# Developing Data Products

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# Week 4 Course Project - Shiny Application

# Dataset

The USArrests dataset was used for this application. The dataset shows violent crime rates for each state in United States

```
# laod data
data("USArrests")

head(USArrests)
```

```
##            Murder Assault UrbanPop Rape
## Alabama      13.2     236       58 21.2
## Alaska       10.0     263       48 44.5
## Arizona       8.1     294       80 31.0
## Arkansas      8.8     190       50 19.5
## California    9.0     276       91 40.6
## Colorado      7.9     204       78 38.7
```

# Application

In this application, the user can select a type of crime and when the submit button is clicked, a map graph appears depicting the specific crime's arrest rates for each state.

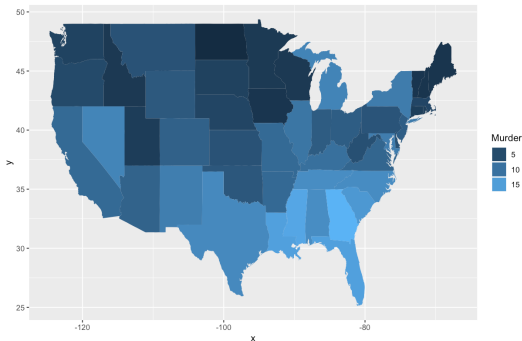An overview of the application can be seen below:

# Useful links

The link of the application and the source codes can be found below:

Application:

https://iopetrid.shinyapps.io/
DevelopingDataProducts-CourseProject-Week4/

Source Code:

https://github.com/iopetrid/DevelopingDataProducts/tree/
master/Course%20Project%203