_name))%>%

hc\_title(text = "States by Female Graduates Percentage")%>%

hc\_yAxis(title = list(text = "Females Graduates Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==12){

da <- df.state %>%

arrange(desc(literates\_total))

dl <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dl$state\_name)%>%

hc\_add\_series(dl, type = "column",

hcaes(x = state\_name, y = literates\_total, color = state\_name))%>%

hc\_title(text = "States by Total Literates")%>%

hc\_yAxis(title = list(text = "Total Literates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==13){

da <- df.state %>%

arrange(desc(literates\_male))

dlm <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dlm$state\_name)%>%

hc\_add\_series(dlm, type = "column",

hcaes(x = state\_name, y = literates\_male, color = state\_name))%>%

hc\_title(text = "States by Male Literates")%>%

hc\_yAxis(title = list(text = "Male Literates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==14){

da <- df.state %>%

arrange(desc(literates\_female))

dlf <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dlf$state\_name)%>%

hc\_add\_series(dlf, type = "column",

hcaes(x = state\_name, y = literates\_female, color = state\_name))%>%

hc\_title(text = "States by Female Literates")%>%

hc\_yAxis(title = list(text = "Female Literates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==15){

da <- df.state %>%

arrange(desc(sex\_ratio))

ds <- da[1:n,]

highchart() %>% hc\_xAxis(categories = ds$state\_name)%>%

hc\_add\_series(ds, type = "column",

hcaes(x = state\_name, y = sex\_ratio, color = state\_name))%>%

hc\_title(text = "States by Sex Ratio")%>%

hc\_yAxis(title = list(text = "Sex\_Ratio"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==16){

da <- df.state %>%

arrange(desc(child\_sex\_ratio))

dcs <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dcs$state\_name)%>%

hc\_add\_series(dcs, type = "column",

hcaes(x = state\_name, y = child\_sex\_ratio, color = state\_name))%>%

hc\_title(text = "States by Child Sex Ratio")%>%

hc\_yAxis(title = list(text = "Child\_Sex\_Ratio"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==17){

da <- df.state %>%

arrange(desc(effective\_literacy\_rate\_total))

del <- da[1:n,]

highchart() %>% hc\_xAxis(categories = del$state\_name)%>%

hc\_add\_series(del, type = "column",

hcaes(x = state\_name, y = effective\_literacy\_rate\_total, color = state\_name))%>%

hc\_title(text = "States by Total Effective Literacy Rate")%>%

hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_total"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==18){

da <- df.state %>%

arrange(desc(effective\_literacy\_rate\_male))

delm <- da[1:n,]

highchart() %>% hc\_xAxis(categories = delm$state\_name)%>%

hc\_add\_series(delm, type = "column",

hcaes(x = state\_name, y = effective\_literacy\_rate\_male, color = state\_name))%>%

hc\_title(text = "States by Total Effective Male Literacy Rate")%>%

hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_Male"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else {

da <- df.state %>%

arrange(desc(effective\_literacy\_rate\_female))

delf <- da[1:n,]

highchart() %>% hc\_xAxis(categories = delf$state\_name)%>%

hc\_add\_series(delf, type = "column",

hcaes(x = state\_name, y = effective\_literacy\_rate\_female, color = state\_name))%>%

hc\_title(text = "States by Total Effective Female Literacy Rate")%>%

hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_Female"))%>%

hc\_add\_theme(hc\_theme\_google())

}

}else{

if(input$select == 1){

da <- df.city%>%

arrange(desc(population\_total))

dp <- da[1:n,]

highchart() %>%

hc\_xAxis(categories = dp$name\_of\_city)%>%

hc\_add\_series(dp, type = "column",

hcaes(x = name\_of\_city, y = population\_total, color = name\_of\_city))%>%

hc\_title(text = "Cities by Population")%>%

hc\_yAxis(title = list(text = "Population"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==2){

da <- df.city %>%

arrange(desc(population\_male))

dm <- da[1:n,]

highchart() %>%

hc\_xAxis(categories = dm$name\_of\_city)%>%

hc\_add\_series(dm, type = "column",

hcaes(x = name\_of\_city, y = population\_male, color = name\_of\_city))%>%

hc\_title(text = "Cities by Male Population")%>%

hc\_yAxis(title = list(text = "Male Population"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==3){

da <- df.city %>%

arrange(desc(population\_female))

de <- da[1:n,]

highchart() %>%

hc\_xAxis(categories = de$name\_of\_city)%>%

hc\_add\_series(de, type = "column",

hcaes(x = name\_of\_city, y = population\_female, color = name\_of\_city))%>%

hc\_title(text = "Citites by Female Population")%>%

hc\_yAxis(title = list(text = "Female Population"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==4){

da <- df.city %>%

arrange(desc(Male\_Percent))

dmp <- da[1:n,]

highchart() %>%

hc\_xAxis(categories = dmp$name\_of\_city)%>%

hc\_add\_series(dmp, type = "column",

hcaes(x = name\_of\_city, y = Male\_Percent, color = name\_of\_city))%>%

hc\_title(text = "Cities by Males Percentage")%>%

hc\_yAxis(title = list(text = "Males Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==5){

da <- df.city %>%

arrange(desc(Female\_Percent))

dfp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dfp$name\_of\_city)%>%

hc\_add\_series(dfp, type = "column",

hcaes(x = name\_of\_city, y = Female\_Percent, color = name\_of\_city))%>%

hc\_title(text = "Cities by Females Percentage")%>%

hc\_yAxis(title = list(text = "Females Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==6){

da <- df.city %>%

arrange(desc(total\_graduates))

dg <- da[1:n,]

highchart() %>%hc\_xAxis(categories = dg$name\_of\_city)%>%

hc\_add\_series(dg, type = "column",

hcaes(x = name\_of\_city, y = total\_graduates, color = name\_of\_city))%>%

hc\_title(text = "Cities by Number Of Graduates")%>%

hc\_yAxis(title = list(text = "Total Graduates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==7){

da <- df.city %>%

arrange(desc(male\_graduates))

dmg <- da[1:n,]

highchart() %>%hc\_xAxis(categories = dmg$name\_of\_city)%>%

hc\_add\_series(dmg, type = "column",

hcaes(x = name\_of\_city, y = male\_graduates, color = name\_of\_city))%>%

hc\_title(text = "Cities by Male Graduates")%>%

hc\_yAxis(title = list(text = "Male Graduates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==8){

da <- df.city %>%

arrange(desc(female\_graduates))

dfg <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dfg$name\_of\_city)%>%

hc\_add\_series(dfg, type = "column",

hcaes(x = name\_of\_city, y = female\_graduates, color = name\_of\_city))%>%

hc\_title(text = "Cities by Female Population")%>%

hc\_yAxis(title = list(text = "Female Graduates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==9){

da <- df.city %>%

arrange(desc(Grads\_percent))

dgp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dgp$name\_of\_city)%>%

hc\_add\_series(dgp, type = "column",

hcaes(x = name\_of\_city, y = Grads\_percent, color = name\_of\_city))%>%

hc\_title(text = "Cities by Graduates Percentage")%>%

hc\_yAxis(title = list(text = "Graduates Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==10){

da <- df.city %>%

arrange(desc(Male\_Grads\_Percent))

dmgp <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dmgp$name\_of\_city)%>%

hc\_add\_series(dmgp, type = "column",

hcaes(x = name\_of\_city, y = Male\_Grads\_Percent, color = name\_of\_city))%>%

hc\_title(text = "Cities by Male Graduates Percentage")%>%

hc\_yAxis(title = list(text = "Males Graduates Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==11){

da <- df.city %>%

arrange(desc(Female\_Grads\_Percent))

dfgp <- da[1:n,]

highchart() %>%hc\_xAxis(categories = dfgp$name\_of\_city)%>%

hc\_add\_series(dfgp, type = "column",

hcaes(x = name\_of\_city, y = Female\_Grads\_Percent, color = name\_of\_city))%>%

hc\_title(text = "Cities by Female Graduates Percentage")%>%

hc\_yAxis(title = list(text = "Females Graduates Percentage"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==12){

da <- df.city %>%

arrange(desc(literates\_total))

dl <- da[1:n,]

highchart() %>%hc\_xAxis(categories = dl$name\_of\_city)%>%

hc\_add\_series(dl, type = "column",

hcaes(x = name\_of\_city, y = literates\_total, color = name\_of\_city))%>%

hc\_title(text = "Cities by Total Literates")%>%

hc\_yAxis(title = list(text = "Total Literates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==13){

da <- df.city %>%

arrange(desc(literates\_male))

dlm <- da[1:n,]

highchart() %>%hc\_xAxis(categories = dlm$name\_of\_city)%>%

hc\_add\_series(dlm, type = "column",

hcaes(x = name\_of\_city, y = literates\_male, color = name\_of\_city))%>%

hc\_title(text = "Cities by Male Literates")%>%

hc\_yAxis(title = list(text = "Male Literates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==14){

da <- df.city %>%

arrange(desc(literates\_female))

dlf <- da[1:n,]

highchart() %>%hc\_xAxis(categories = dlf$name\_of\_city)%>%

hc\_add\_series(dlf, type = "column",

hcaes(x = name\_of\_city, y = literates\_female, color = name\_of\_city))%>%

hc\_title(text = "Cities by Female Literates")%>%

hc\_yAxis(title = list(text = "Female Literates"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==15){

da <- df.city %>%

arrange(desc(sex\_ratio))

ds <- da[1:n,]

highchart() %>%hc\_xAxis(categories = ds$name\_of\_city)%>%

hc\_add\_series(ds, type = "column",

hcaes(x = name\_of\_city, y = sex\_ratio, color = name\_of\_city))%>%

hc\_title(text = "Cities by Sex Ratio")%>%

hc\_yAxis(title = list(text = "Sex\_Ratio"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==16){

da <- df.city %>%

arrange(desc(child\_sex\_ratio))

dcs <- da[1:n,]

highchart() %>% hc\_xAxis(categories = dcs$name\_of\_city)%>%

hc\_add\_series(dcs, type = "column",

hcaes(x = name\_of\_city, y = child\_sex\_ratio, color = name\_of\_city))%>%

hc\_title(text = "Cities by Child Sex Ratio")%>%

hc\_yAxis(title = list(text = "Child\_Sex\_Ratio"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==17){

da <- df.city %>%

arrange(desc(effective\_literacy\_rate\_total))

del <- da[1:n,]

highchart() %>% hc\_xAxis(categories = del$name\_of\_city)%>%

hc\_add\_series(del, type = "column",

hcaes(x = name\_of\_city, y = effective\_literacy\_rate\_total, color = name\_of\_city))%>%

hc\_title(text = "Cities by Total Effective Literacy Rate")%>%

hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_total"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select ==18){

da <- df.city %>%

arrange(desc(effective\_literacy\_rate\_male))

delm <- da[1:n,]

highchart() %>% hc\_xAxis(categories = delm$name\_of\_city)%>%

hc\_add\_series(delm, type = "column",

hcaes(x = name\_of\_city, y = effective\_literacy\_rate\_male, color = name\_of\_city))%>%

hc\_title(text = "Cities by Total Effective Male Literacy Rate")%>%

hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_Male"))%>%

hc\_add\_theme(hc\_theme\_google())

}

else {

da <- df.city %>%

arrange(desc(effective\_literacy\_rate\_female))

delf <- da[1:n,]

highchart() %>%hc\_xAxis(categories = delf$name\_of\_city)%>%

hc\_add\_series(delf, type = "column",

hcaes(x = name\_of\_city, y = effective\_literacy\_rate\_female, color = name\_of\_city))%>%

hc\_title(text = "Cities by Total Effective Female Literacy Rate")%>%

hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_Female"))%>%

hc\_add\_theme(hc\_theme\_google())

}

}

})

output$treeMap <- renderHighchart({

input$goButton2

n<-isolate(input$num2)

if(as.numeric(input$radio2) == 1){

if(input$select2 == 1){

da <- df.state %>%

arrange(desc(population\_total))

dp <- da[1:n,]

hchart(dp, type = "treemap",

hcaes(x = state\_name, value = population\_total, color = population\_total)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Population") %>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==2){

da <- df.state %>%

arrange(desc(population\_male))

dm <- da[1:n,]

hchart(dm, type = "treemap",

hcaes(x = state\_name, value = population\_male, color = population\_male)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Male Population")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==3){

da <- df.state %>%

arrange(desc(population\_female))

de <- da[1:n,]

hchart(de, type = "treemap",

hcaes(x = state\_name, value = population\_female, color = population\_female)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Female Population")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==4){

da <- df.state %>%

arrange(desc(Male\_Percent))

dmp <- da[1:n,]

hchart(dmp, type = "treemap",

hcaes(x = state\_name, value = Male\_Percent, color = Male\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Males Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==5){

da <- df.state %>%

arrange(desc(Female\_Percent))

dfp <- da[1:n,]

hchart(dfp, type = "treemap",

hcaes(x = state\_name, value = Female\_Percent, color = Female\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Females Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==6){

da <- df.state %>%

arrange(desc(total\_graduates))

dg <- da[1:n,]

hchart(dg, type = "treemap",

hcaes(x = state\_name, value = total\_graduates, color = total\_graduates)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Number Of Graduates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==7){

da <- df.state %>%

arrange(desc(male\_graduates))

dmg <- da[1:n,]

hchart(dmg, type = "treemap",

hcaes(x = state\_name, value = male\_graduates, color = male\_graduates)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Number Of Male Graduates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==8){

da <- df.state %>%

arrange(desc(female\_graduates))

dfg <- da[1:n,]

hchart(dfg, type = "treemap",

hcaes(x = state\_name, value = female\_graduates, color = female\_graduates)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Number Of Female Graduates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==9){

da <- df.state %>%

arrange(desc(Grads\_percent))

dgp <- da[1:n,]

hchart(dgp, type = "treemap",

hcaes(x = state\_name, value = Grads\_percent, color = Grads\_percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Graduates Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==10){

da <- df.state %>%

arrange(desc(Male\_Grads\_Percent))

dmgp <- da[1:n,]

hchart(dmgp, type = "treemap",

hcaes(x = state\_name, value = Male\_Grads\_Percent, color = Male\_Grads\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Male Graduates Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==11){

da <- df.state %>%

arrange(desc(Female\_Grads\_Percent))

dfgp <- da[1:n,]

hchart(dfgp, type = "treemap",

hcaes(x = state\_name, value = Female\_Grads\_Percent, color = Female\_Grads\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Female Graduates Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==12){

da <- df.state %>%

arrange(desc(literates\_total))

dl <- da[1:n,]

hchart(dl, type = "treemap",

hcaes(x = state\_name, value = literates\_total, color = literates\_total)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Total Literates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==13){

da <- df.state %>%

arrange(desc(literates\_male))

dlm <- da[1:n,]

hchart(dlm, type = "treemap",

hcaes(x = state\_name, value = literates\_male, color = literates\_male)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Number of Male Literates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==14){

da <- df.state %>%

arrange(desc(literates\_female))

dlf <- da[1:n,]

hchart(dlf, type = "treemap",

hcaes(x = state\_name, value = literates\_female, color = literates\_female)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Number of Female Literates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==15){

da <- df.state %>%

arrange(desc(sex\_ratio))

ds <- da[1:n,]

hchart(ds, type = "treemap",

hcaes(x = state\_name, value = sex\_ratio, color = sex\_ratio)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Sex Ratio")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==16){

da <- df.state %>%

arrange(desc(child\_sex\_ratio))

dcs <- da[1:n,]

hchart(dcs, type = "treemap",

hcaes(x = state\_name, value = child\_sex\_ratio, color = child\_sex\_ratio)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Child Sex Ratio")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==17){

da <- df.state %>%

arrange(desc(effective\_literacy\_rate\_total))

del <- da[1:n,]

hchart(del, type = "treemap",

hcaes(x = state\_name, value = effective\_literacy\_rate\_total, color = effective\_literacy\_rate\_total)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Total Effective Literacy Rate")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==18){

da <- df.state %>%

arrange(desc(effective\_literacy\_rate\_male))

delm <- da[1:n,]

hchart(delm, type = "treemap",

hcaes(x = state\_name, value = effective\_literacy\_rate\_male, color = effective\_literacy\_rate\_male)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Total Effective Male Literacy Rate")%>%

hc\_add\_theme(hc\_theme\_google())

}

else {

da <- df.state %>%

arrange(desc(effective\_literacy\_rate\_female))

delf <- da[1:n,]

hchart(delf, type = "treemap",

hcaes(x = state\_name, value = effective\_literacy\_rate\_female, color = effective\_literacy\_rate\_female)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "States by Total Effective Female Literacy Rate")%>%

hc\_add\_theme(hc\_theme\_google())

}

}else{

if(input$select2 == 1){

da <- df.city%>%

arrange(desc(population\_total))

dp <- da[1:n,]

hchart(dp, type = "treemap",

hcaes(x = name\_of\_city, value = population\_total, color = population\_total)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Population") %>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==2){

# dm <- df %>%

# group\_by(state\_name) %>%

# summarise(Male\_Population = sum(population\_male)) %>%

# arrange(desc(Male\_Population))

da <- df.city %>%

arrange(desc(population\_male))

dm <- da[1:n,]

# highchart() %>%

# hc\_xAxis(categories = dm$name\_of\_city)%>%

# hc\_add\_series(dm, type = "column",

# hcaes(x = name\_of\_city, y = population\_male, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Male Population")%>%

# hc\_yAxis(title = list(text = "Male Population"))%>%

# hc\_add\_theme(hc\_theme\_google())

hchart(dm, type = "treemap",

hcaes(x = name\_of\_city, value = population\_male, color = population\_male)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Male Population")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==3){

da <- df.city %>%

arrange(desc(population\_female))

de <- da[1:n,]

#

# highchart() %>%

# hc\_xAxis(categories = de$name\_of\_city)%>%

# hc\_add\_series(de, type = "column",

# hcaes(x = name\_of\_city, y = population\_female, color = name\_of\_city))%>%

# hc\_title(text = "Citites by Female Population")%>%

# hc\_yAxis(title = list(text = "Female Population"))%>%

# hc\_add\_theme(hc\_theme\_google())

hchart(de, type = "treemap",

hcaes(x = name\_of\_city, value = population\_female, color = population\_female)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Female Population")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==4){

da <- df.city %>%

arrange(desc(Male\_Percent))

dmp <- da[1:n,]

#

# highchart() %>%

# hc\_xAxis(categories = dmp$name\_of\_city)%>%

# hc\_add\_series(dmp, type = "column",

# hcaes(x = name\_of\_city, y = Male\_Percent, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Males Percentage")%>%

# hc\_yAxis(title = list(text = "Males Percentage"))%>%

# hc\_add\_theme(hc\_theme\_google())

hchart(dmp, type = "treemap",

hcaes(x = name\_of\_city, value = Male\_Percent, color = Male\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Males Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==5){

da <- df.city %>%

arrange(desc(Female\_Percent))

dfp <- da[1:n,]

#

# highchart() %>% hc\_xAxis(categories = dfp$name\_of\_city)%>%

# hc\_add\_series(dfp, type = "column",

# hcaes(x = name\_of\_city, y = Female\_Percent, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Females Percentage")%>%

# hc\_yAxis(title = list(text = "Females Percentage"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dfp, type = "treemap",

hcaes(x = name\_of\_city, value = Female\_Percent, color = Female\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Females Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==6){

da <- df.city %>%

arrange(desc(total\_graduates))

dg <- da[1:n,]

# highchart() %>%hc\_xAxis(categories = dg$name\_of\_city)%>%

# hc\_add\_series(dg, type = "column",

# hcaes(x = name\_of\_city, y = total\_graduates, color = name\_of\_city))%>%

# hc\_title(text = "Cities by num2ber Of Graduates")%>%

# hc\_yAxis(title = list(text = "Total Graduates"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dg, type = "treemap",

hcaes(x = name\_of\_city, value = total\_graduates, color = total\_graduates)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Number Of Graduates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==7){

da <- df.city %>%

arrange(desc(male\_graduates))

dmg <- da[1:n,]

# highchart() %>%hc\_xAxis(categories = dmg$name\_of\_city)%>%

# hc\_add\_series(dmg, type = "column",

# hcaes(x = name\_of\_city, y = male\_graduates, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Male Graduates")%>%

# hc\_yAxis(title = list(text = "Male Graduates"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dmg, type = "treemap",

hcaes(x = name\_of\_city, value = male\_graduates, color = male\_graduates)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Number Of Male Graduates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==8){

da <- df.city %>%

arrange(desc(female\_graduates))

dfg <- da[1:n,]

#

# highchart() %>% hc\_xAxis(categories = dfg$name\_of\_city)%>%

# hc\_add\_series(dfg, type = "column",

# hcaes(x = name\_of\_city, y = female\_graduates, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Female Population")%>%

# hc\_yAxis(title = list(text = "Female Graduates"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dfg, type = "treemap",

hcaes(x = name\_of\_city, value = female\_graduates, color = female\_graduates)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Number Of Female Graduates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==9){

da <- df.city %>%

arrange(desc(Grads\_percent))

dgp <- da[1:n,]

# highchart() %>% hc\_xAxis(categories = dgp$name\_of\_city)%>%

# hc\_add\_series(dgp, type = "column",

# hcaes(x = name\_of\_city, y = Grads\_percent, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Graduates Percentage")%>%

# hc\_yAxis(title = list(text = "Graduates Percentage"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dgp, type = "treemap",

hcaes(x = name\_of\_city, value = Grads\_percent, color = Grads\_percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Graduates Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==10){

da <- df.city %>%

arrange(desc(Male\_Grads\_Percent))

dmgp <- da[1:n,]

#

# highchart() %>% hc\_xAxis(categories = dmgp$name\_of\_city)%>%

# hc\_add\_series(dmgp, type = "column",

# hcaes(x = name\_of\_city, y = Male\_Grads\_Percent, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Male Graduates Percentage")%>%

# hc\_yAxis(title = list(text = "Males Graduates Percentage"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dmgp, type = "treemap",

hcaes(x = name\_of\_city, value = Male\_Grads\_Percent, color = Male\_Grads\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Male Graduates Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==11){

da <- df.city %>%

arrange(desc(Female\_Grads\_Percent))

dfgp <- da[1:n,]

# highchart() %>%hc\_xAxis(categories = dfgp$name\_of\_city)%>%

# hc\_add\_series(dfgp, type = "column",

# hcaes(x = name\_of\_city, y = Female\_Grads\_Percent, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Female Graduates Percentage")%>%

# hc\_yAxis(title = list(text = "Females Graduates Percentage"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dfgp, type = "treemap",

hcaes(x = name\_of\_city, value = Female\_Grads\_Percent, color = Female\_Grads\_Percent)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Female Graduates Percentage")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==12){

da <- df.city %>%

arrange(desc(literates\_total))

dl <- da[1:n,]

# highchart() %>%hc\_xAxis(categories = dl$name\_of\_city)%>%

# hc\_add\_series(dl, type = "column",

# hcaes(x = name\_of\_city, y = literates\_total, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Total Literates")%>%

# hc\_yAxis(title = list(text = "Total Literates"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dl, type = "treemap",

hcaes(x = name\_of\_city, value = literates\_total, color = literates\_total)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Total Literates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==13){

da <- df.city %>%

arrange(desc(literates\_male))

dlm <- da[1:n,]

hchart(dlm, type = "treemap",

hcaes(x = name\_of\_city, value = literates\_male, color = literates\_male)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Number of Male Literates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==14){

da <- df.city %>%

arrange(desc(literates\_female))

dlf <- da[1:n,]

# highchart() %>%hc\_xAxis(categories = dlf$name\_of\_city)%>%

# hc\_add\_series(dlf, type = "column",

# hcaes(x = name\_of\_city, y = literates\_female, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Female Literates")%>%

# hc\_yAxis(title = list(text = "Female Literates"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dlf, type = "treemap",

hcaes(x = name\_of\_city, value = literates\_female, color = literates\_female)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Number of Female Literates")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==15){

da <- df.city %>%

arrange(desc(sex\_ratio))

ds <- da[1:n,]

# highchart() %>%hc\_xAxis(categories = ds$name\_of\_city)%>%

# hc\_add\_series(ds, type = "column",

# hcaes(x = name\_of\_city, y = sex\_ratio, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Sex Ratio")%>%

# hc\_yAxis(title = list(text = "Sex\_Ratio"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(ds, type = "treemap",

hcaes(x = name\_of\_city, value = sex\_ratio, color = sex\_ratio)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Sex Ratio")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==16){

da <- df.city %>%

arrange(desc(child\_sex\_ratio))

dcs <- da[1:n,]

# highchart() %>% hc\_xAxis(categories = dcs$name\_of\_city)%>%

# hc\_add\_series(dcs, type = "column",

# hcaes(x = name\_of\_city, y = child\_sex\_ratio, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Child Sex Ratio")%>%

# hc\_yAxis(title = list(text = "Child\_Sex\_Ratio"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(dcs, type = "treemap",

hcaes(x = name\_of\_city, value = child\_sex\_ratio, color = child\_sex\_ratio)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Child Sex Ratio")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==17){

da <- df.city %>%

arrange(desc(effective\_literacy\_rate\_total))

del <- da[1:n,]

# highchart() %>% hc\_xAxis(categories = del$name\_of\_city)%>%

# hc\_add\_series(del, type = "column",

# hcaes(x = name\_of\_city, y = effective\_literacy\_rate\_total, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Total Effective Literacy Rate")%>%

# hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_total"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(del, type = "treemap",

hcaes(x = name\_of\_city, value = effective\_literacy\_rate\_total, color = effective\_literacy\_rate\_total)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Total Effective Literacy Rate")%>%

hc\_add\_theme(hc\_theme\_google())

}

else if(input$select2 ==18){

da <- df.city %>%

arrange(desc(effective\_literacy\_rate\_male))

delm <- da[1:n,]

# highchart() %>% hc\_xAxis(categories = delm$name\_of\_city)%>%

# hc\_add\_series(delm, type = "column",

# hcaes(x = name\_of\_city, y = effective\_literacy\_rate\_male, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Total Effective Male Literacy Rate")%>%

# hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_Male"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(delm, type = "treemap",

hcaes(x = name\_of\_city, value = effective\_literacy\_rate\_male, color = effective\_literacy\_rate\_male)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Total Effective Male Literacy Rate")%>%

hc\_add\_theme(hc\_theme\_google())

}

else {

da <- df.city %>%

arrange(desc(effective\_literacy\_rate\_female))

delf <- da[1:n,]

# highchart() %>%hc\_xAxis(categories = delf$name\_of\_city)%>%

# hc\_add\_series(delf, type = "column",

# hcaes(x = name\_of\_city, y = effective\_literacy\_rate\_female, color = name\_of\_city))%>%

# hc\_title(text = "Cities by Total Effective Female Literacy Rate")%>%

# hc\_yAxis(title = list(text = "Effective\_Literacy\_Rate\_Female"))%>%

# hc\_add\_theme(hc\_theme\_google())

#

hchart(delf, type = "treemap",

hcaes(x = name\_of\_city, value = effective\_literacy\_rate\_female, color = effective\_literacy\_rate\_female)) %>%

hc\_credits(enabled = TRUE, text = "Sources: Census India 2011", style = list(fontSize = "10px")) %>%

hc\_title(text = "Cities by Total Effective Female Literacy Rate")%>%

hc\_add\_theme(hc\_theme\_google())

}

}

})

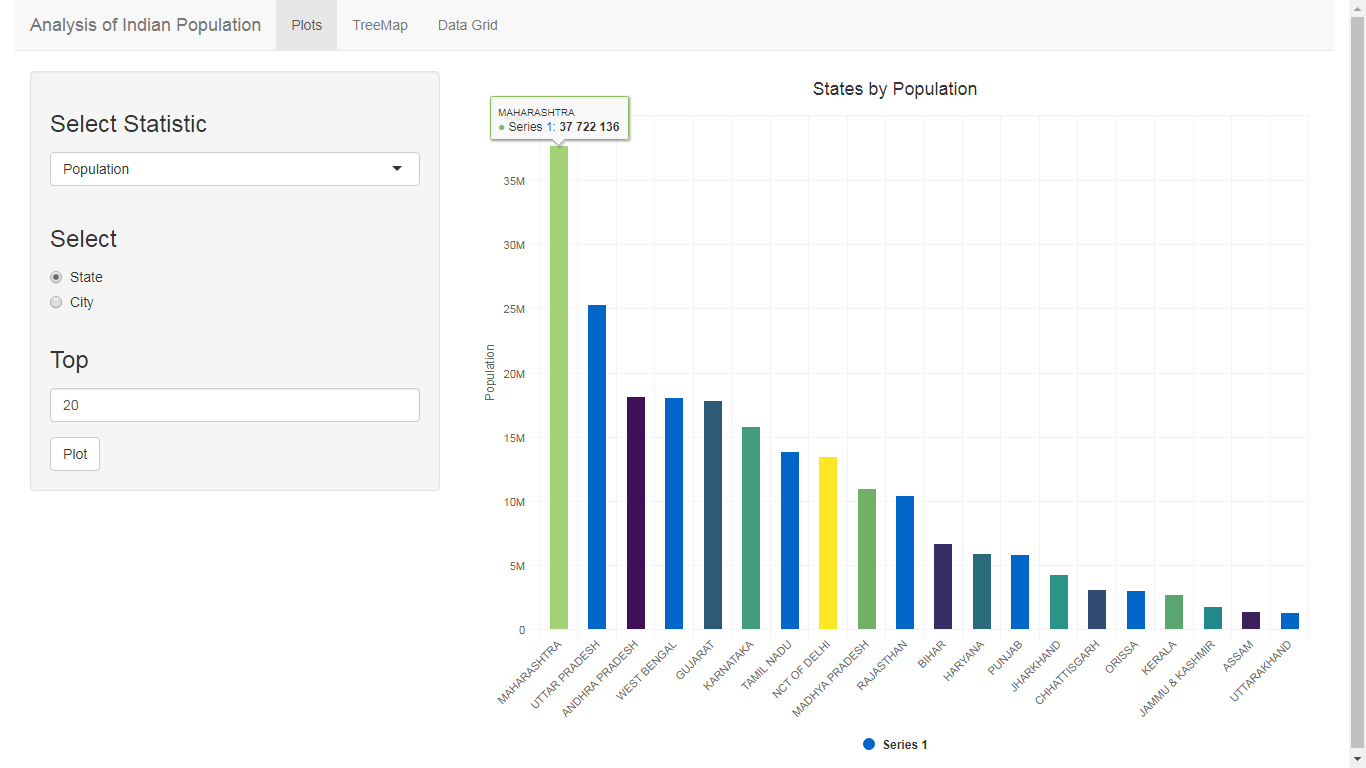
output$mytable1 <- renderDataTable({df.state[,input$show\_vars1,drop=FALSE]})

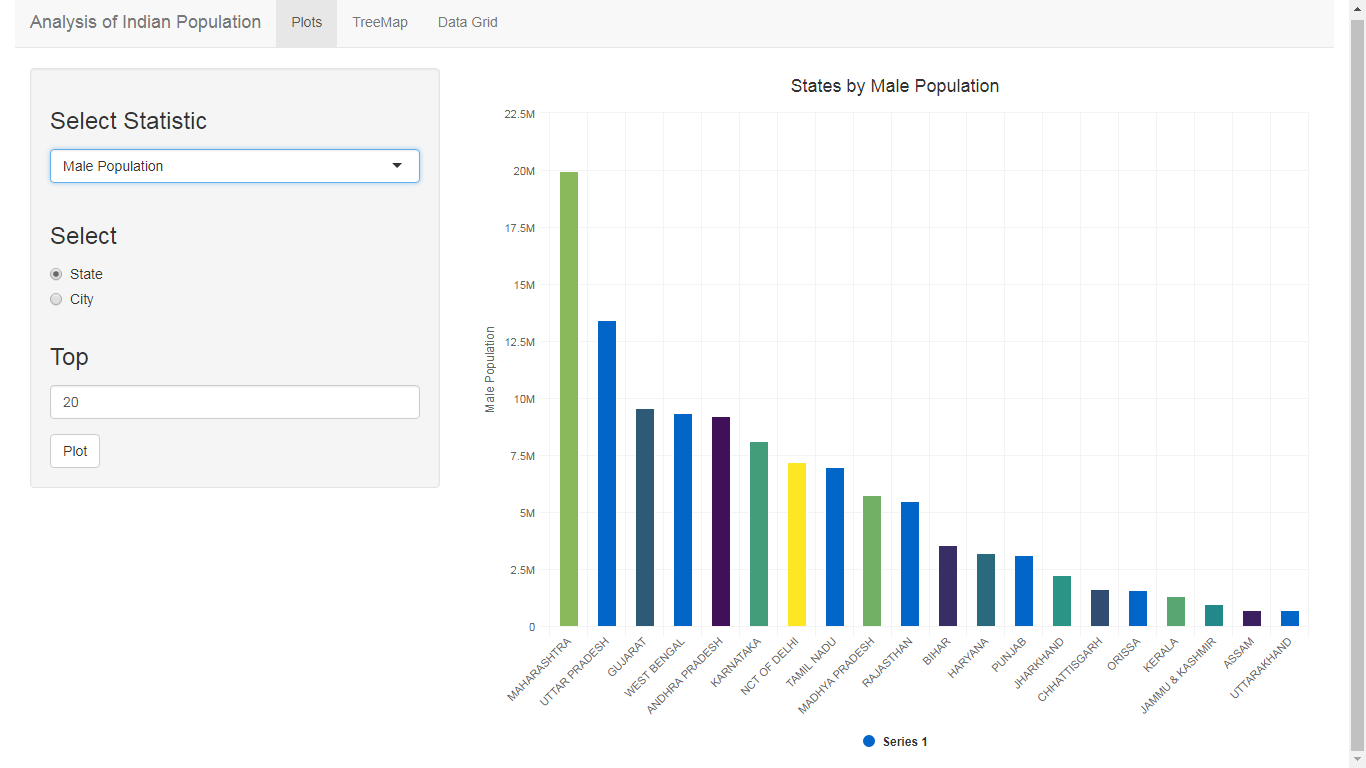
output$mytable2 <- renderDataTable({df.city[,input$show\_vars2,drop=FALSE]})

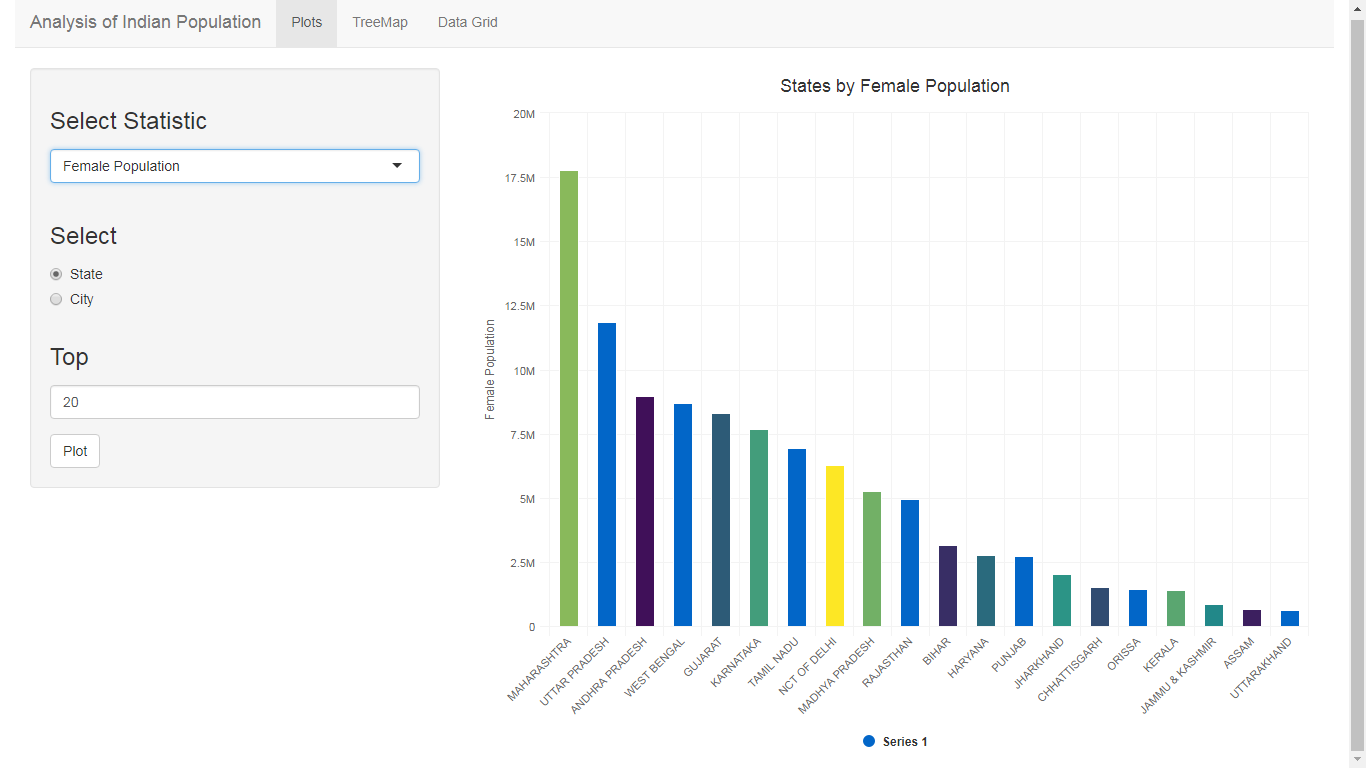
}

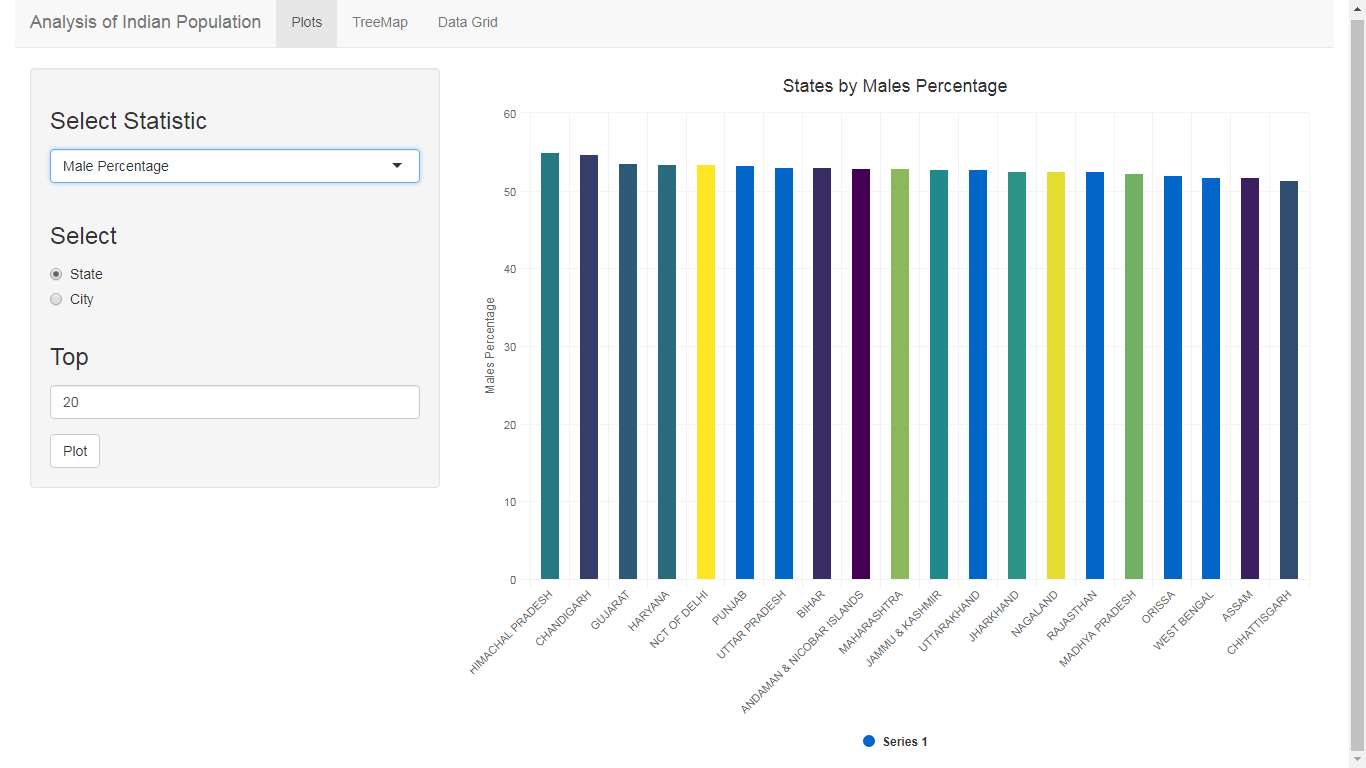
Screeenshots

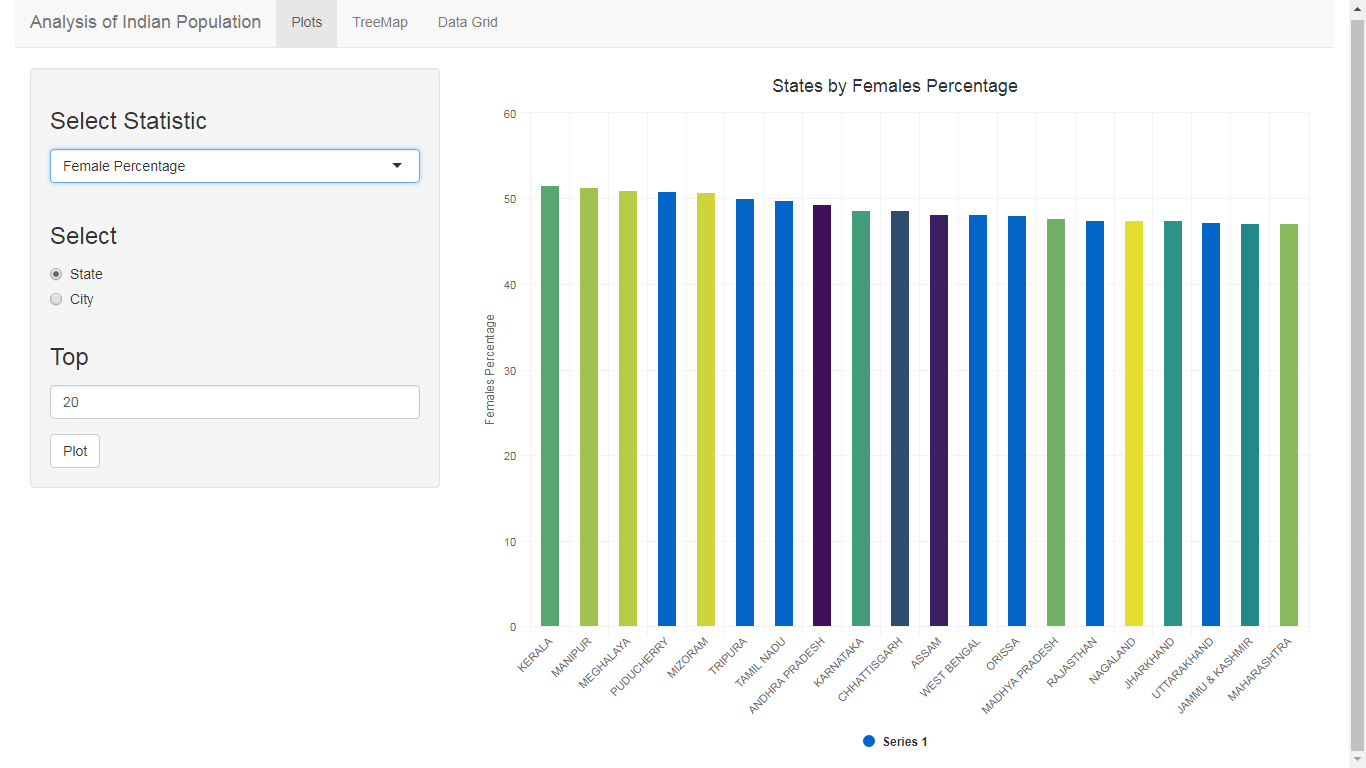
1. Plots

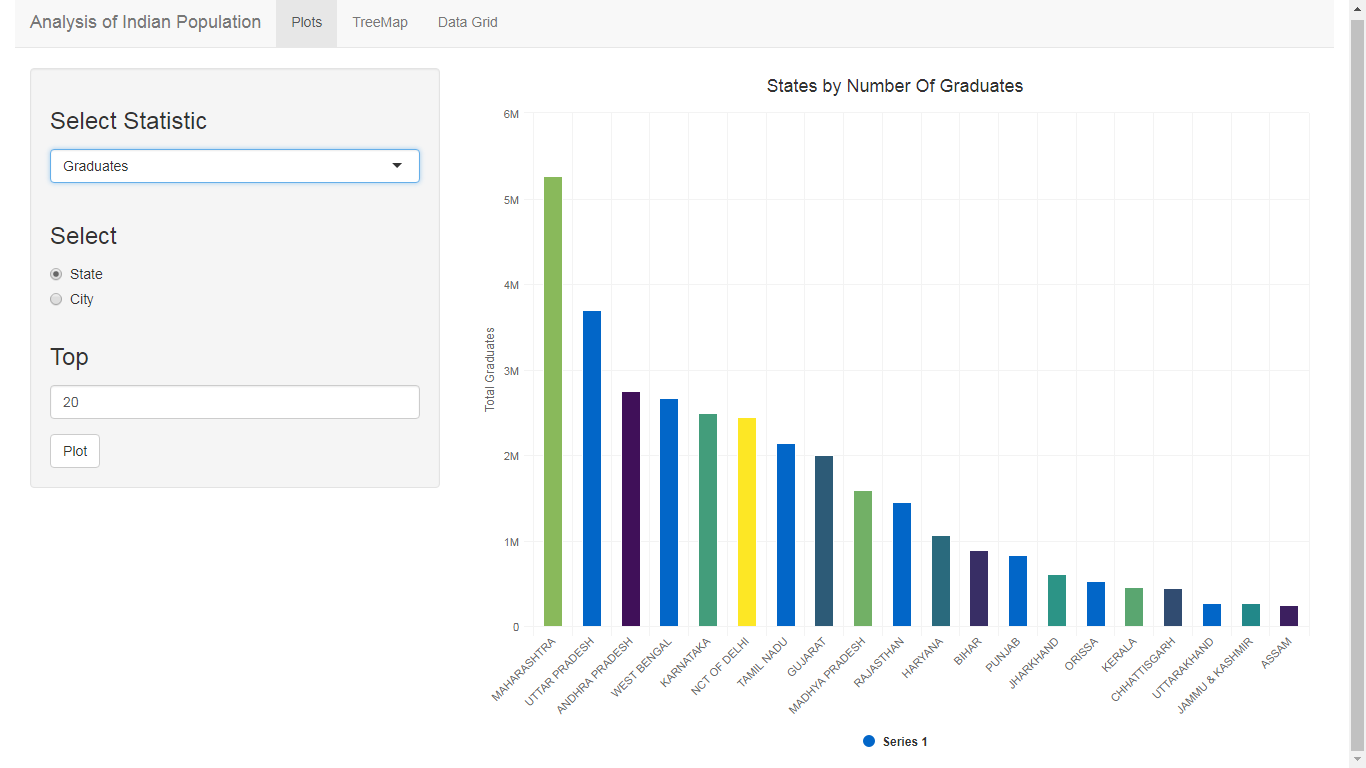


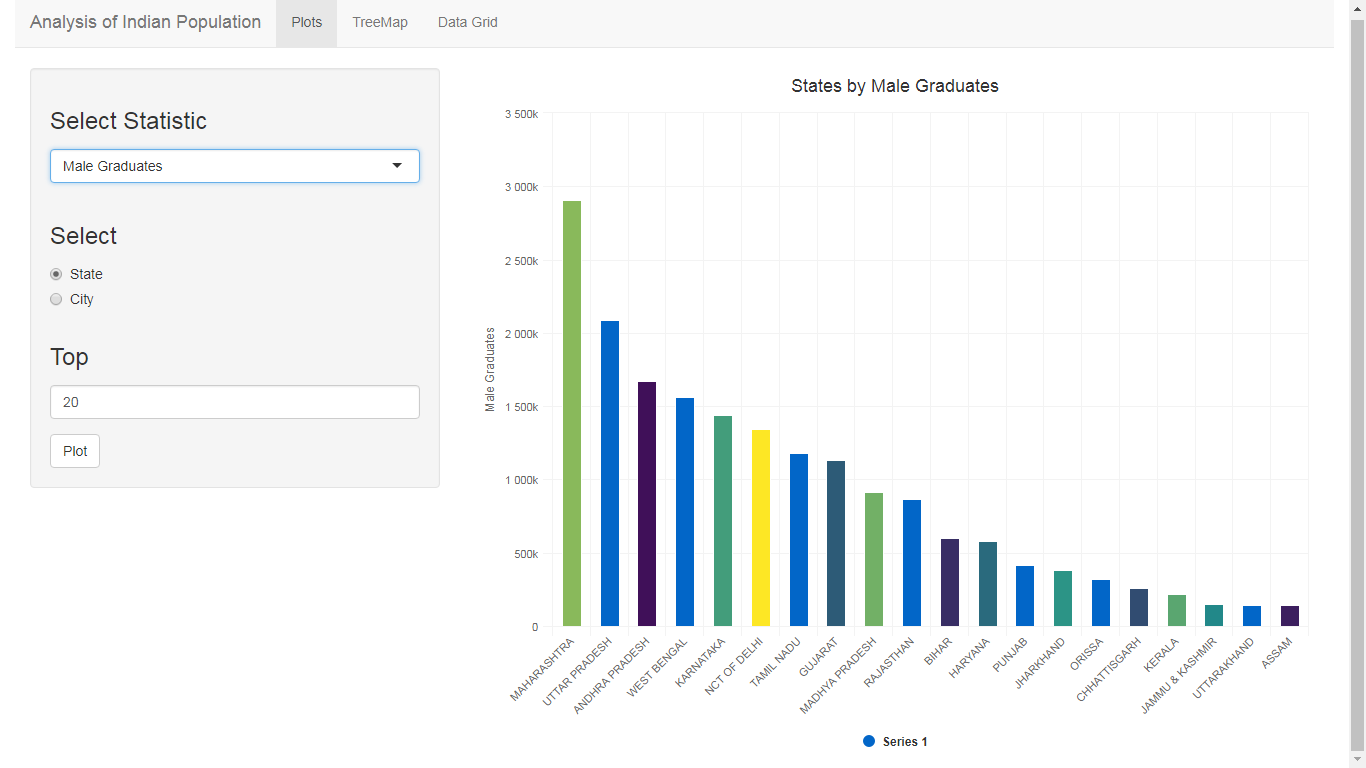


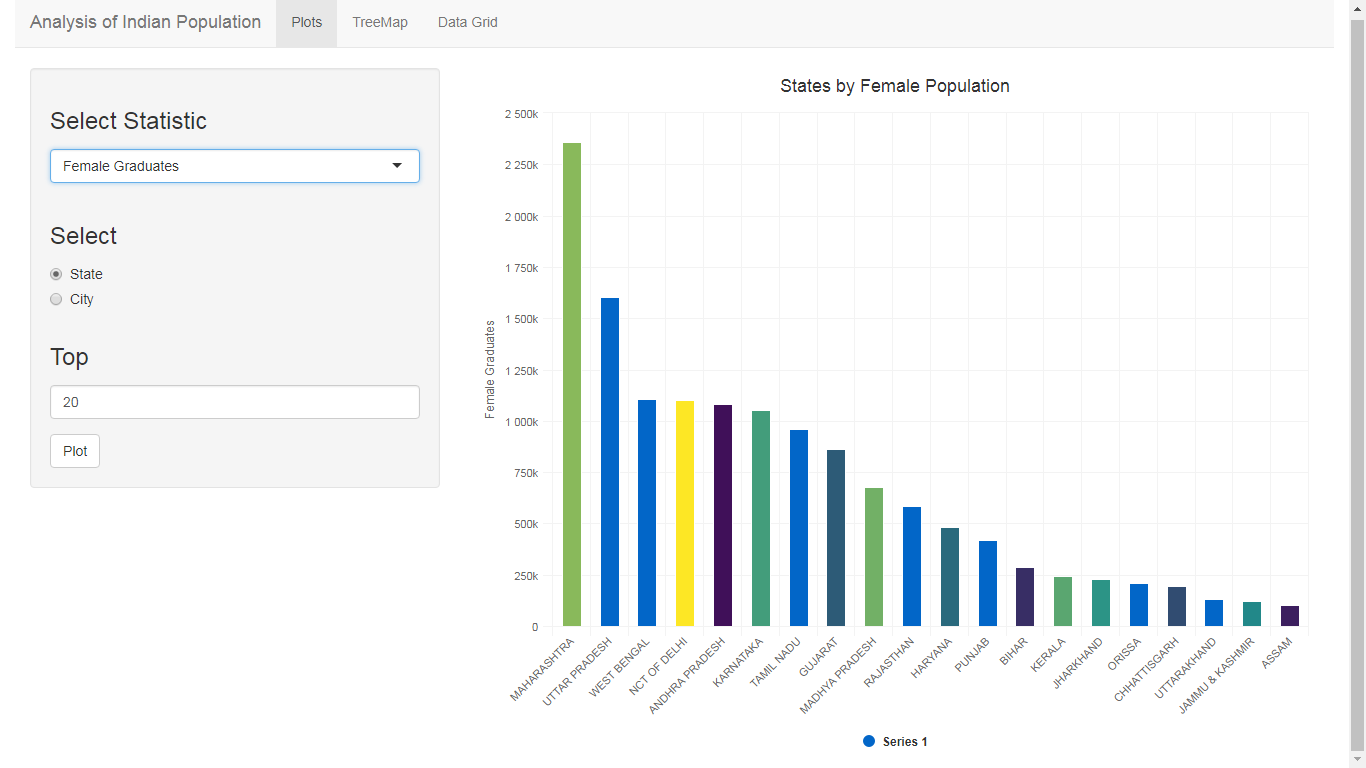


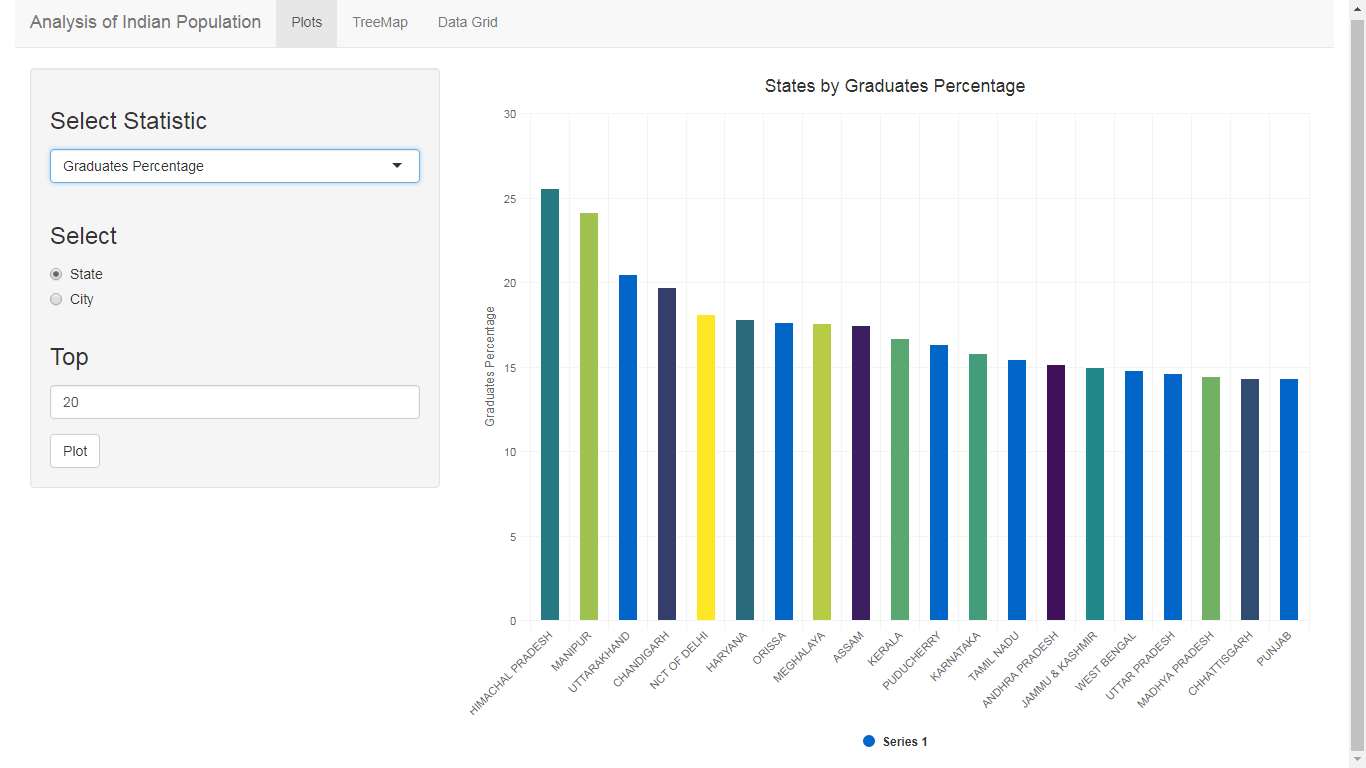


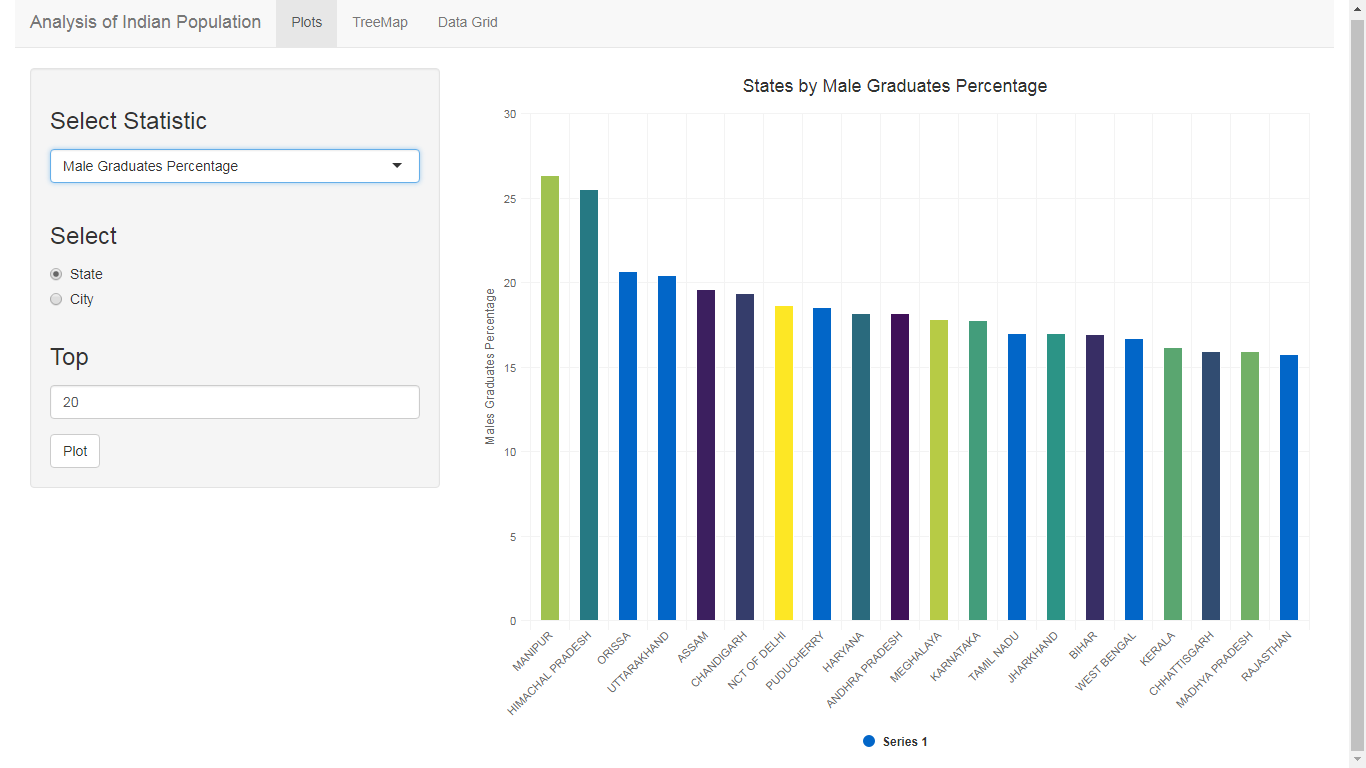
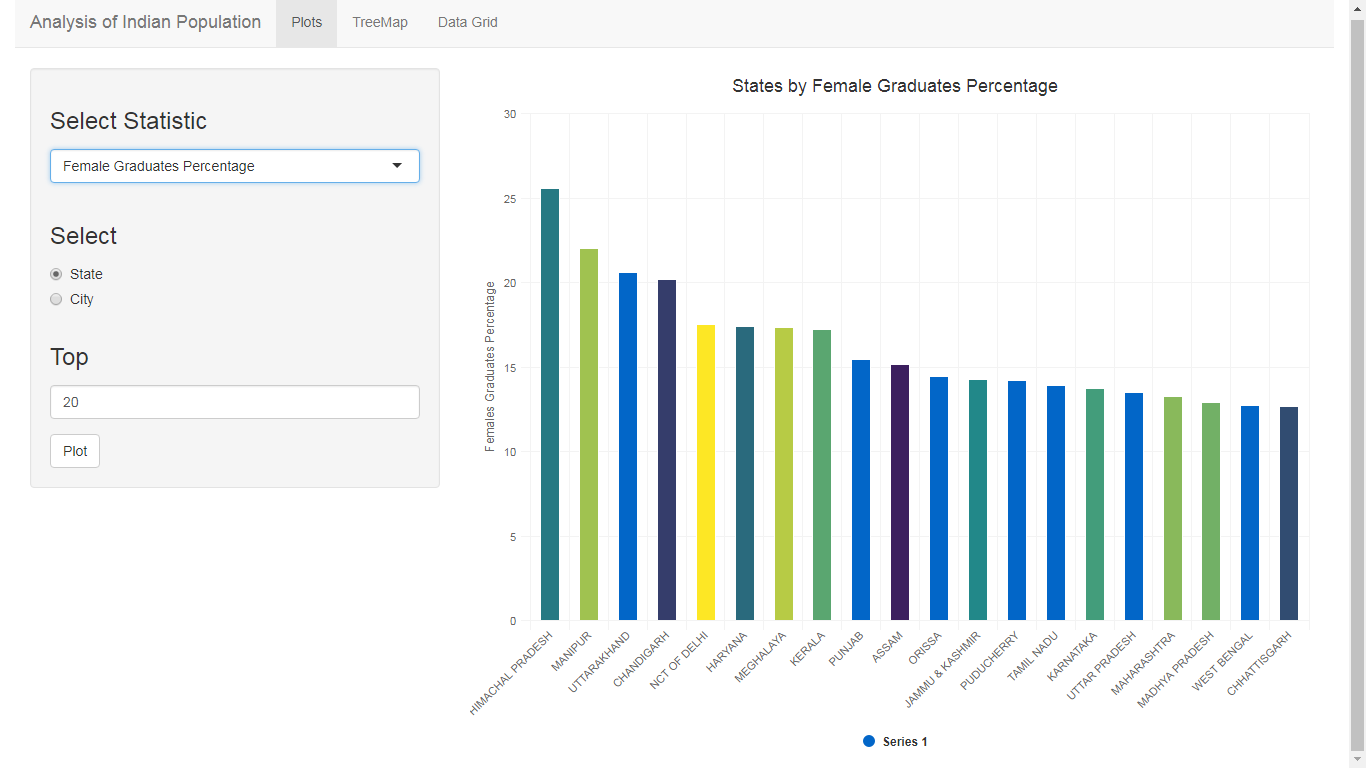


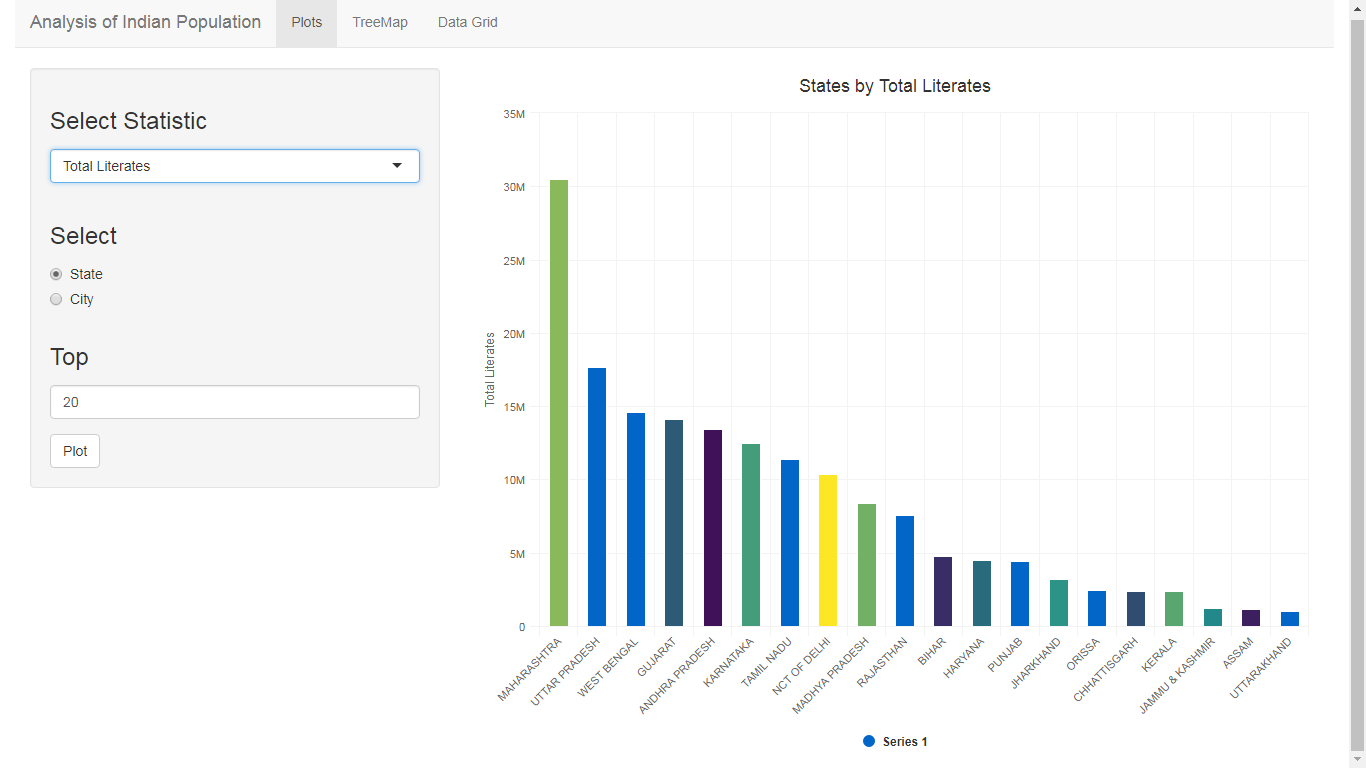


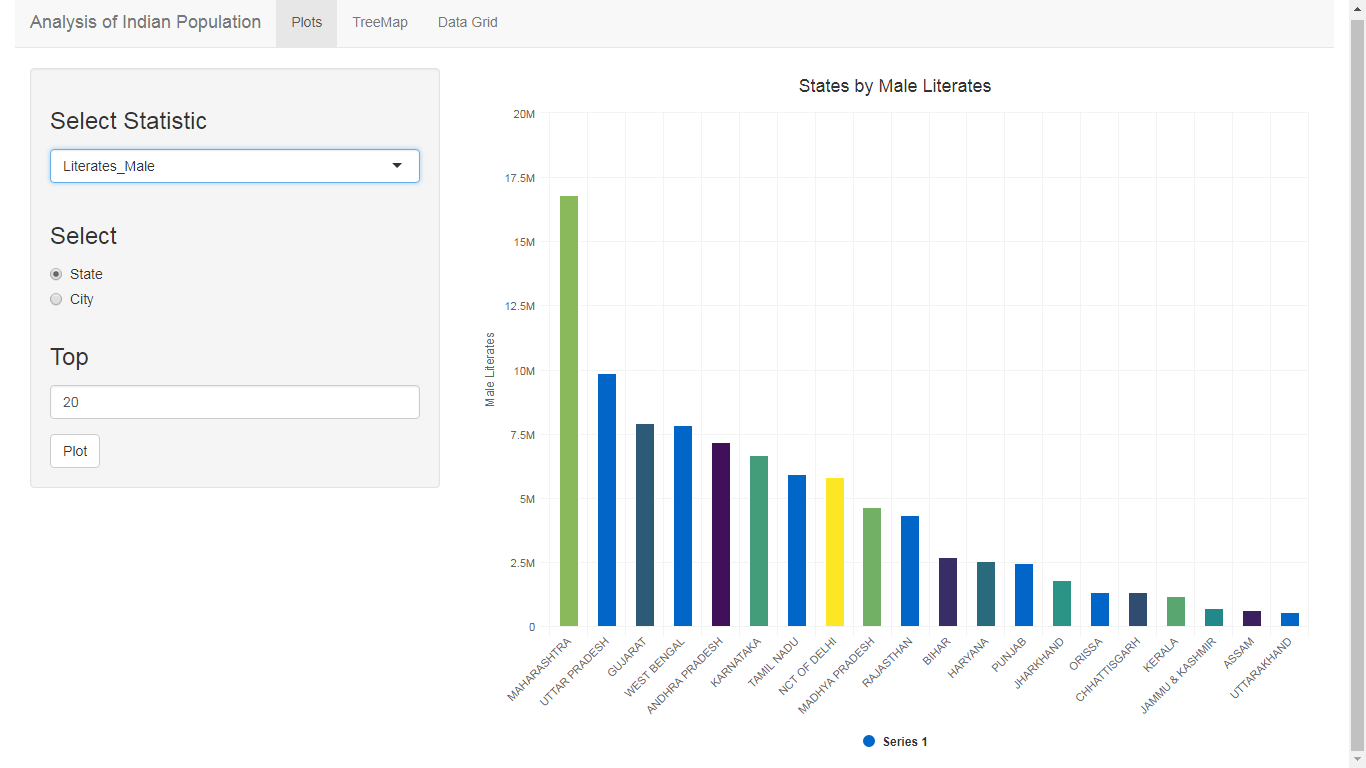


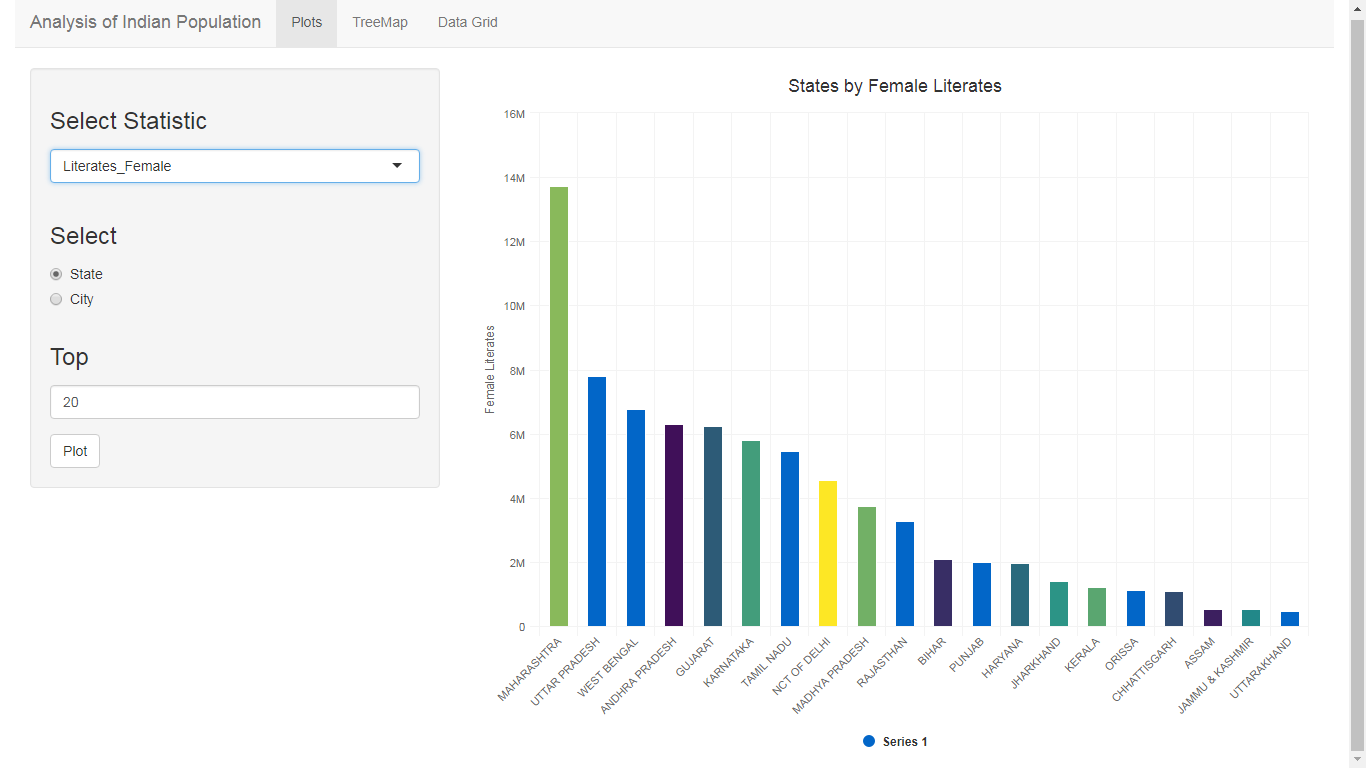


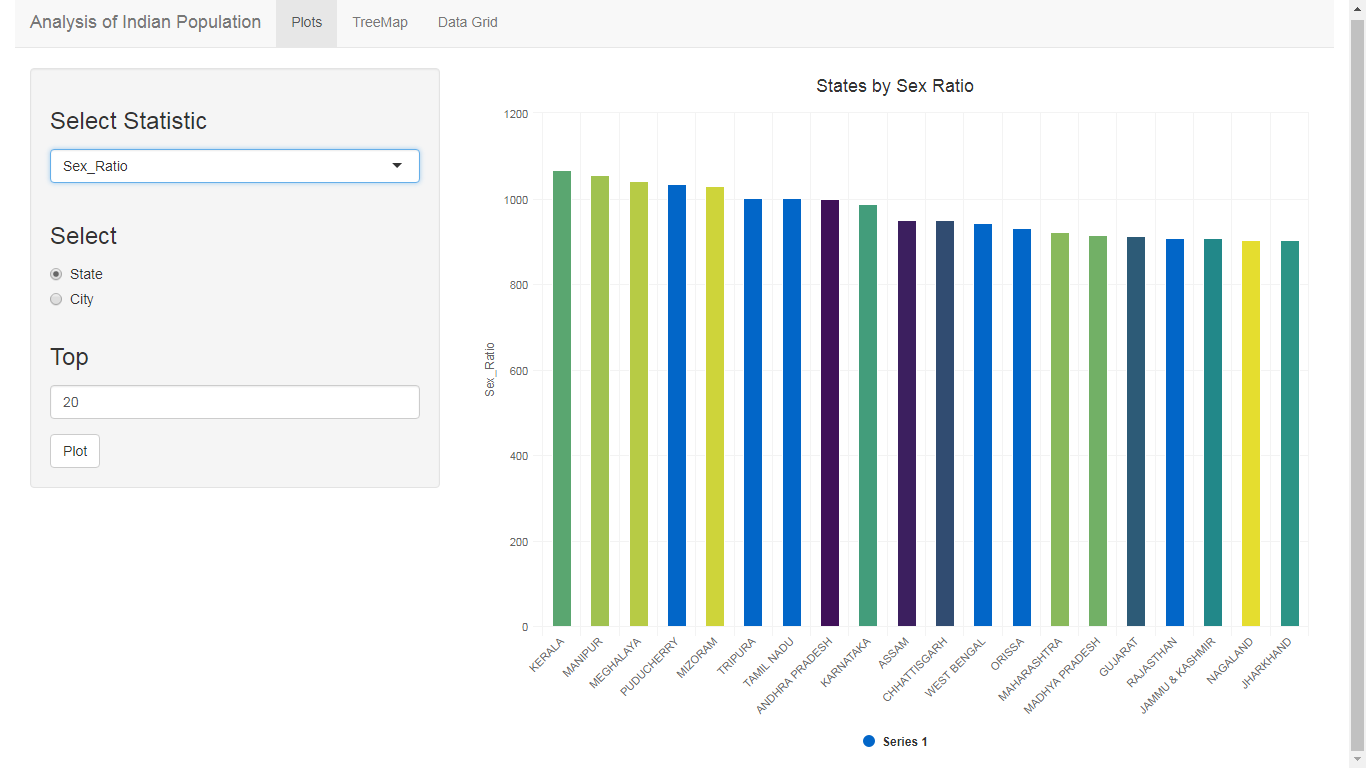


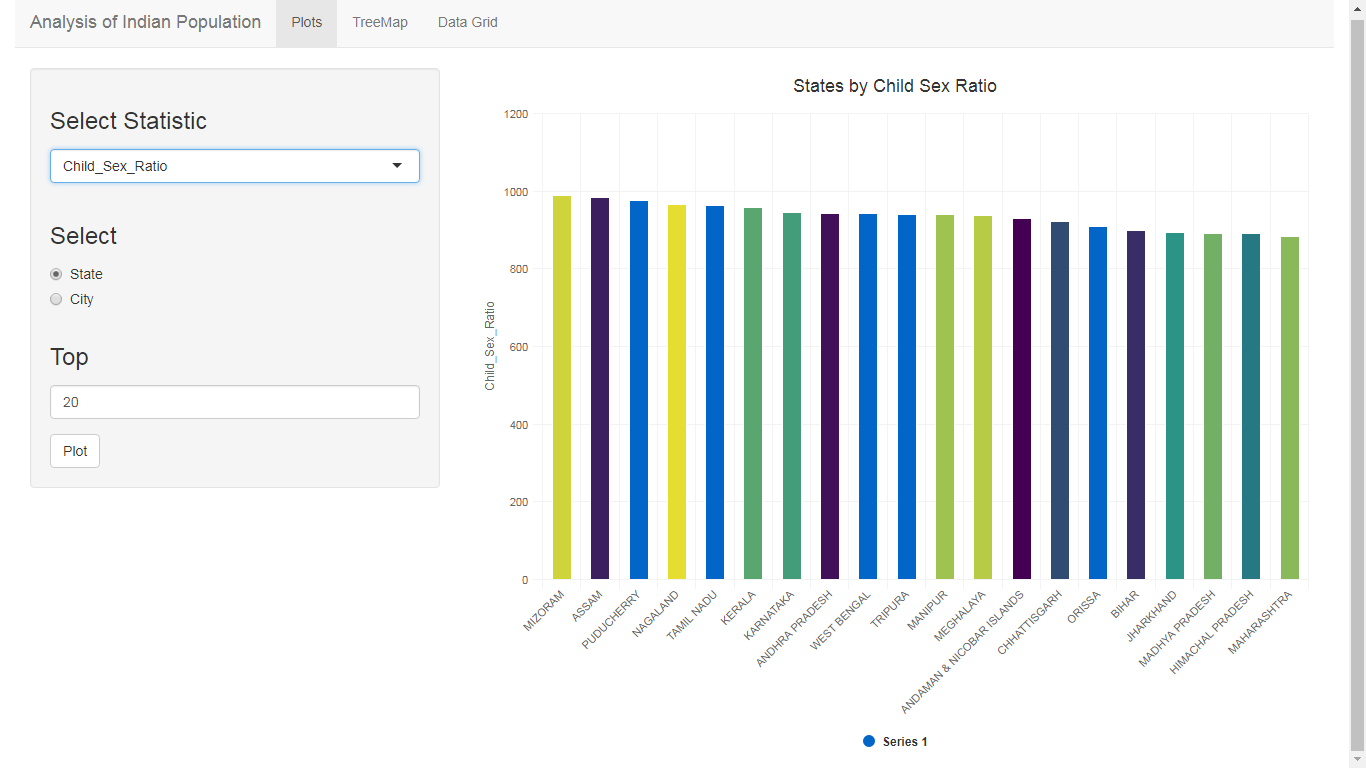
 

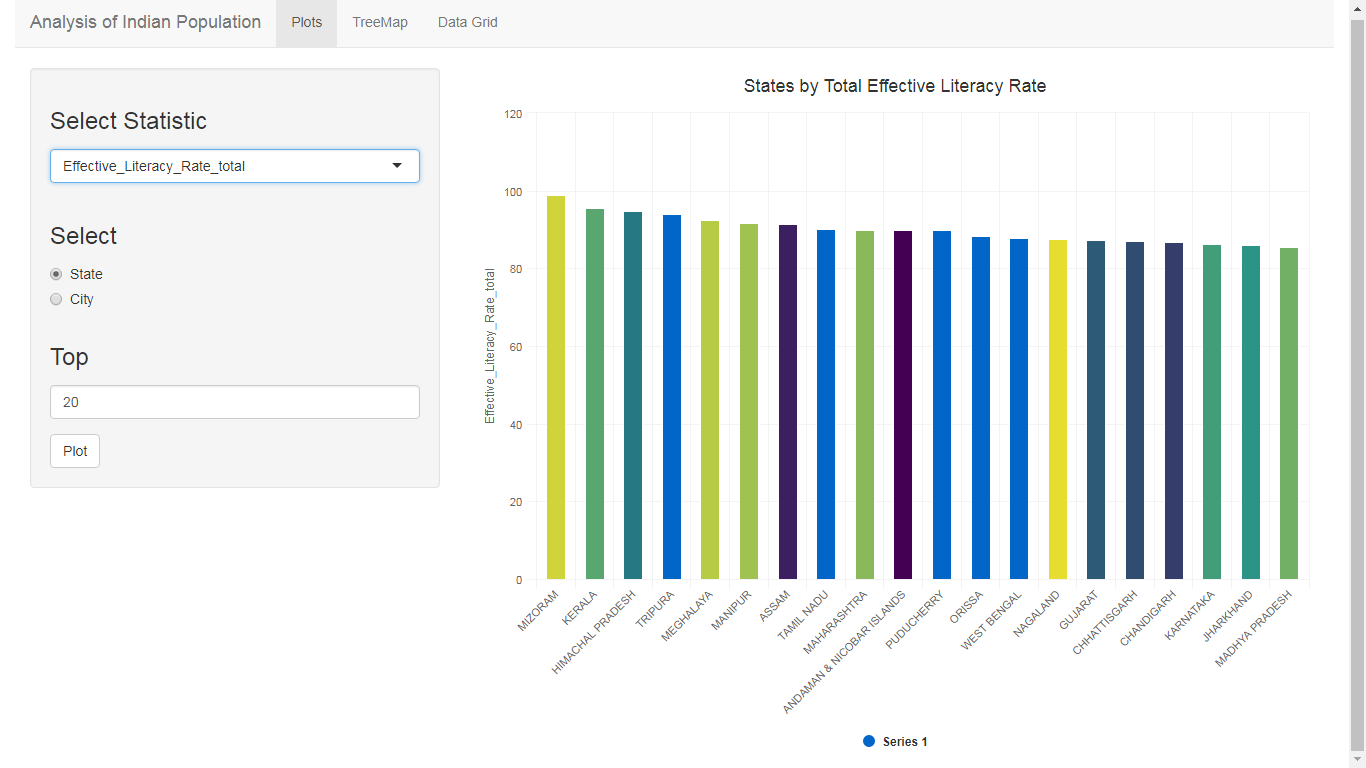


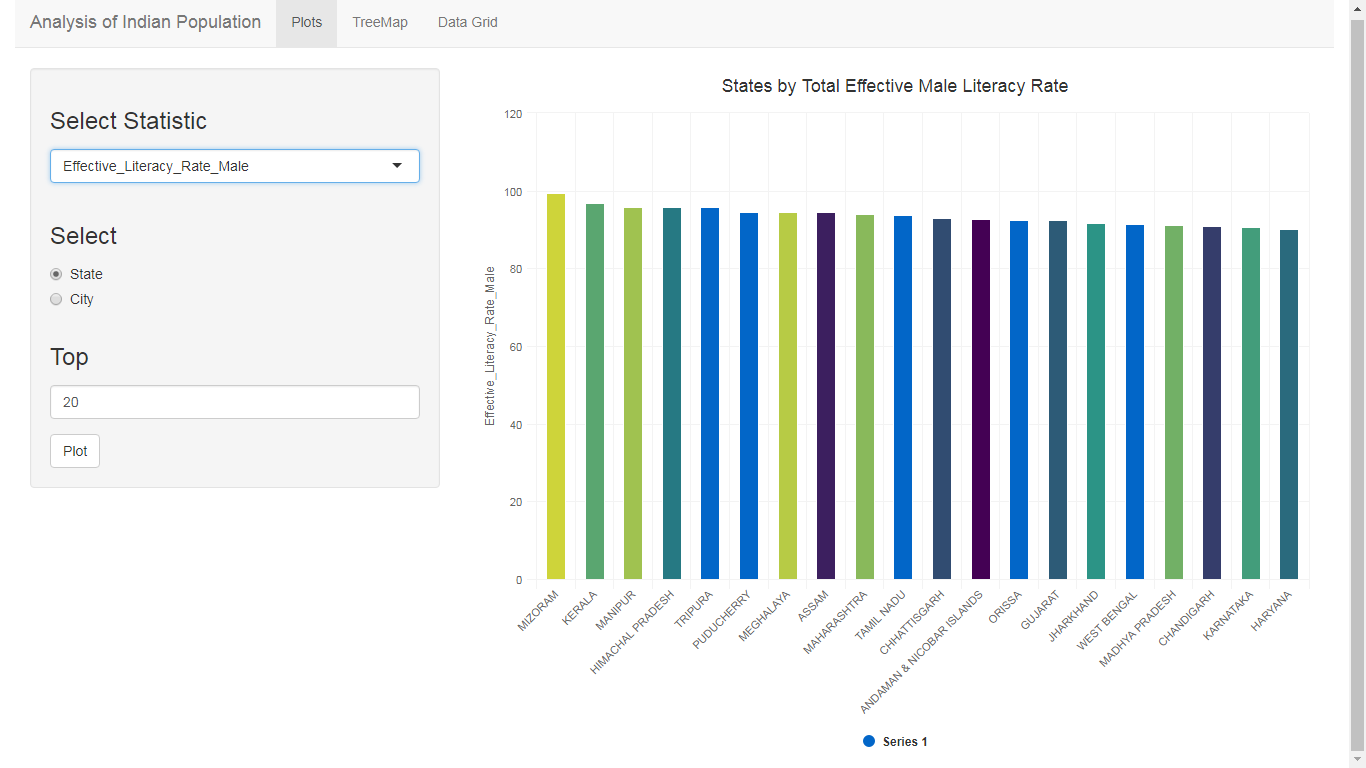


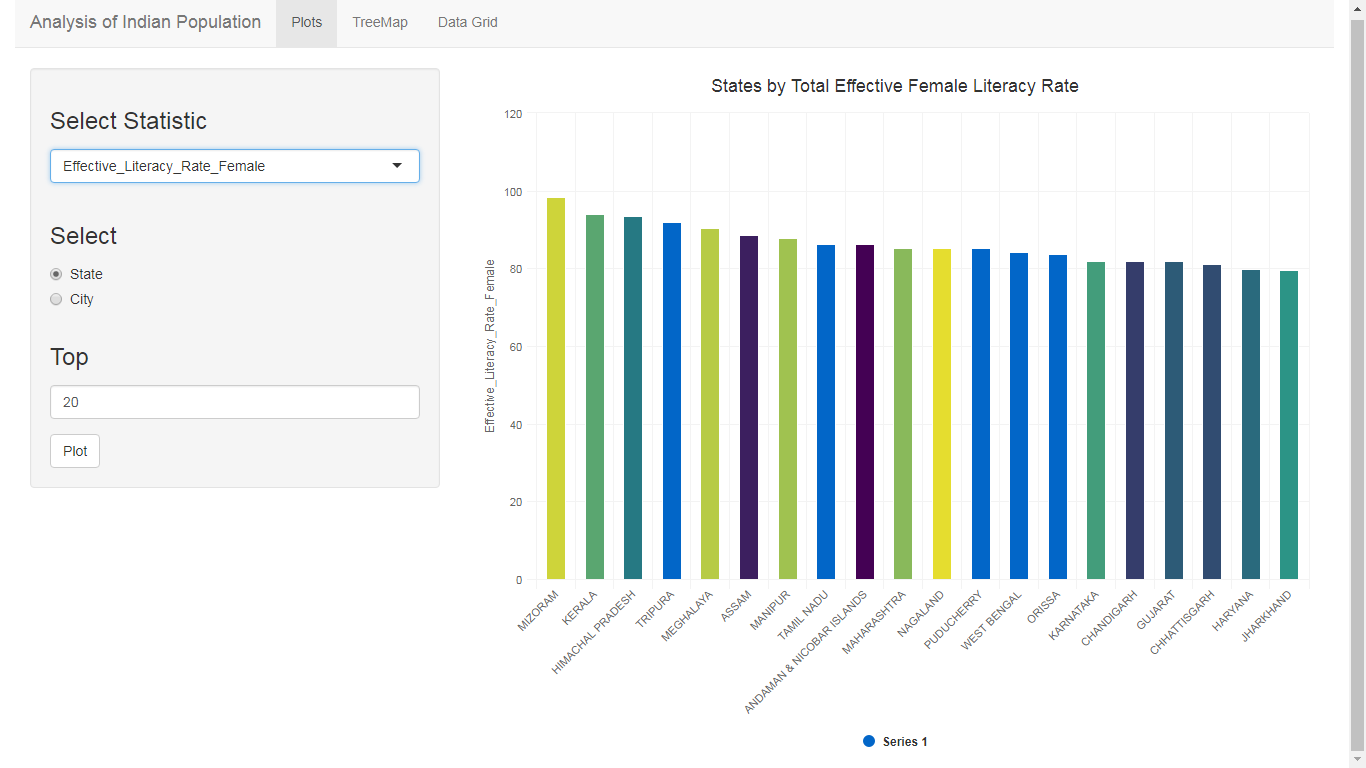




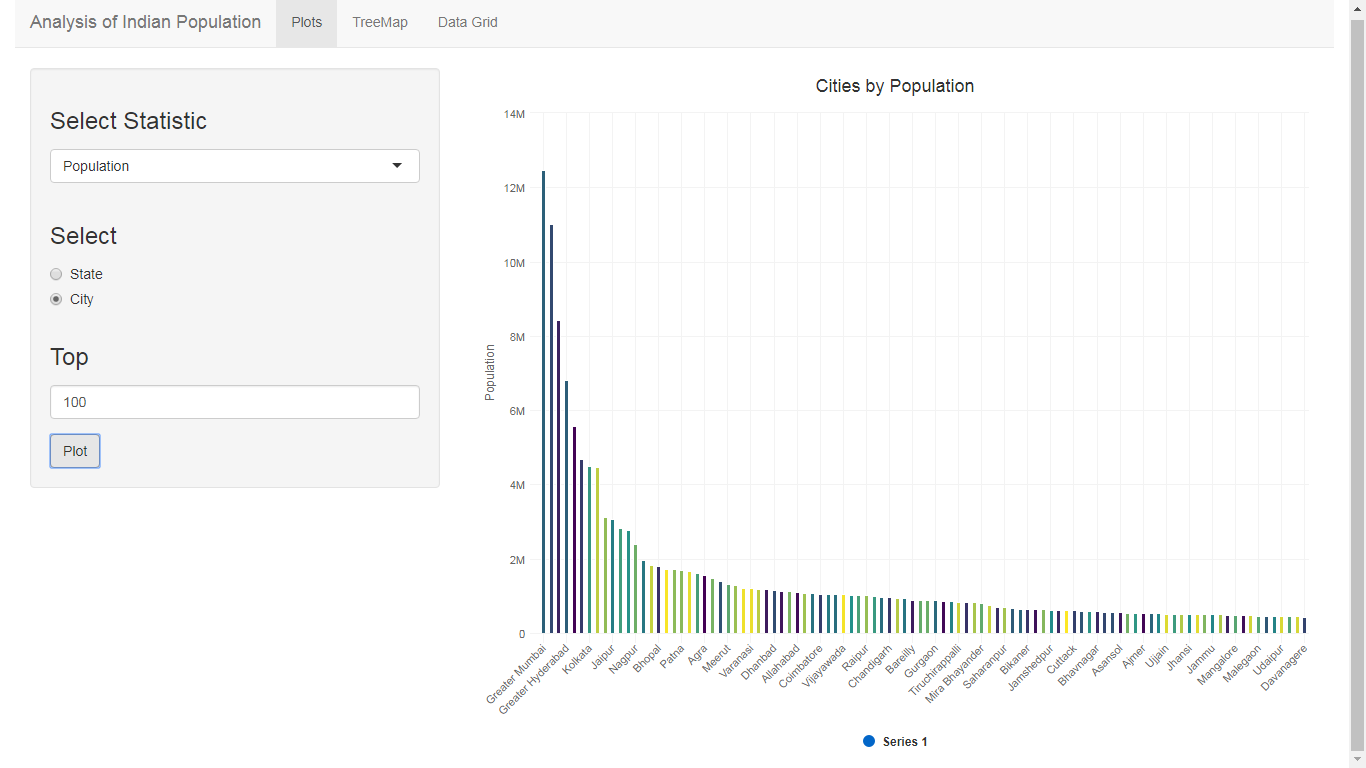






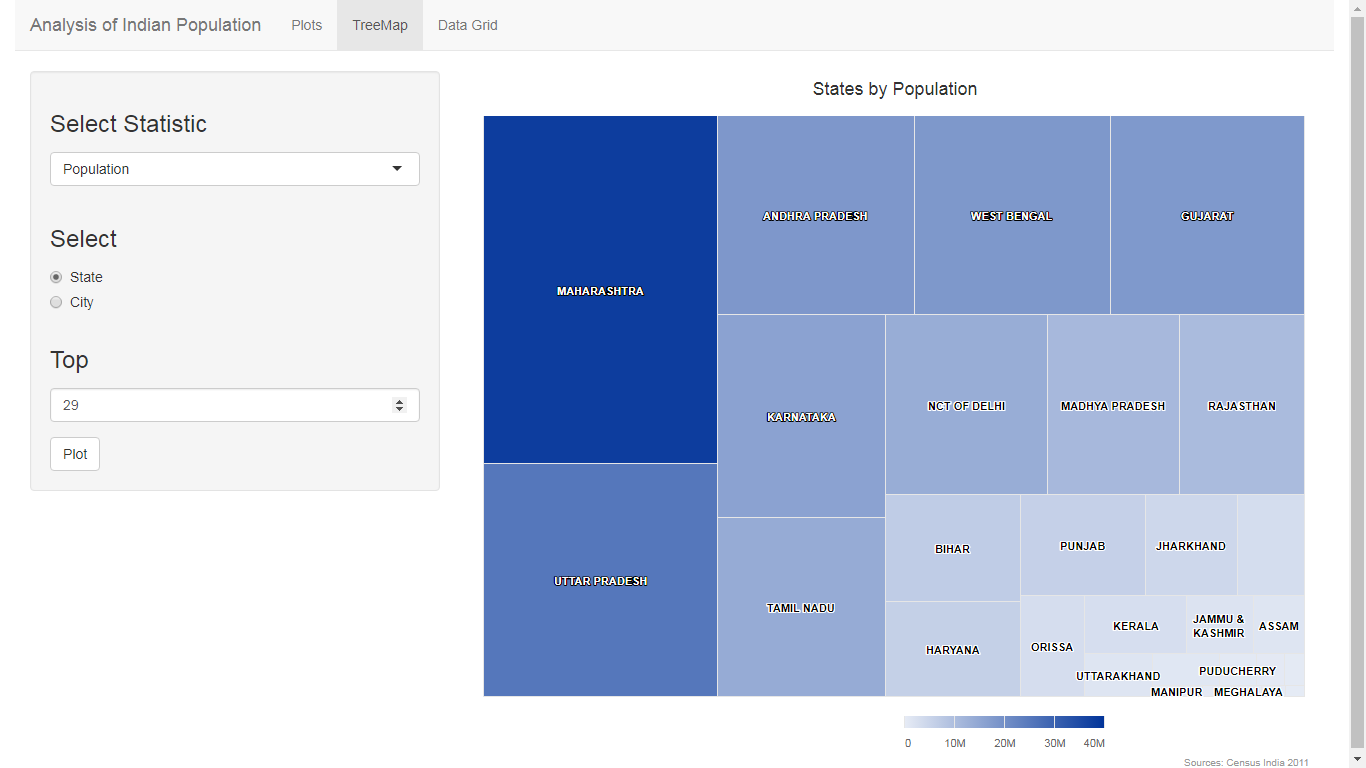


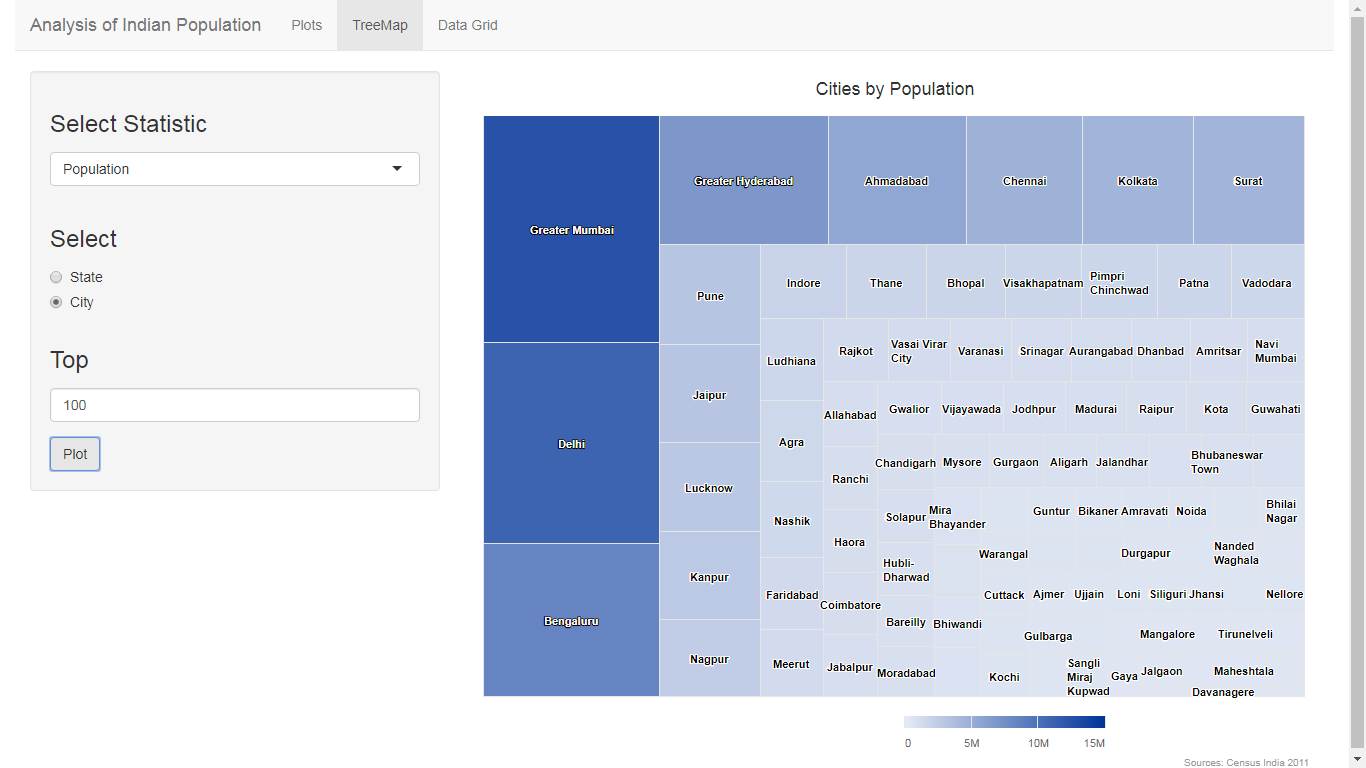
Plots for City:



Note: There are multiple graphs for city as well. Different Graphs are displayed as you change the statistics.

1. Tree Map.

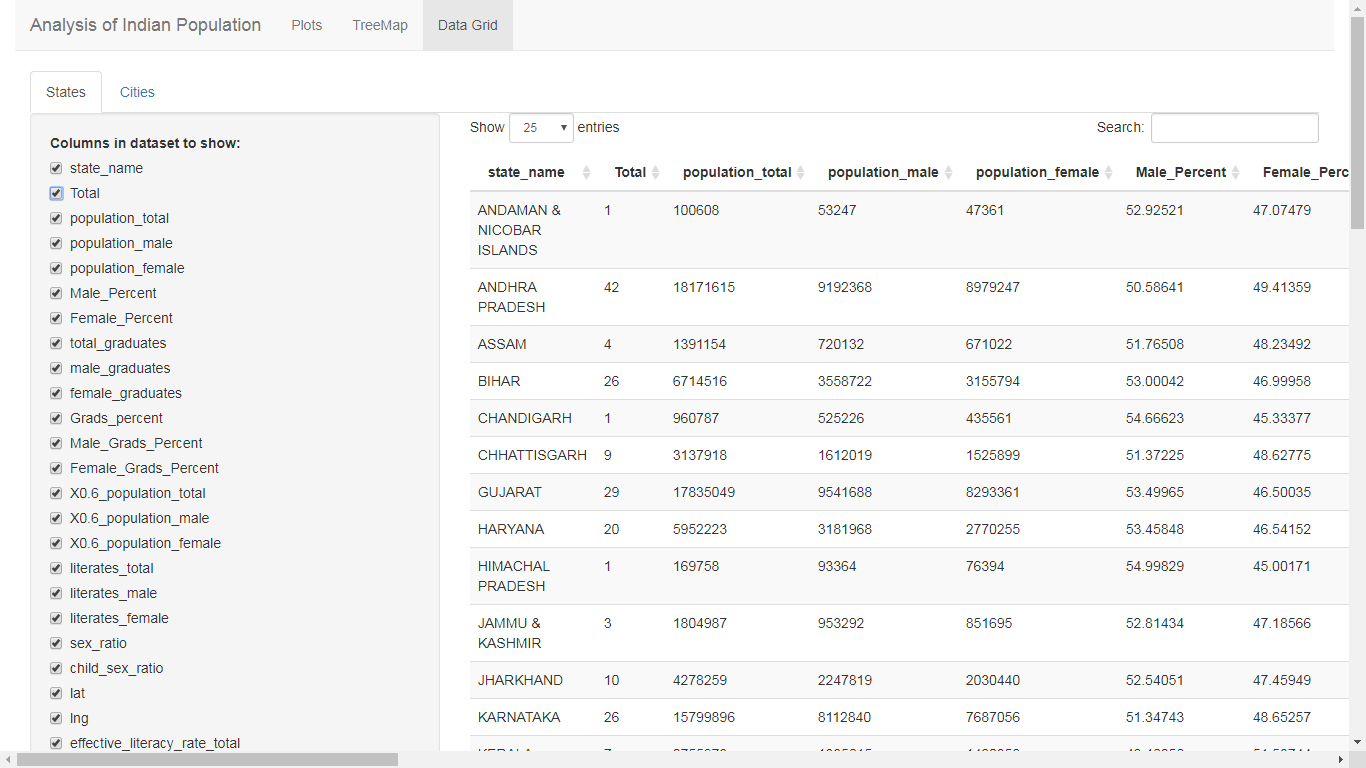


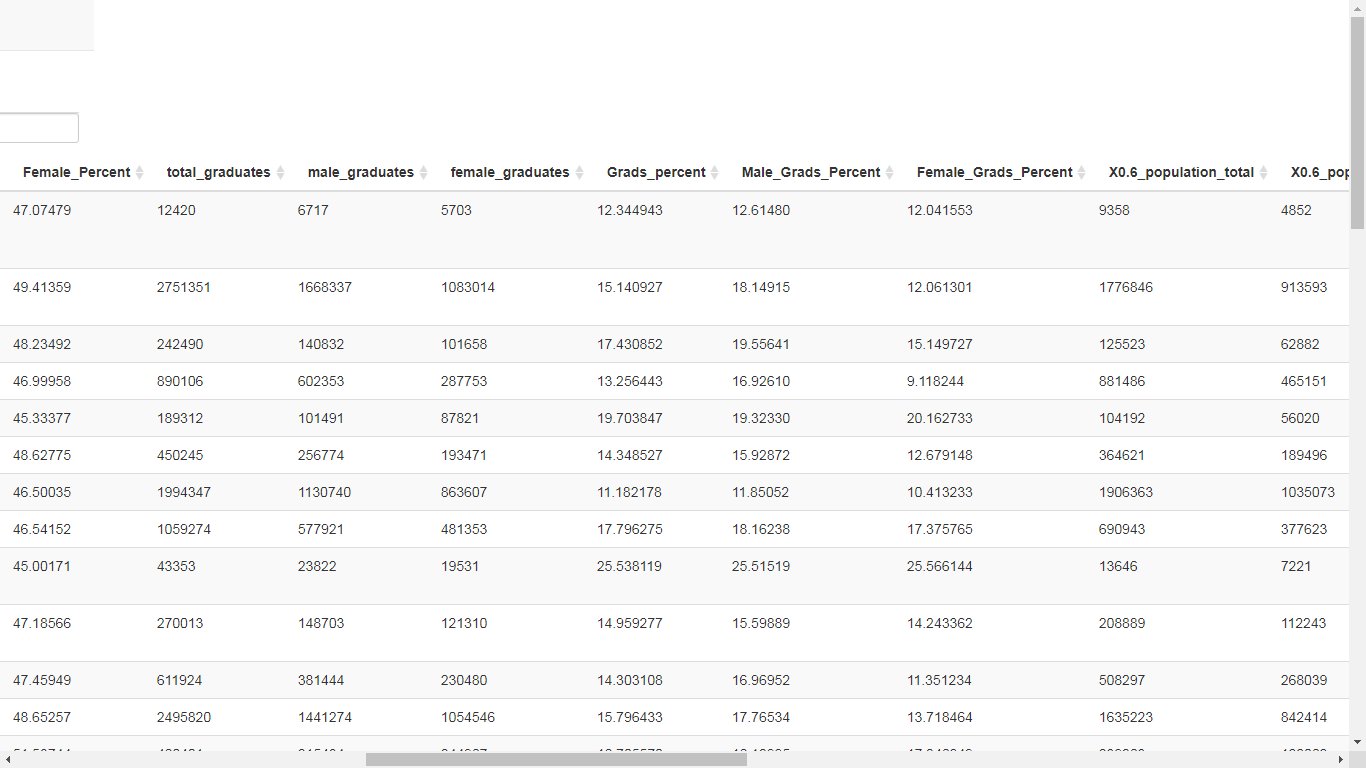


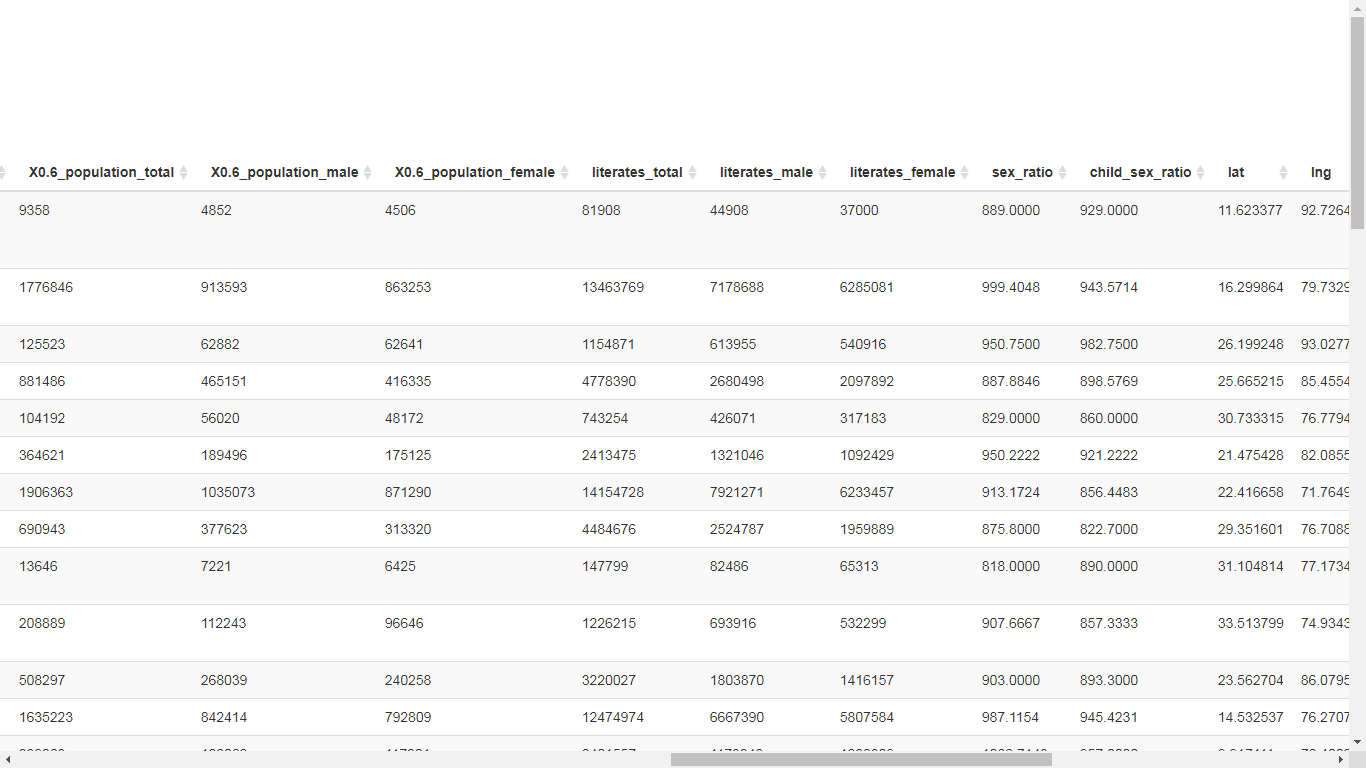
Note: There are multiple tree map as well. Different tree maps are displayed as you change the statistics for both cities and states.

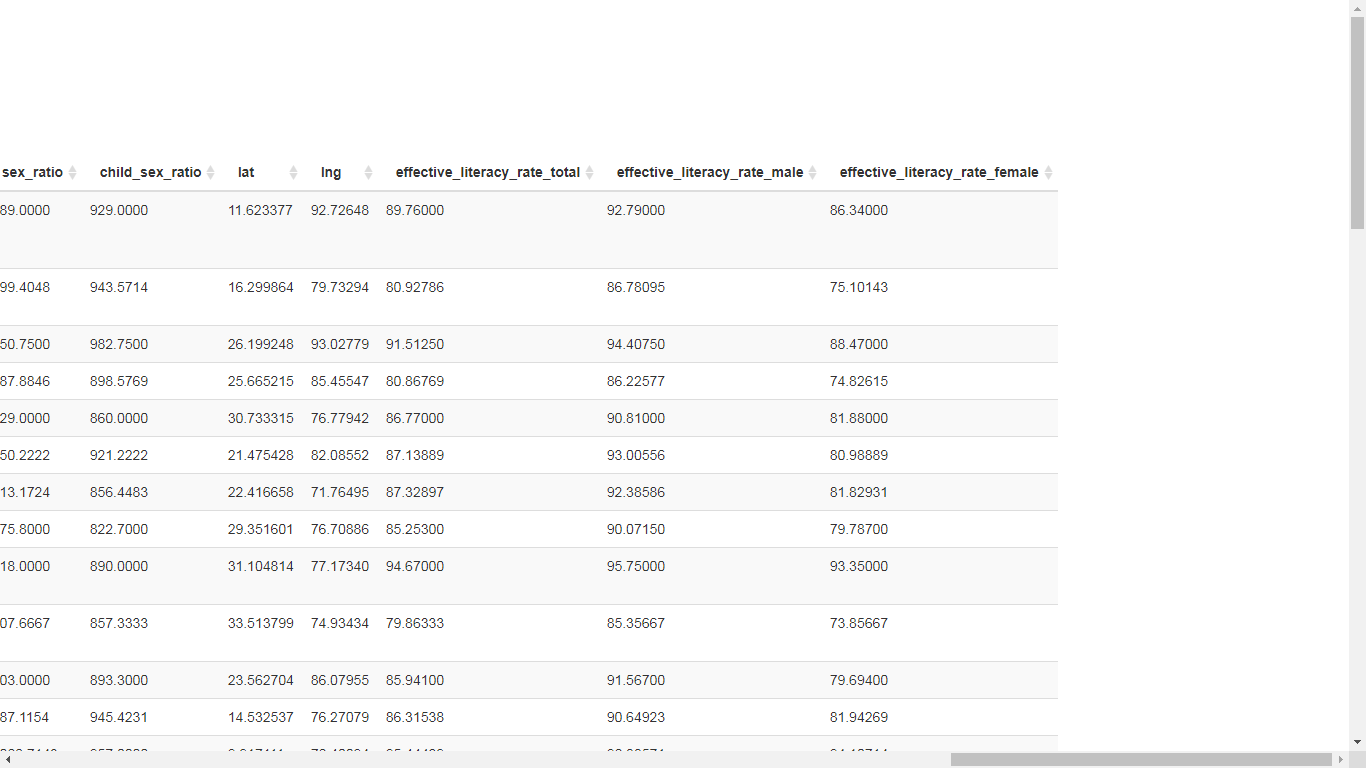
1. Data Grid:

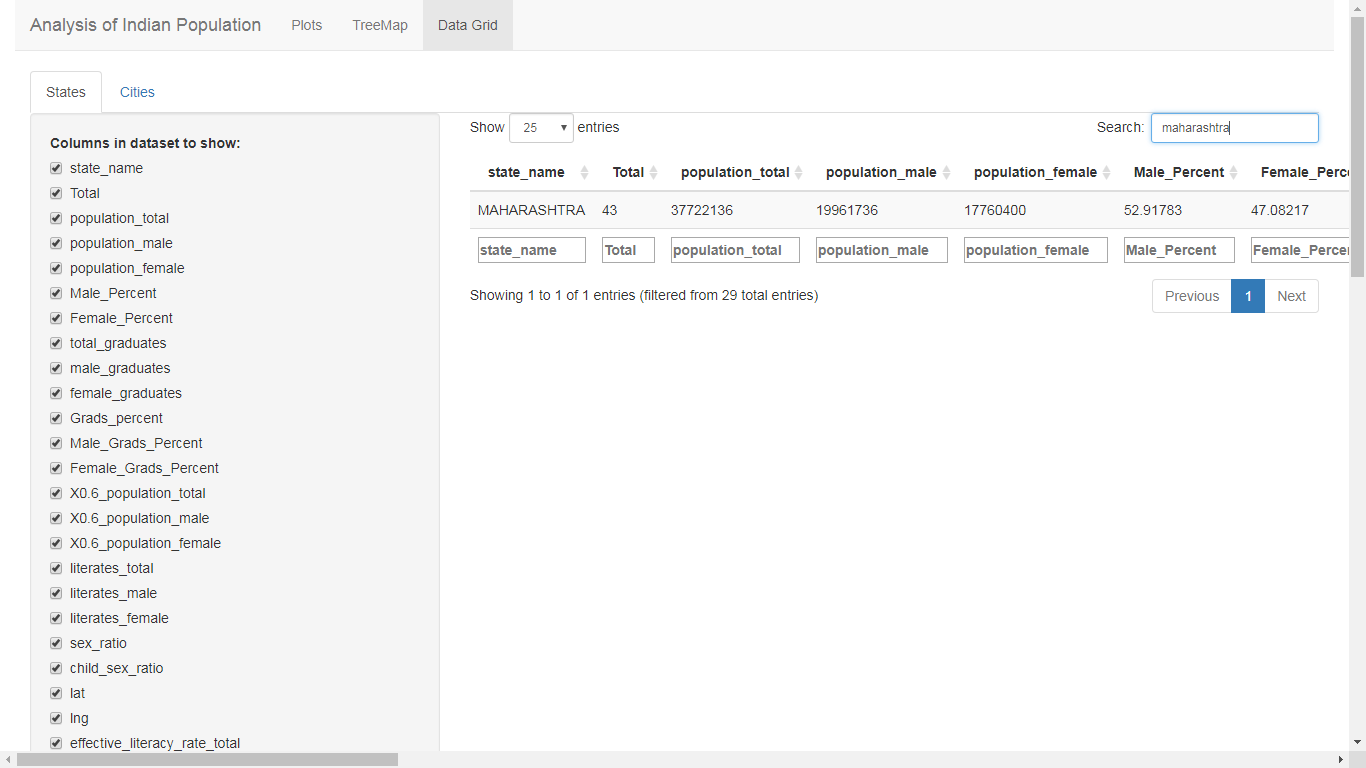
For States:











For Cities:

