

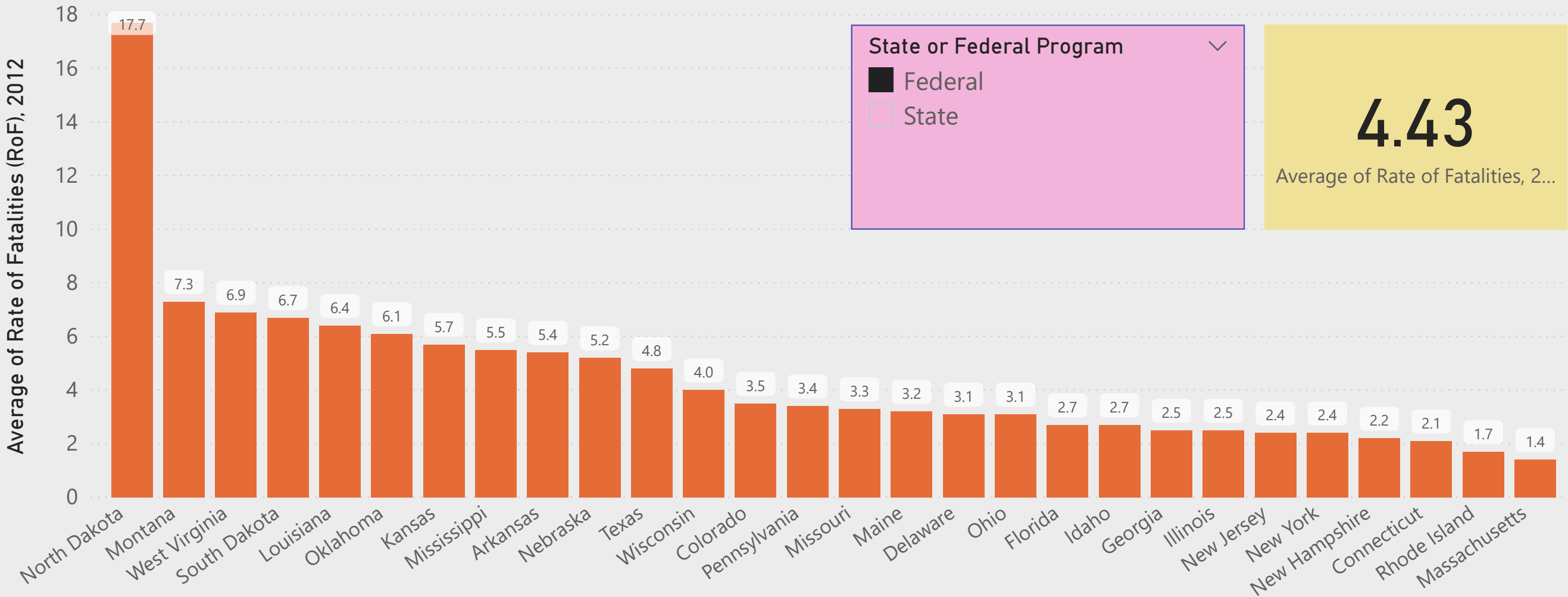
Variables in the distribution of Rate of Fatalities in 2012 by State with Federal / State inspection programs

- 1. Rate of Fatalities (RoF)
- 2. Workers' Population
- 3. Adequacy of Federal / State program
- 4. Federal / State program gaps in implementation
- 5. Number of Workplaces where Federal / State program implemented

314M

US Population i...

Rate of Fatalities (RoF) in 2012 by State with Federal/State Inspection Programs



State or Federal Program



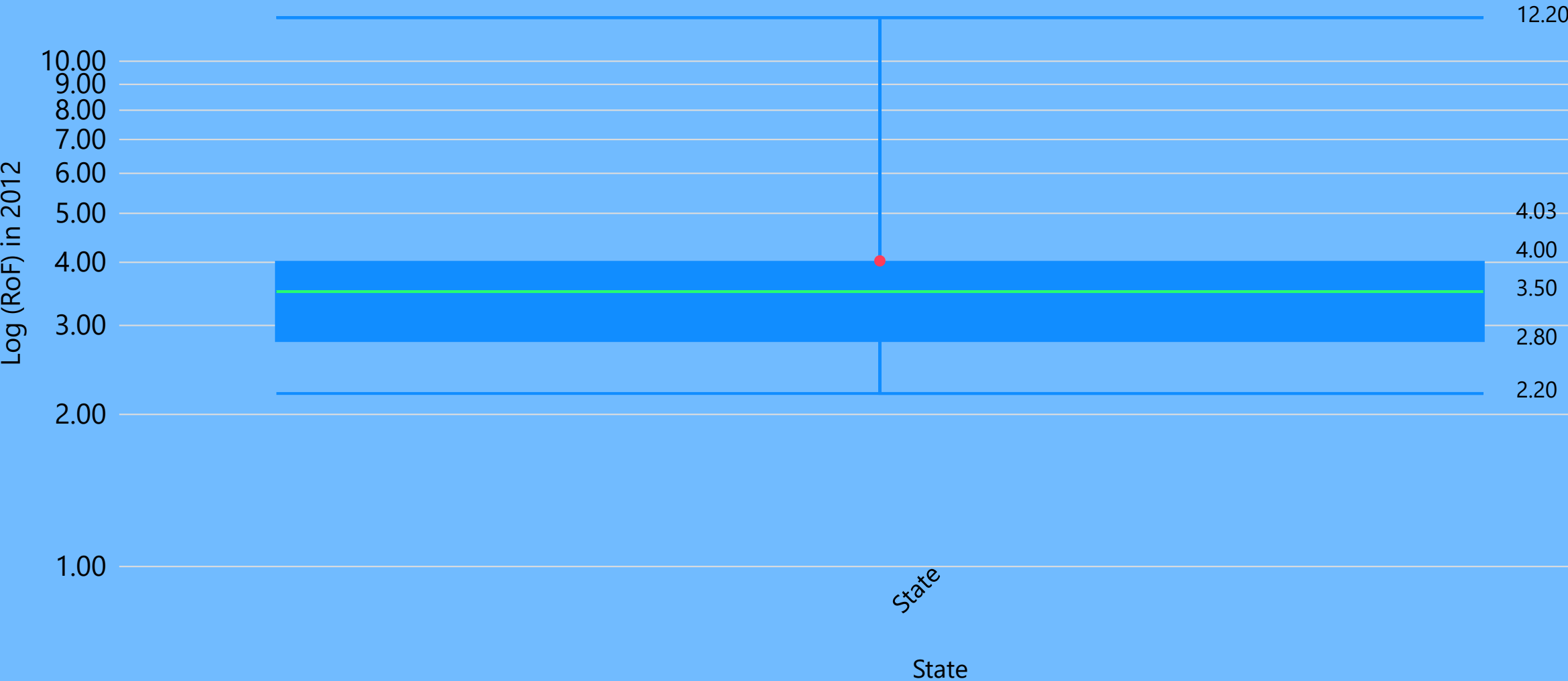
Federal

State

4.03

Average of Rate of Fatalities (RoF), 2012

Box and Whisker Plot - RoF in 2012 varies by States



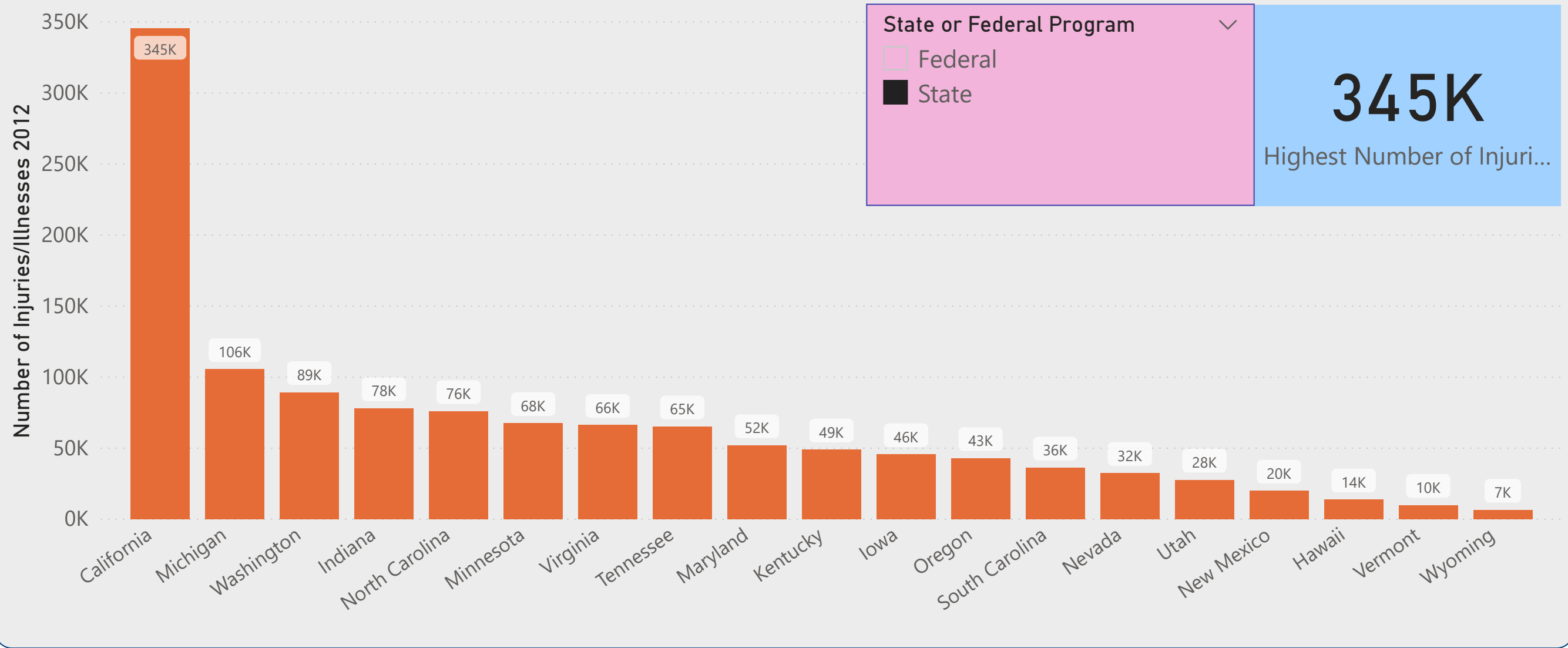
Variables affecting the distribution of number of injuries/illnesses within the States

- 1. Workers Population in the State
- 2. Adequacy of Federal / State program
- 3. Federal / State program Gaps in implementation
- 4. No of Workplaces where Federal / State program implemented
- 5. Adequate safety measures - occupational safety and process safety

314M

US Population in 2012

Highest Number of Injuries/illnesses in 2012 by State



- 1. Average of Years to Inspect Each Workplace once = Inspection on Demand (IOD) in Years
- 2. Trend line moves uphill from left to right - positive correlation between IOD and RoF
- 3. When IOD in a State is high - RoF also in the State is high
- 4. Using trend line, RoF and IOD can be predicted most accurately
- 5.Variables affecting IOD - a) No of Workplaces, b)No. of dedicated Federal / State Inspectors, c) Time to complete inspection in a workplace d) Future Improvements in the Workplace

123.88

Average IOD in Years Per State

Average of Years to Inspect Each Workplace Once (Inspection on Demand - IOD) Vs Average of Rate of Fatalities (RoF), 2012 by State



# Fatal Occupational Injuries, by Major Events in 2012

