Analysis of Jail Deaths in America

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Background

- Data obtained from public datasets on GitHub
- U.S. Government does NOT release jail by jail mortality rates
- Public kept in dark about death rates
- Reuters releasing data to public

Logistics

- Jail data from 2008-2019
- 523 Total Jails
- 10 largest jails in each state
- Each jail with at least 750 inmates
- Total 7,571 total deaths recorded

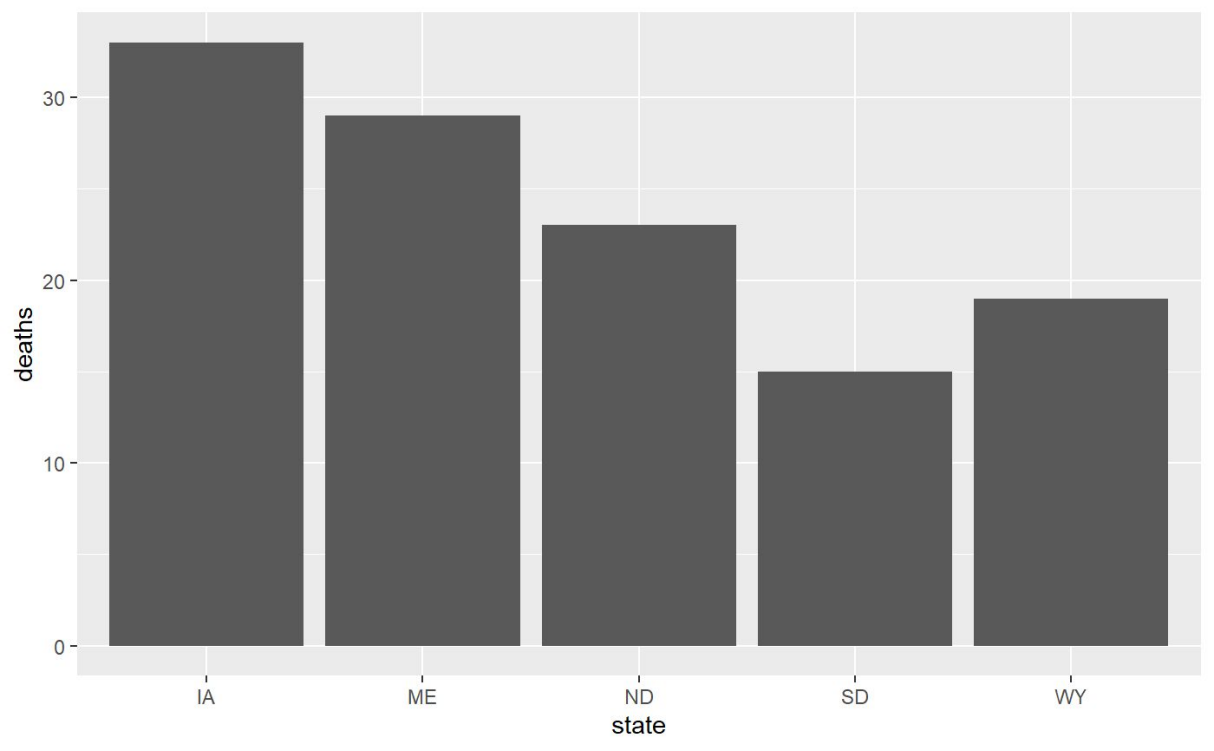
Questions

- States with highest mortality rate?
- States with lowest mortality rate?
- Leading cause of deaths?
- Trend in mortality rates

Cleaning

- Lots of bloat
- Excessive columns
- Many empty columns and rows
- Filtering, arranging, condensing the data

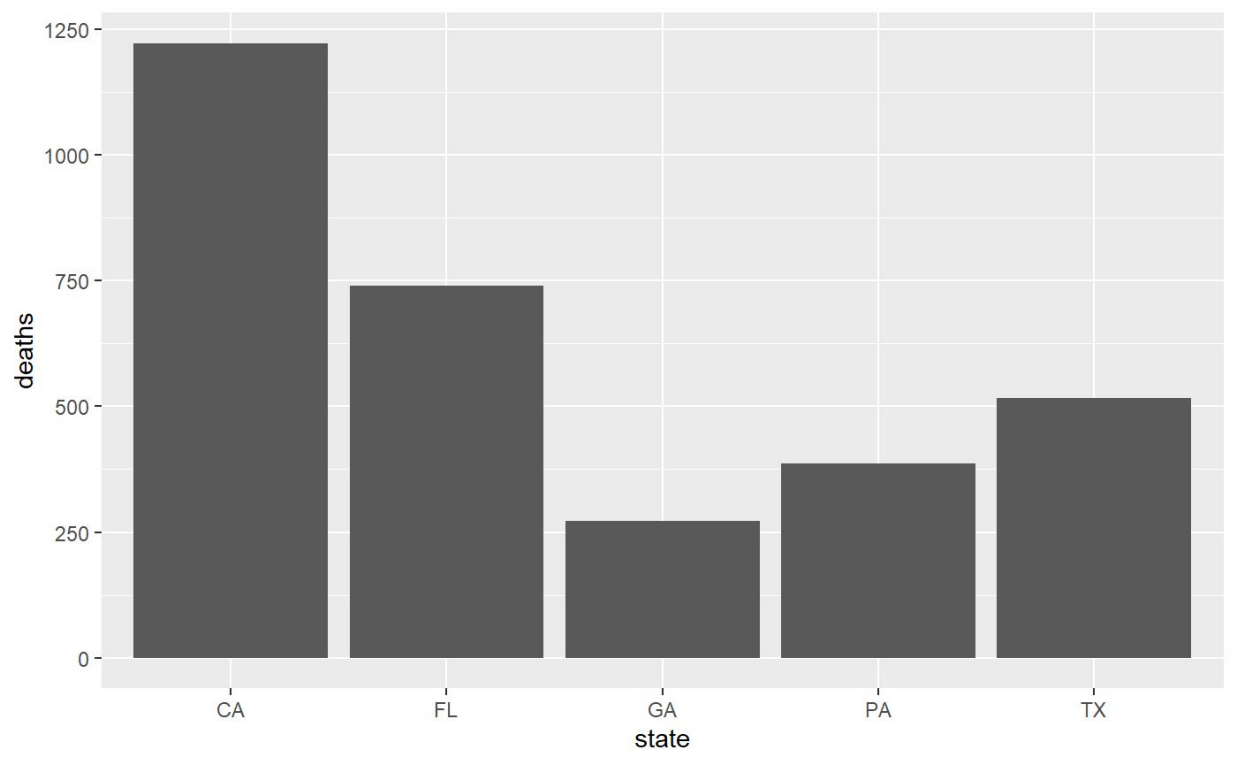
States with 5 lowest total deaths



States with 5 lowest number of jails:

1. D.C
2. Colorado
3. Arkansas
4. Iowa
5. Idaho

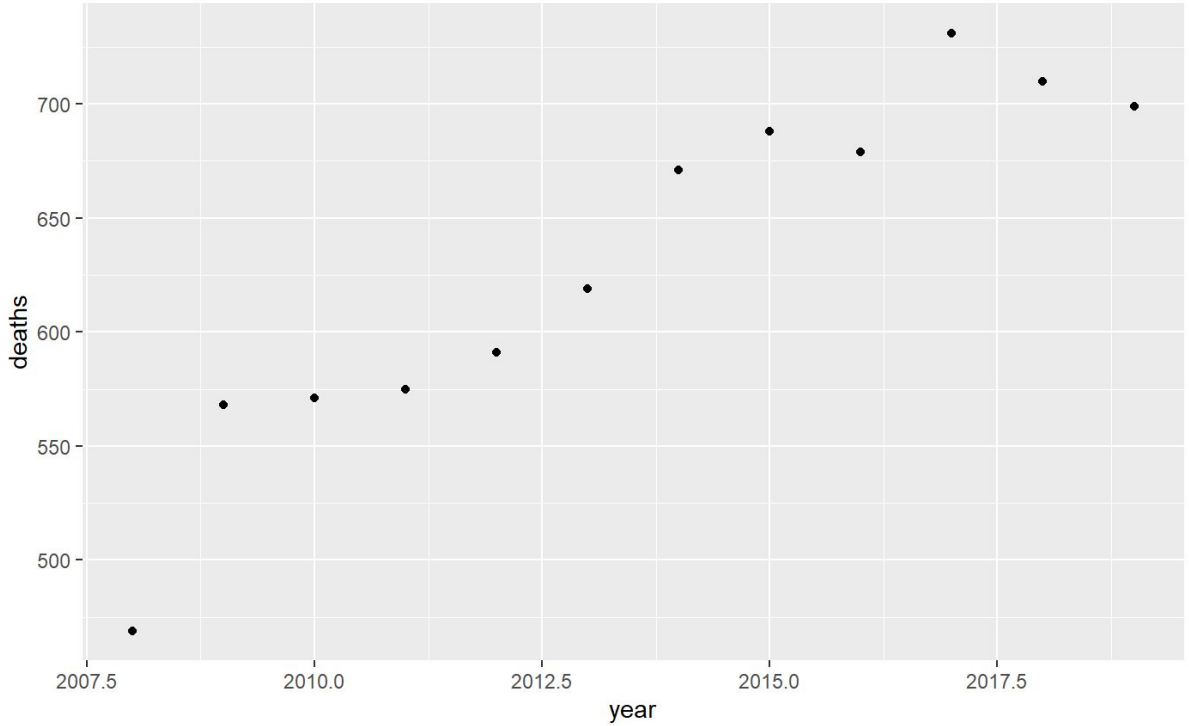
States with 5 highest total deaths



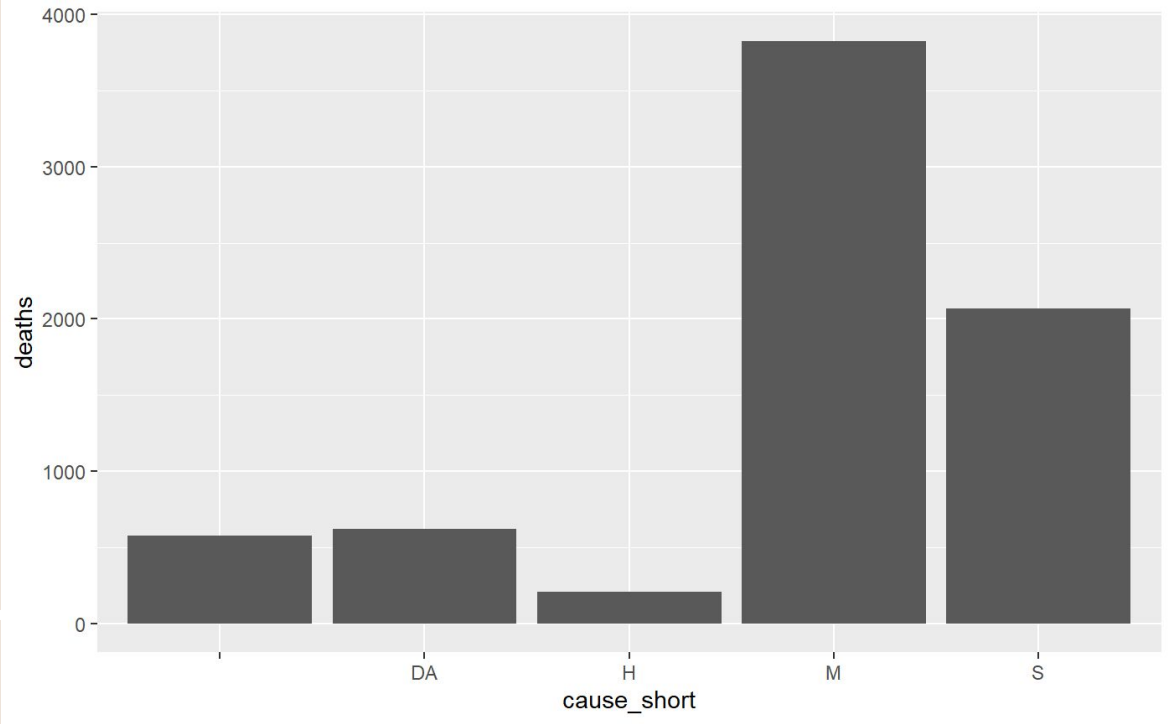
States with 5 highest number of jails:

1. California
2. Florida
3. Texas
4. Alabama
5. Arkansas

Trend in total deaths by year



5 leading causes of death



1. Medical
2. Suicide
3. Drug/Alcohol
4. Unexplained
5. Homicide

Unexplored Questions

- Cause of strong positive trend in mortality rates?
- Correlation between age, gender, and cause of death?
- Prediction of mortality rates in the future?