DrugODVisualization

Setup

Data Manipulation

Initial Manipulation

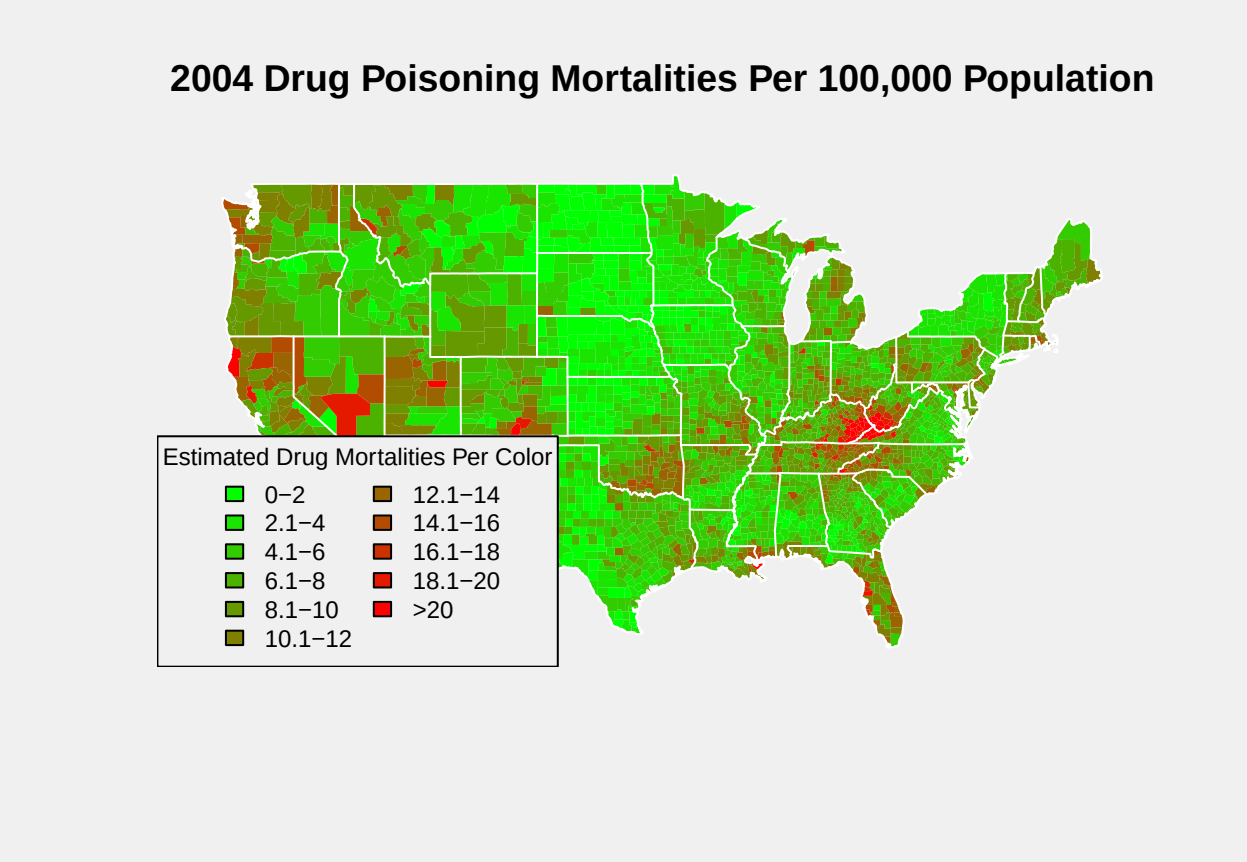
```
drugs <- read.csv("drugs.csv",stringsAsFactors = FALSE)
drugs$estimated <- drugs$Estimated.Age.adjusted.Death.Rate..11.Categories..in.ranges.
drugs$estimated <- ifelse(drugs$estimated=="0-2",1,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="2.1-4",2,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="4.1-6",3,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="6.1-8",4,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="8.1-10",5,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="10.1-12",6,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="12.1-14",7,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="14.1-16",8,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="16.1-18",9,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated=="18.1-20",10,drugs$estimated)
drugs$estimated <- ifelse(drugs$estimated==">20",11,drugs$estimated)
drugs$estimated <- as.numeric(drugs$estimated)
```

Subsetting

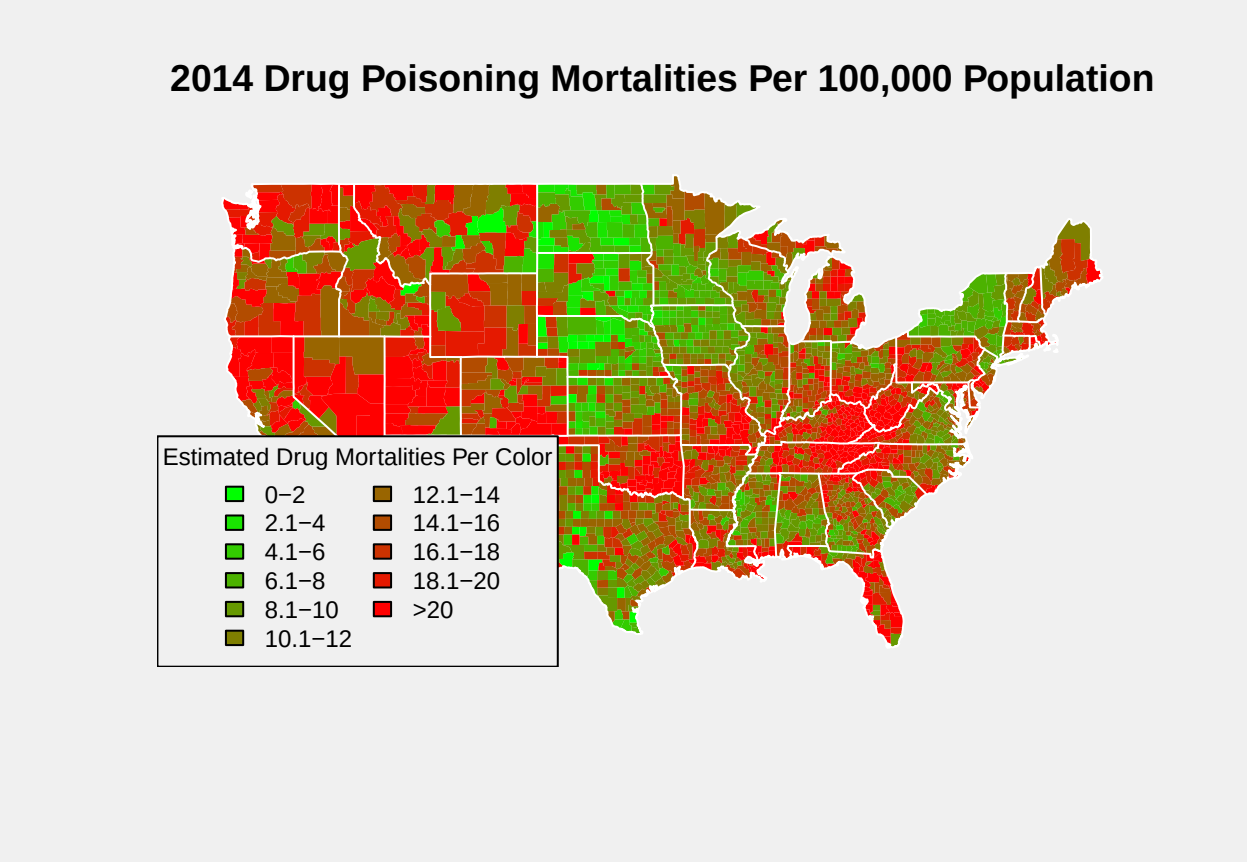
```
data("county.fips")
drugs2 <-merge(drugs,county.fips,by.x = "FIPS",by.y = "fips")

drugs2004 <- subset(drugs2, drugs2$Year==2004)
drugs2014 <- subset(drugs2, drugs2$Year==2014)
my.colors <- colorRampPalette(c("Green","Red"))(11)
my.colors2004 <- my.colors[drugs2004$estimated]
my.colors2014 <- my.colors[drugs2014$estimated]
```

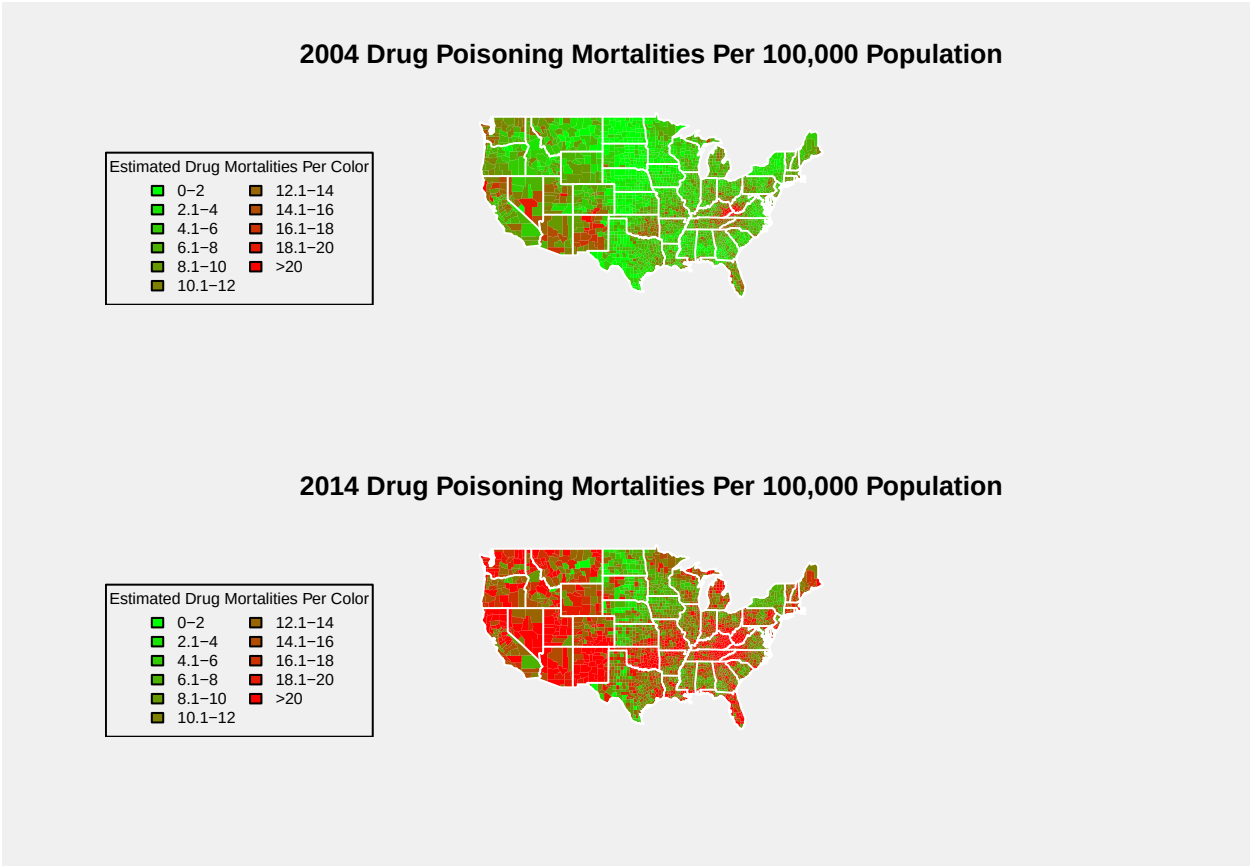
2004 Plot


2004 Drug Poisoning Mortalities Per 100,000 Population
Estimated Drug Mortalities Per Color
0−2
2.1−4
4.1−6
6.1−8
8.1−10
10.1−12
12.1−14
14.1−16
16.1−18
18.1−20
>20

2014 Plot


2014 Drug Poisoning Mortalities Per 100,000 Population
Estimated Drug Mortalities Per Color
0−2
2.1−4
4.1−6
6.1−8
8.1−10
10.1−12
12.1−14
14.1−16
16.1−18
18.1−20
>20

Side-by-Side


2004 Drug Poisoning Mortalities Per 100,000 Population
Estimated Drug Mortalities Per Color
0−2
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8.1−10
10.1−12
12.1−14
14.1−16
16.1−18
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2014 Drug Poisoning Mortalities Per 100,000 Population
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12.1−14
14.1−16
16.1−18
18.1−20
>20