

## Create a Tableau Story

### Summary:

This project visualizes the top 7 states in the US ranked by the highest violent crime rate per population and compares it with the top 10 states grouped individually with high population of one of Races, namely – Asian, Hispanic, Black and White.

### Design:

Data Source: <http://archive.ics.uci.edu/ml/datasets/communities+and+crime+unnormalized>

Data Description: This crime dataset was formed by combining socio-economic data from the '90 Census, law enforcement data from the 1990 Law Enforcement Management and Admin Stats survey, and crime data from the 1995 FBI UCR.

Data Cleaning: Initial cleaning of this data to remove null values and any discrepancies before visualizing it was performed with R. Using R, aggregated required data was exported from the original data set.

Data Visualization version 1 : <https://public.tableau.com/profile/madhu2109#!/vizhome/Crime-Version1/Story1?publish=yes>

Feedback 1: Visualization is understandable. However, the last story point is merely the collage of the first two story points. It would have been better for the text in the story to make sense with the bars on the races plot. In other words, it will be much clear only to show the state that matches with the crime state.

By: Malavika Muralidharan

After inputting feedback 1,

Data Visualization version 2: <https://public.tableau.com/profile/madhu2109#!/vizhome/Crime-Version2/Story1?publish=yes>

Feedback 2: Looks good. I would suggest making the X and Y label name changes. Also adding another slide for summary to quickly end the story with major takeaways from the visualization will make it completer and more presentable.

By: Suganya Sankar

After inputting feedback 2,

Data visualization version 3: <https://public.tableau.com/profile/madhu2109#!/vizhome/Crime-Version3/Story1?publish=yes>

Feedback 3: Great work. If this is a geographic dataset, I would be better off looking at map because looking at a state on a map will get into my head quickly then looking at bars with state names below.

By: Pradhyo Bijja

After inputting feedback 3, The final data visualization is,

Final version: <https://public.tableau.com/profile/madhu2109#!/vizhome/Crime-Version4Mapversion/Story1?publish=yes>

Resources:

<http://archive.ics.uci.edu/ml/datasets/communities+and+crime+unnormalized>

<https://github.com/buswedg/Udacity/tree/master/Data%20Analyst%20Nanodegree/P6%20Make%20Effective%20Data%20Visualization>

<https://github.com/zelite/Make-Effective-Data-Visualization>