Quick Report on Gun Murders: an edited copy of the work by Rafael Irizarry

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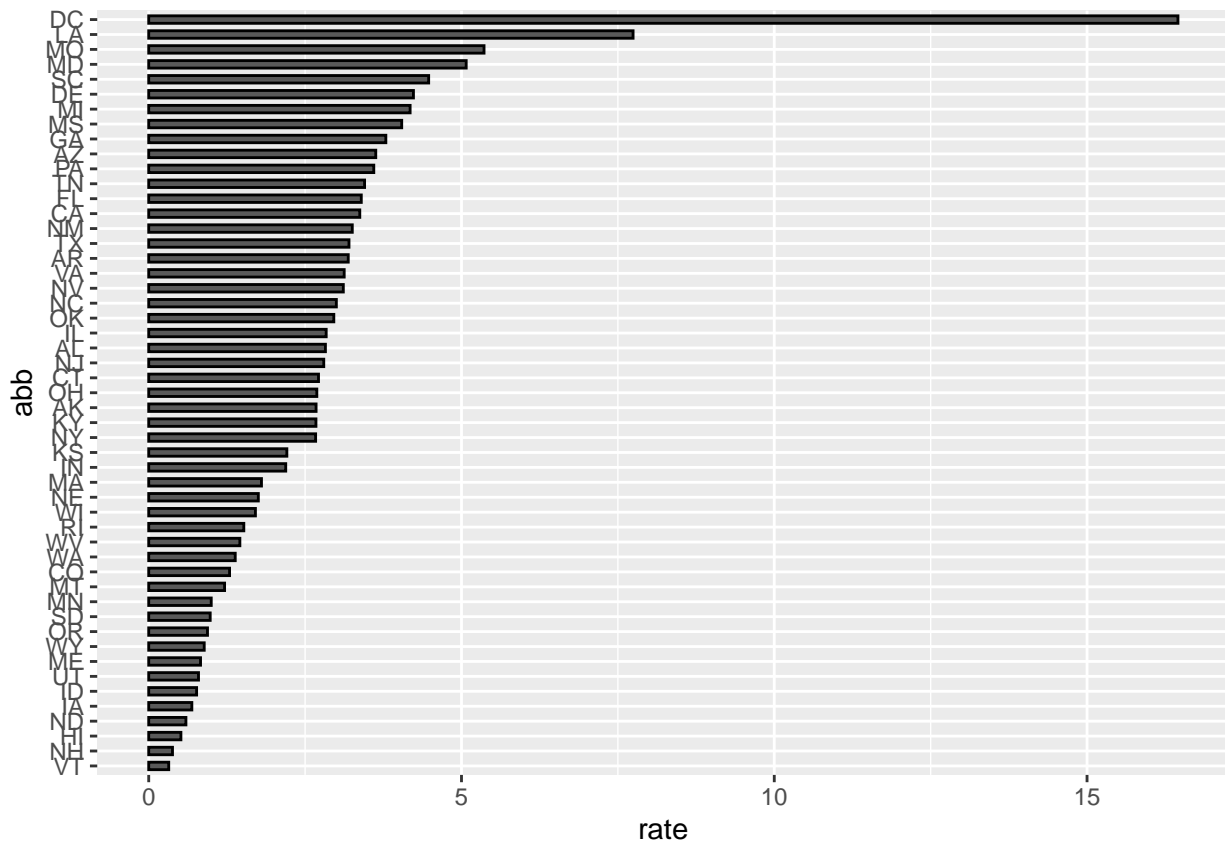
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Introduction

This is a quick report on 2010 gun murder rates obtained from FBI reports. The original data was obtained from this Wikipedia page. I have added a few things to the original project by Rafael Irizarry. This is part of my learning in the "Harvardx: Professional Certificate in Data Science" mooc.

I am using the following R libraries: tidyverse, ggplot, ggrepel, ggthemes, & dplyr.

Load the wrangled data from rda/murders.rda

Murder rate by state per 100,000 in population.

Note the large state to state variability by generating a barplot showing the gun murder rate by state:

US Gun Murders 2010 average rate per million.

I compute the average murder rate per million in population.

```
## [1] 30.34555
```

Visualize the data

A color coordinated graph of each state compared to the average gun murder rate in log scale.