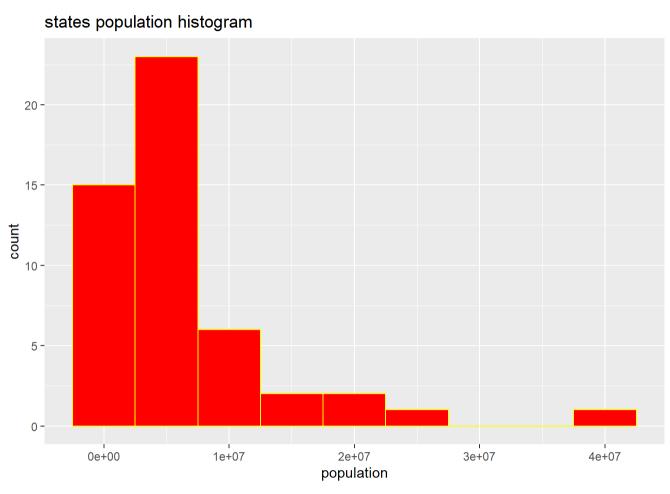
## using-ggplot2-example.R

```
Student 2021-07-28
```

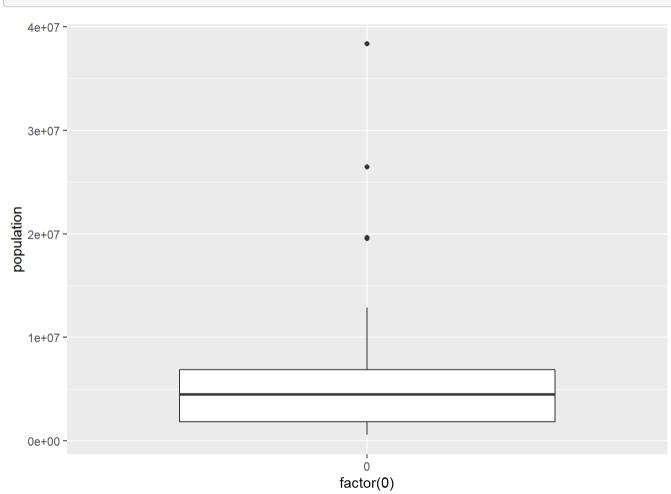
```
urlToRead<- "https://ist387.s3.us-east-2.amazonaws.com/lab/states.csv"
dfStates17<-read.csv(url(urlToRead))
# I put this here from the lab so it would knit without error
barplot(dfStates17$population, names.arg =dfStates17$state, las = 2)
library(ggplot2)</pre>
```

```
Alabama Arizona California Connecticut Florida Hawaiii Illinois Illinois Illinois Illinois Minnesota Minnesota Missouri Nebraska Hampshire lew Mexico th Carolina Ohio Oregon orede Island uth Dakota Texas Vermont Vashington Wisconsin
```

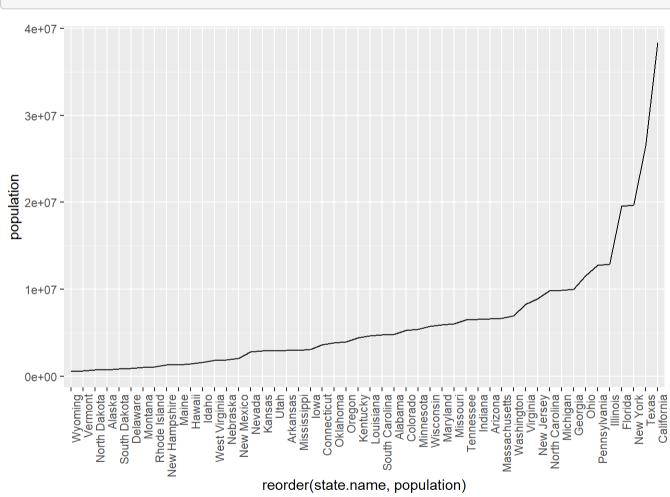
```
g<-ggplot(dfStates17,aes(x=population))
g<-g + geom_histogram(binwidth = 5000000, color = "yellow", fill = "red")
g<-g + ggtitle("states population histogram")
g</pre>
```







```
g2<-ggplot(dfStates17,aes(x=reorder(state.name,population),y=population,group=1))
g2<-g2 + geom_line()
g2<-g2 + theme(axis.text.x = element_text(angle = 90, hjust = 1))
g2</pre>
```



```
g3<-ggplot(dfStates17, aes(x=reorder(state.name, population), y=population, group=1))
g3<-g3 + geom_col(color="black", fill="white")
g3<-g3 + theme(axis.text.x = element_text(angle = 90, hjust = 1))
g3</pre>
```

