

CAPSTONE PROJECT REPORT

PHASE 2

STATE/UT WISE ANALYSIS
ON CRIMES IN INDIA

ABOUT THIS ANALYSIS!



WE HAVE ALREADY DONE ONE HALF OUR ANALYSIS FOR PHASE 2 OF THE CAPSTONE USING PYTHON. WE WILL BE PROCEEDING AHEAD WITH OUR ANALYSIS NOW USING A VERY FAMOUS AND EASY TO USE TOOL KNOWN AS TABLEAU. TABLEAU IS A TOOL THAT IS USED TO MAKE EASY TO UNDERSTAND VISUALISATIONS OF DATA. THIS IS USED BY MULTIPLE PEOPLE WORKING IN THE DOMAIN OF DATA. VISUAL ANALYSIS ACHIEVED USING TABLEAU ARE EXTREMELY PREVALENT IN MEETINGS INVOLVING STAKEHOLDERS. IN THIS PARTICULAR DOCUMENT I WILL BE SHARING MULTIPLE ANALYSIS I HAVE COMPLETED THAT WERE GIVEN TO ME USING TABLEAU.



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- 01
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- 05
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Population State Wise

Literacy Rate State Wise

Area State Wise

Analysis State/Crimes

Analysis State/Year

Literacy Rate Vs Total Crimes

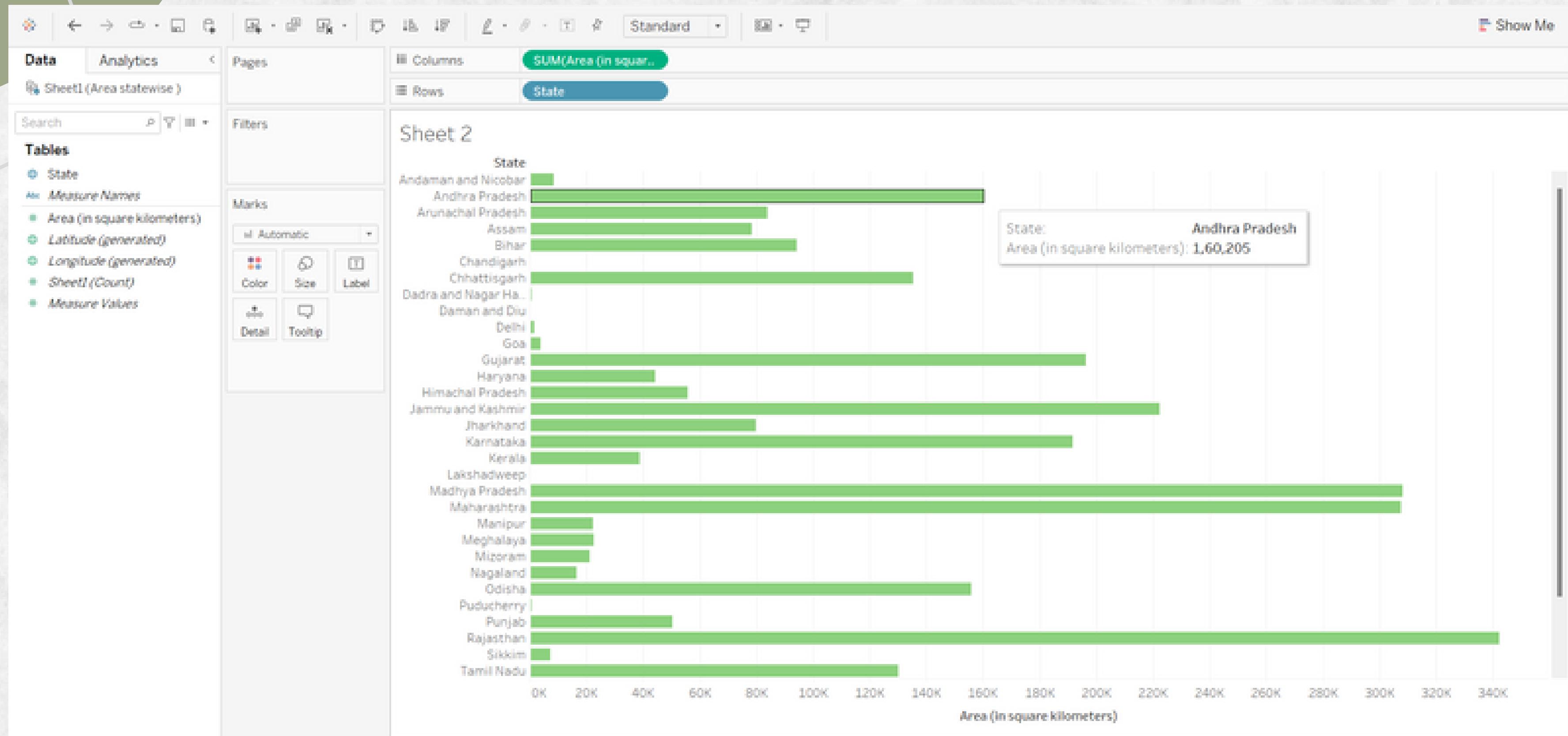


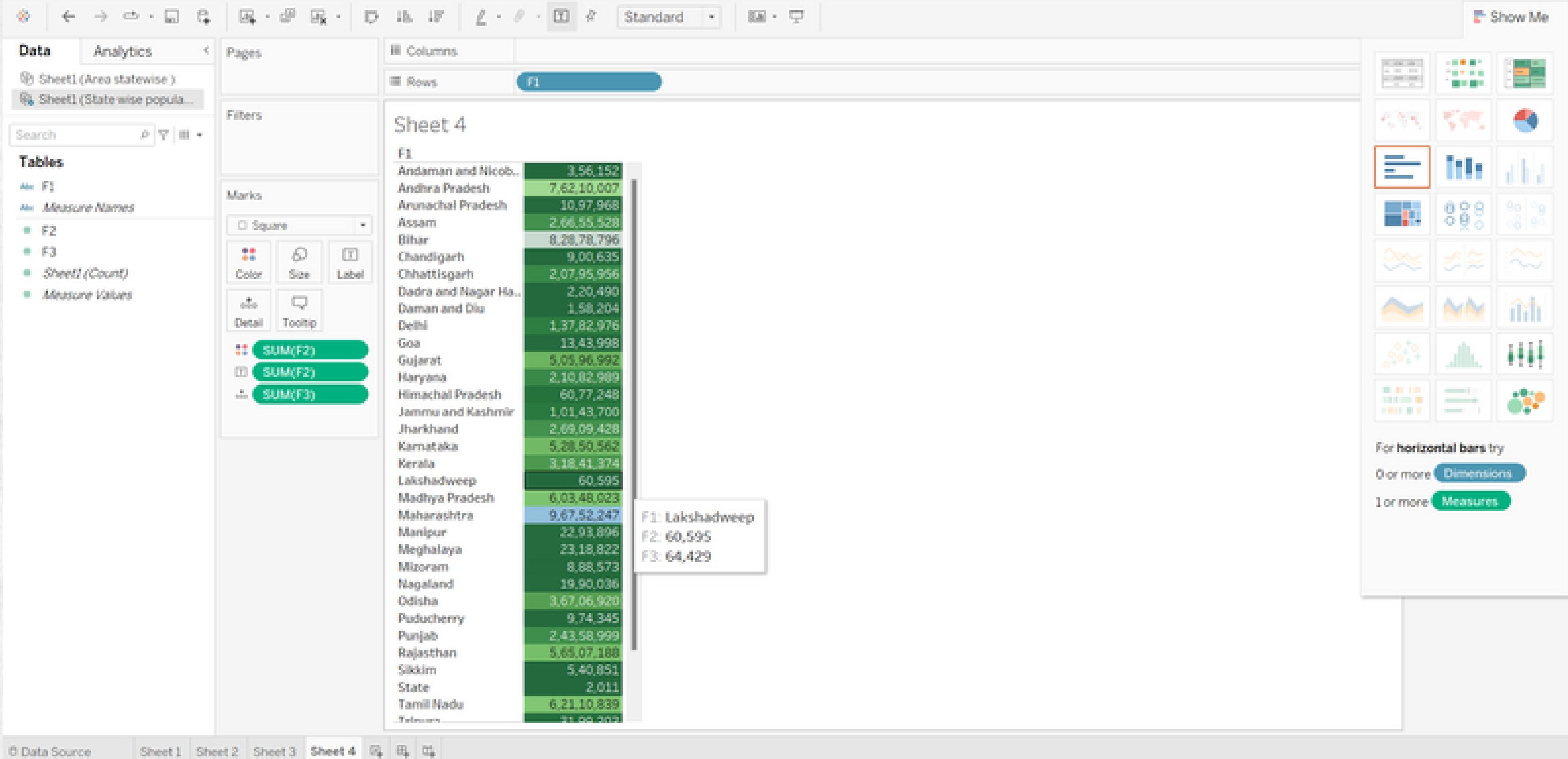
CONTENT

- 07 Crime Rate Per Year
- 08 Area Wise Vs Total Crimes
- 09 Population Vs Total Crimes
- 10 Analysis of Crime Type For Each State
- 11 Analysis of All Parameters Together
- 12 Literacy Rate Vs Total Crimes

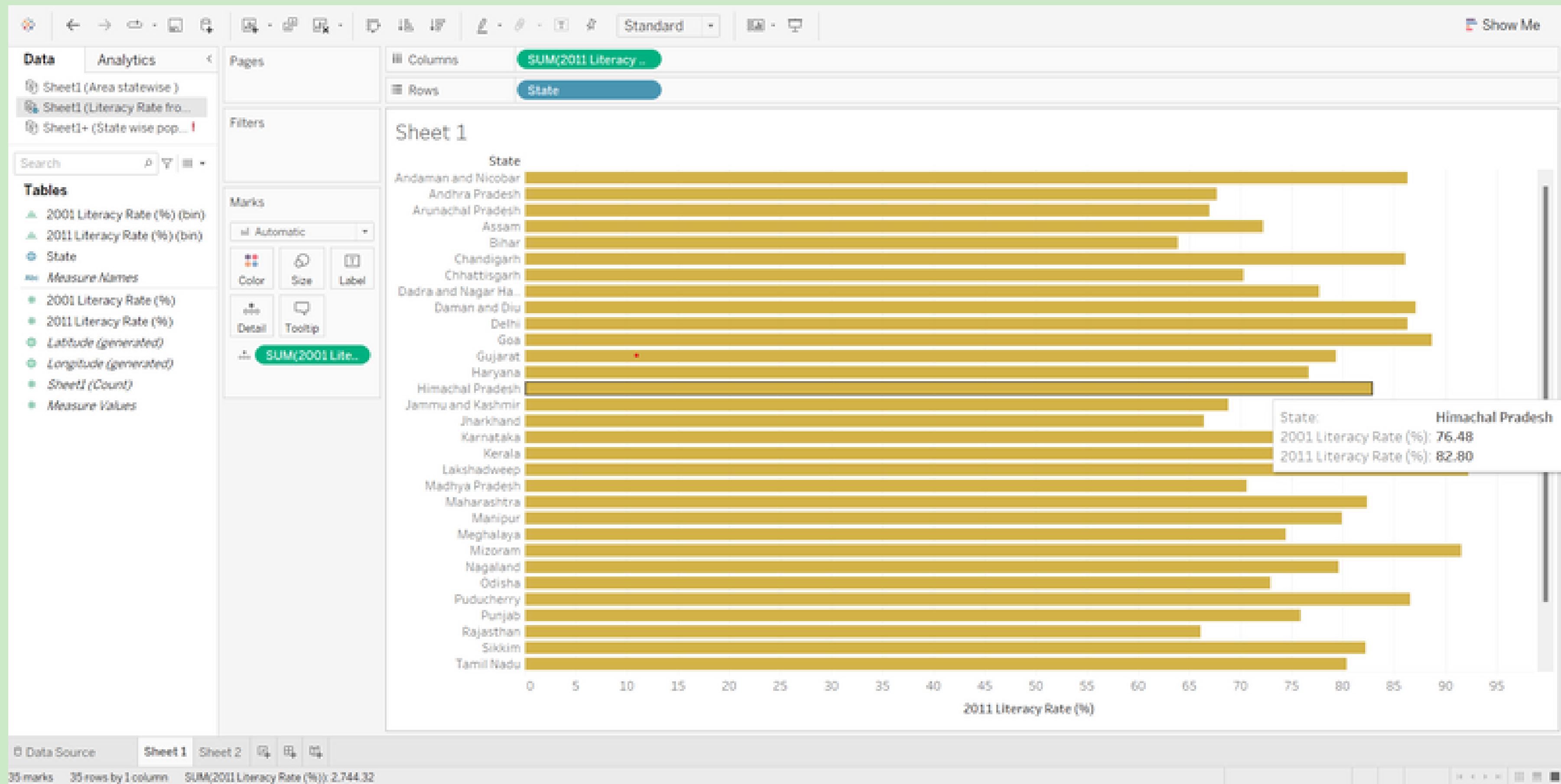


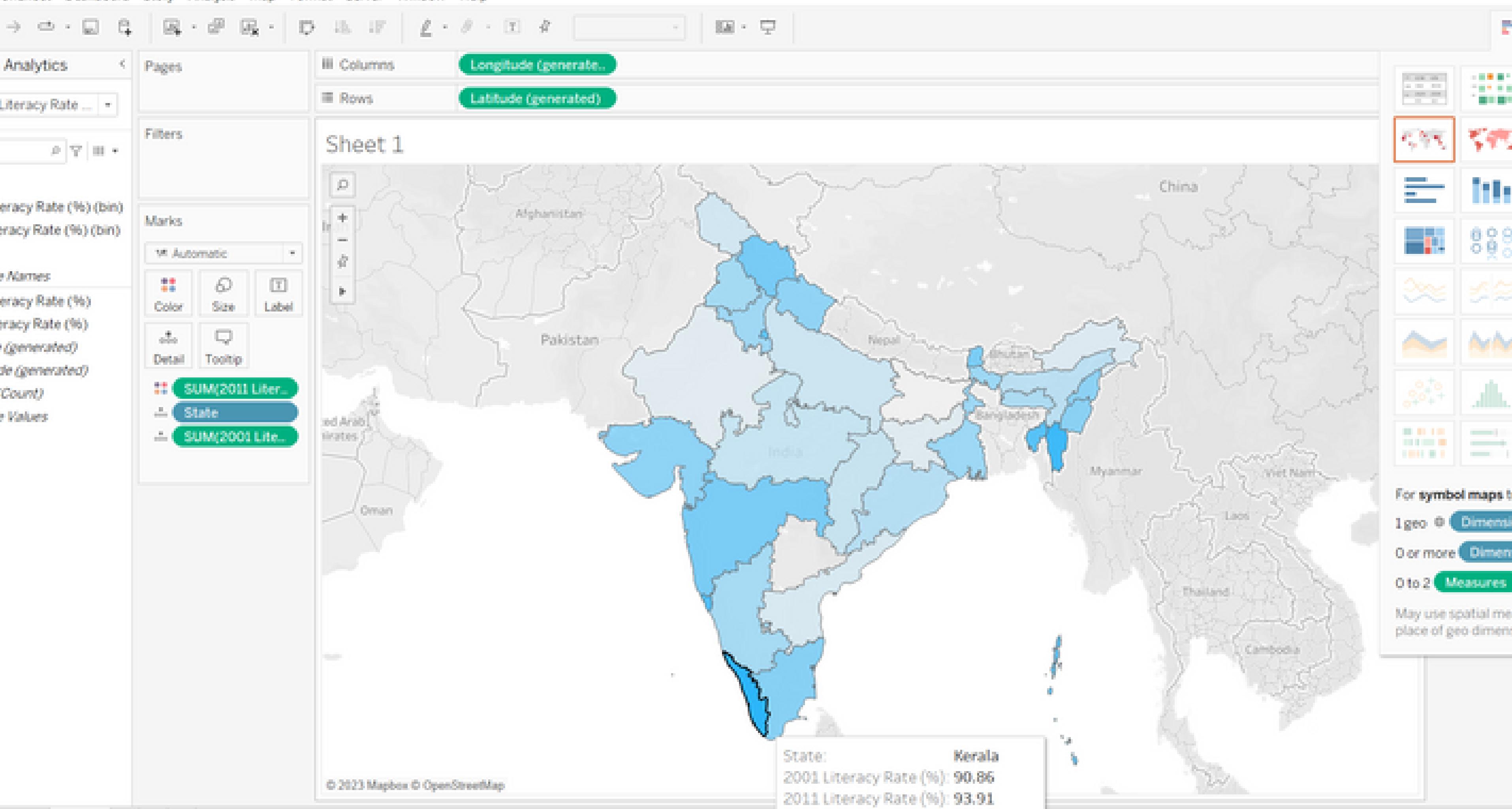
1. POPULATION STATE WISE



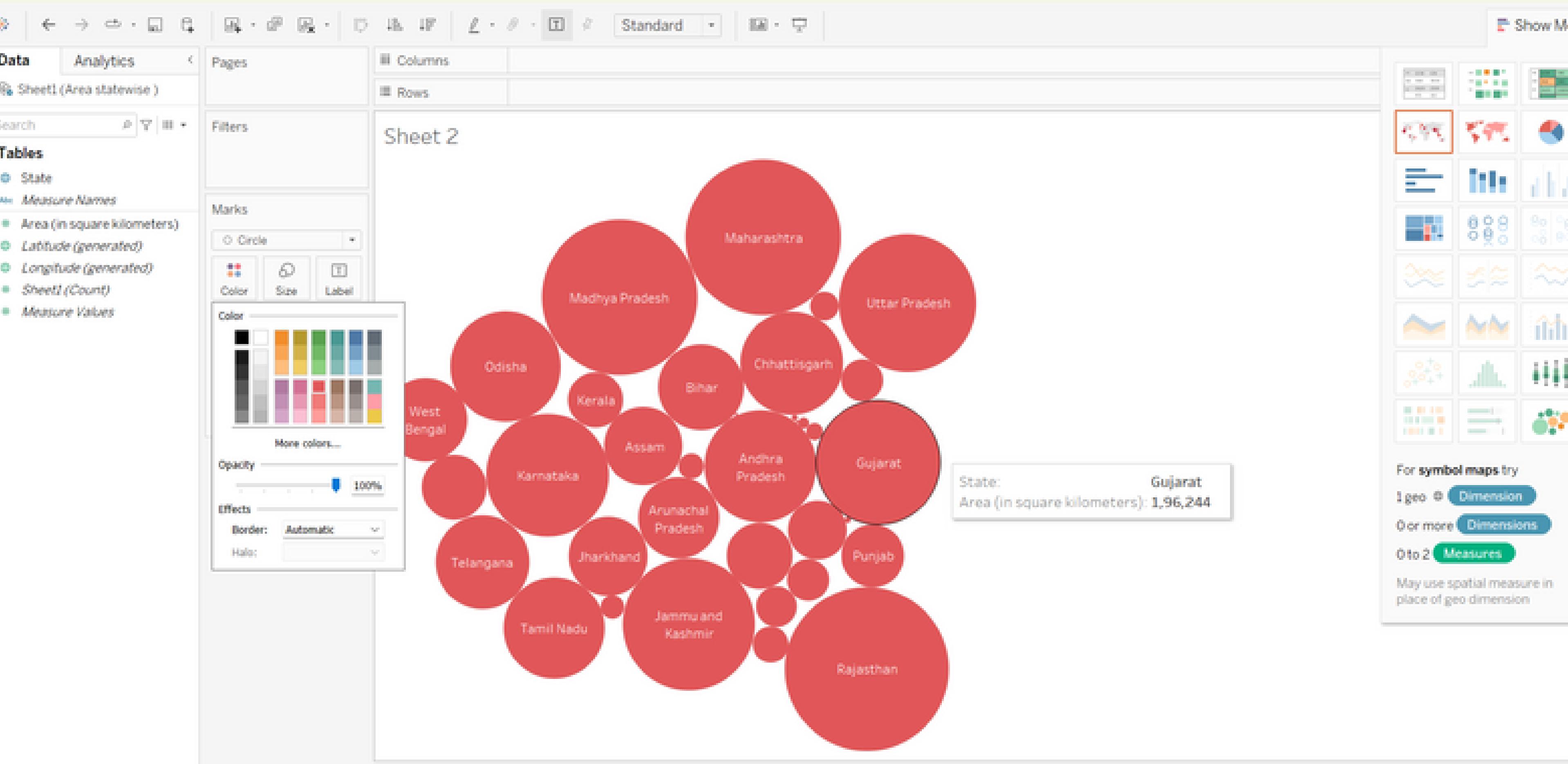


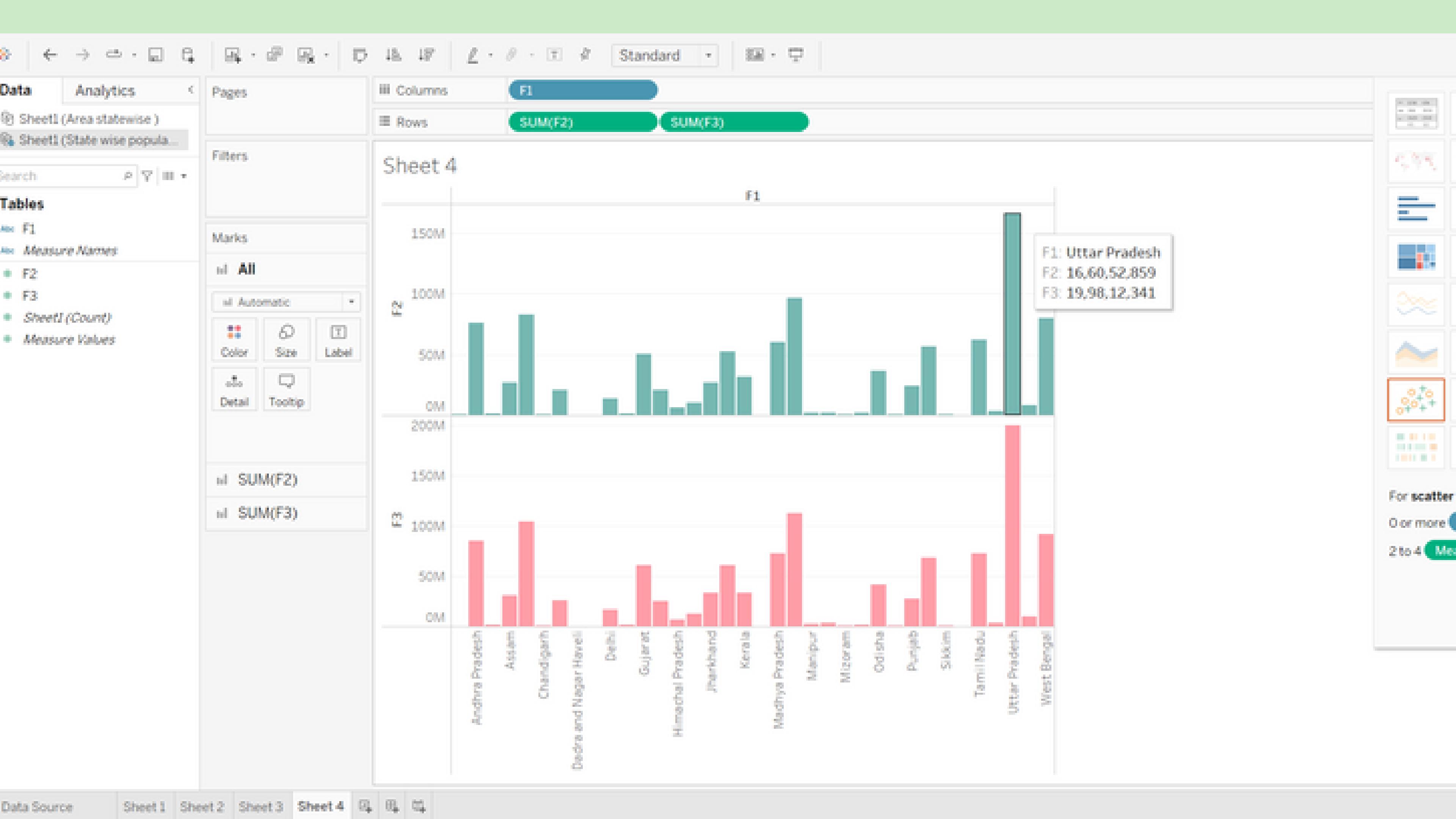
2. LITERACY RATE STATE WISE

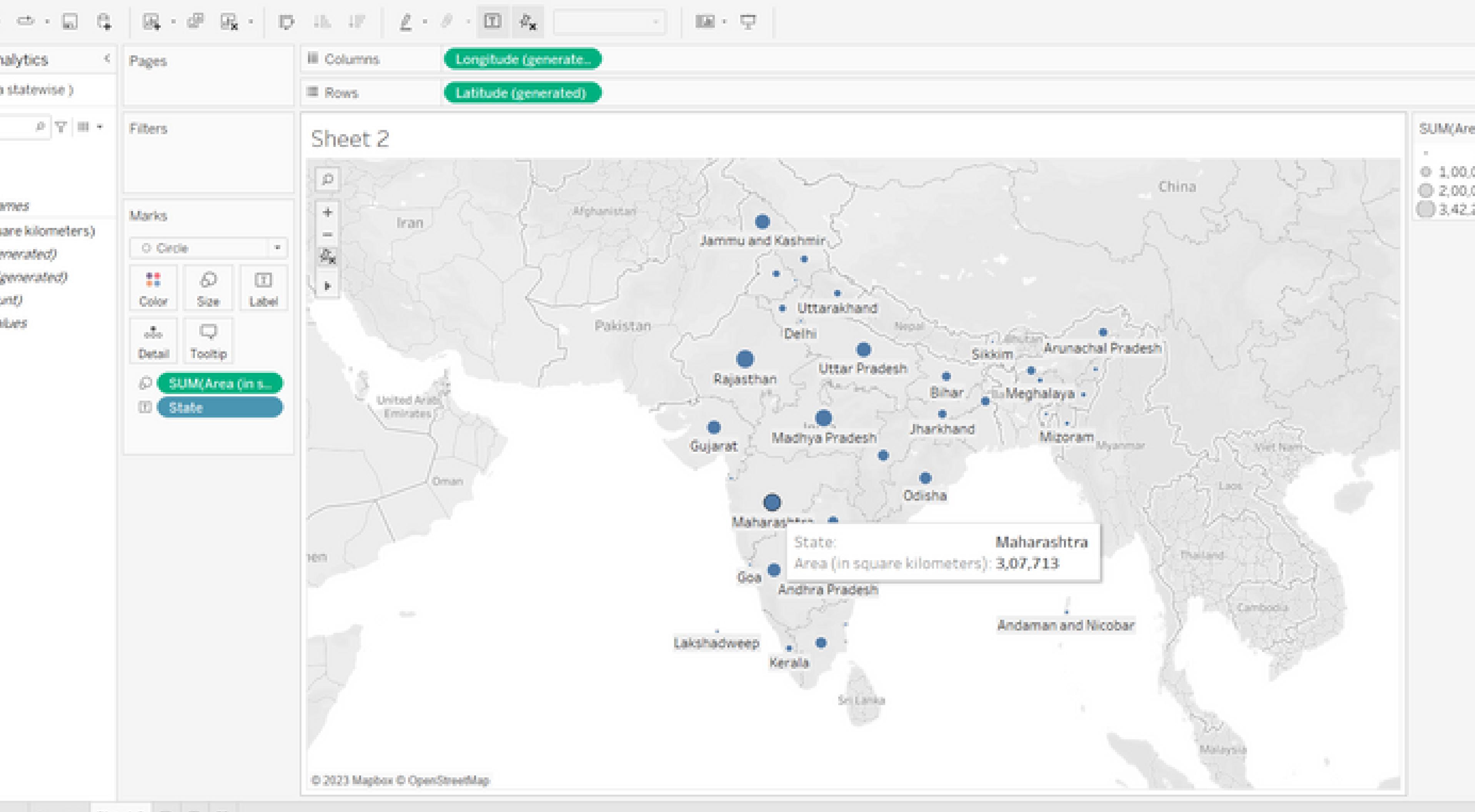




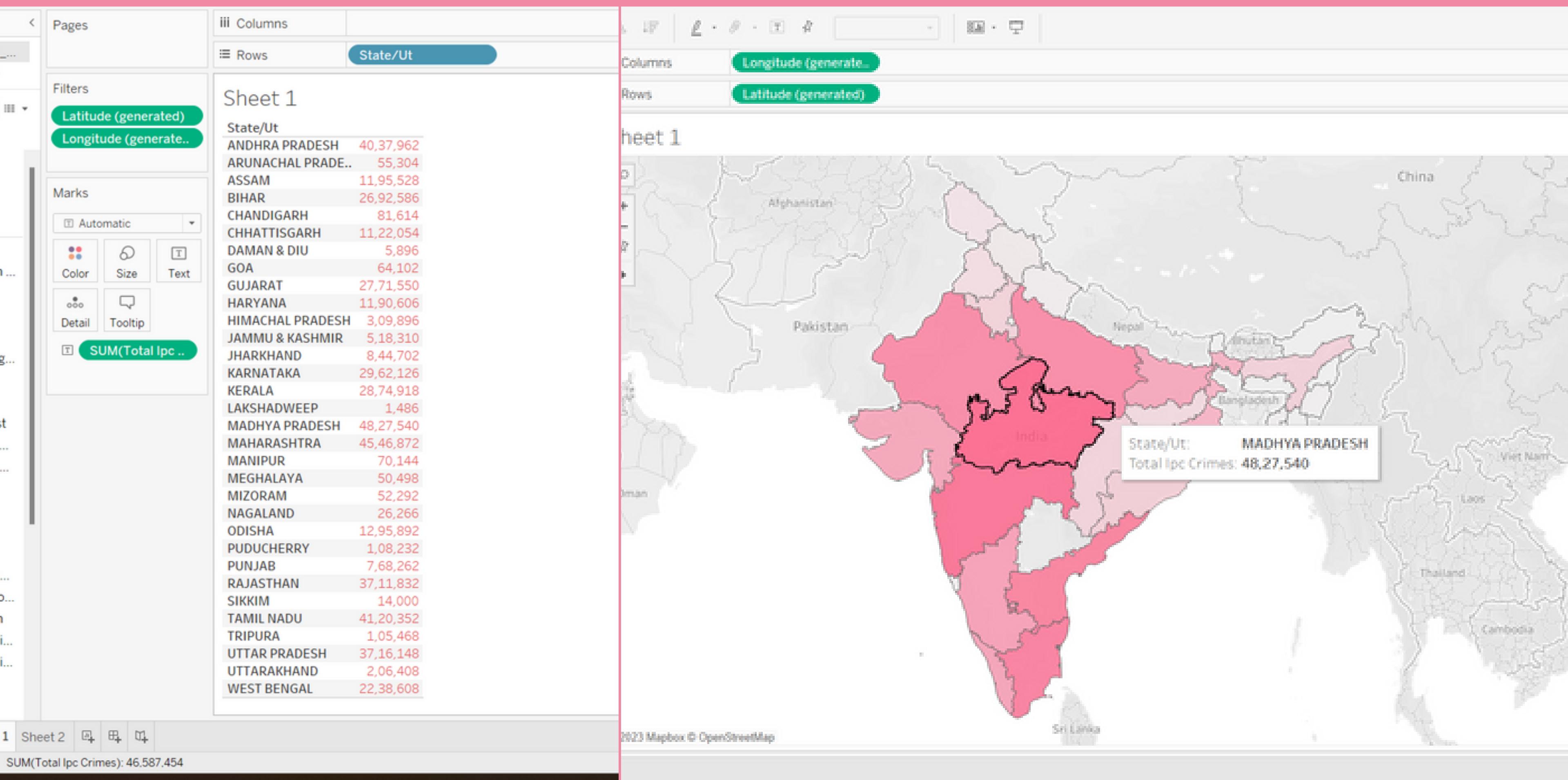
3. AREA STATE WISE

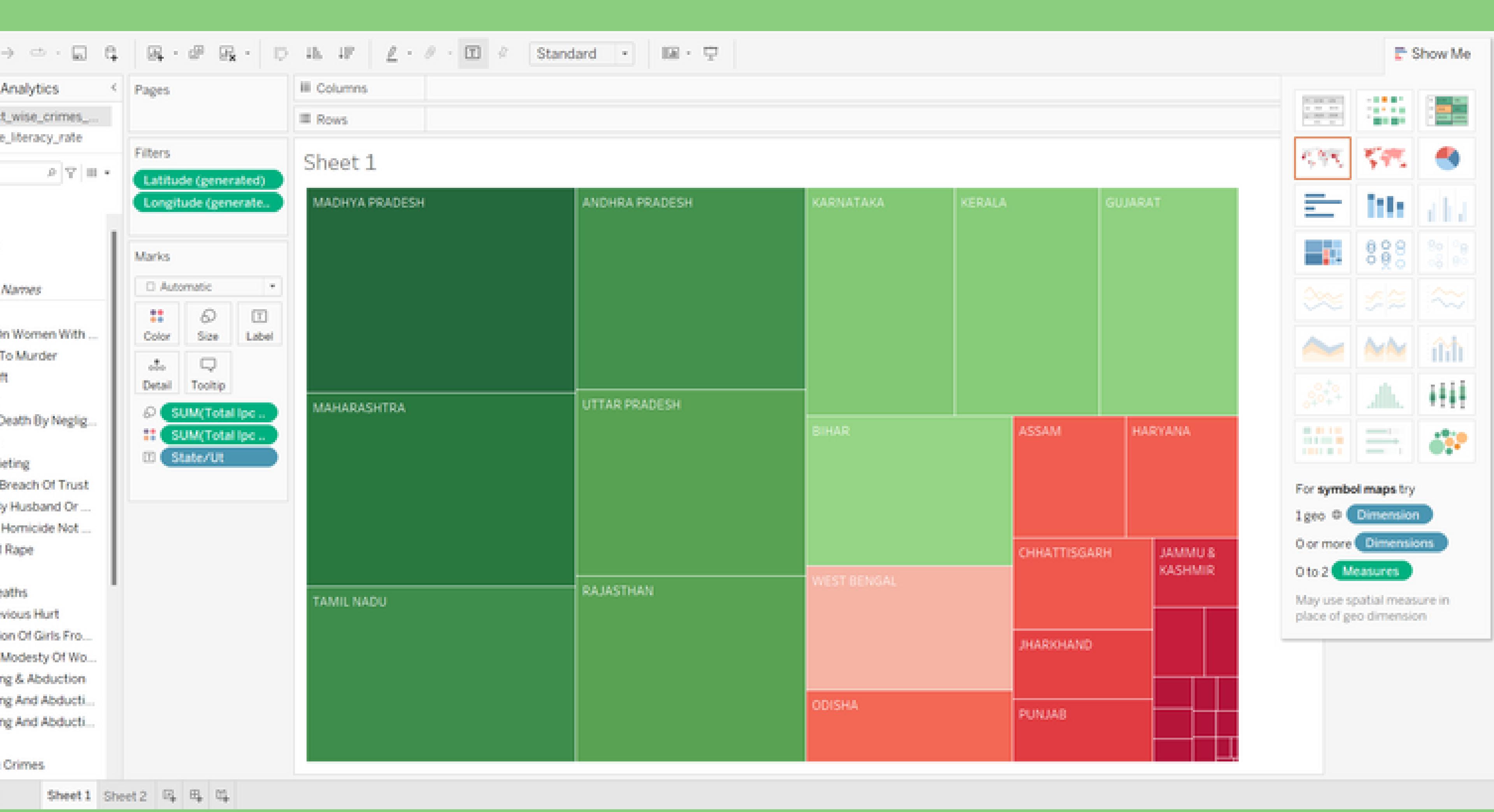


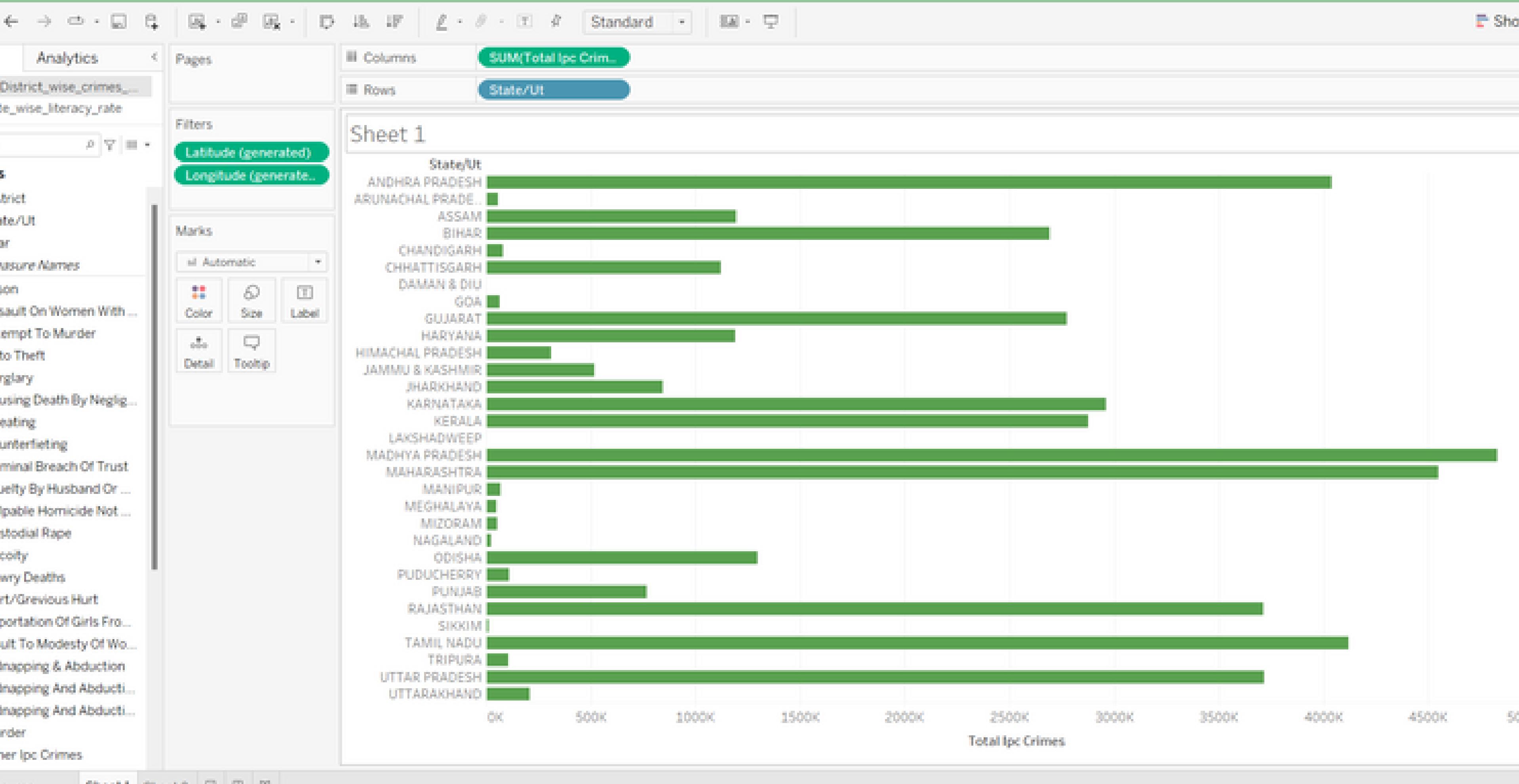




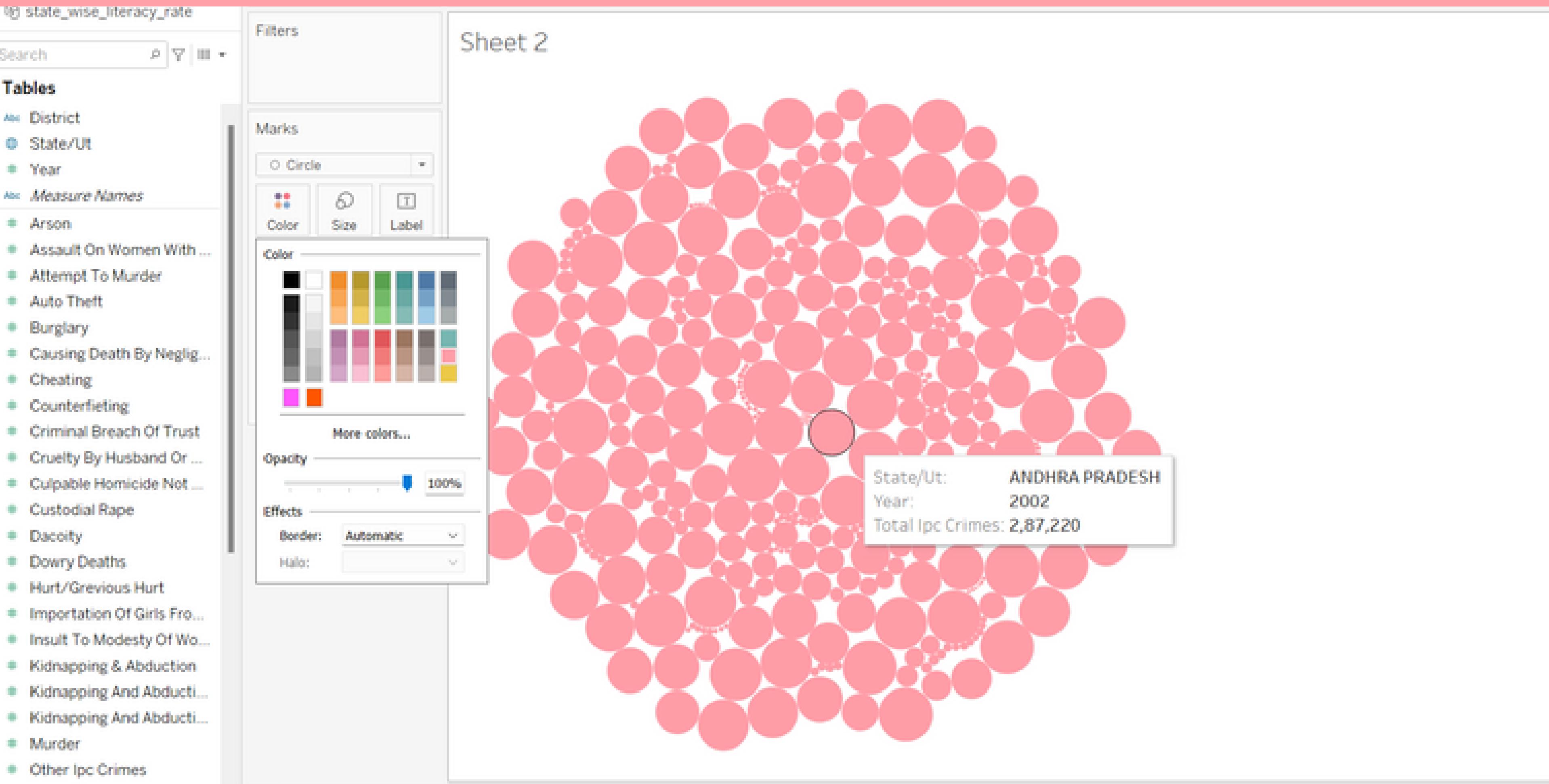
4. ANALYSIS STATE/CRIMES

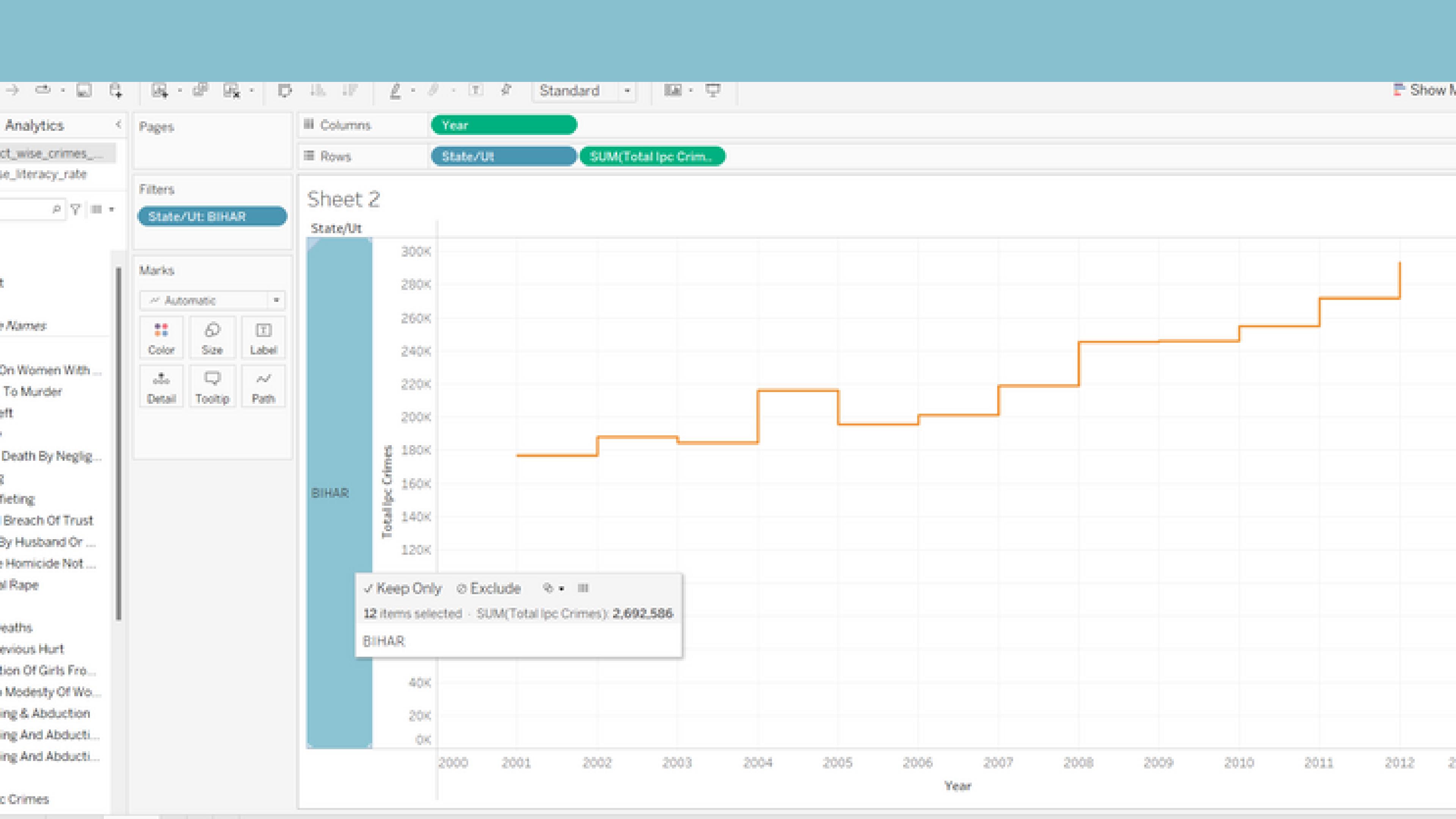


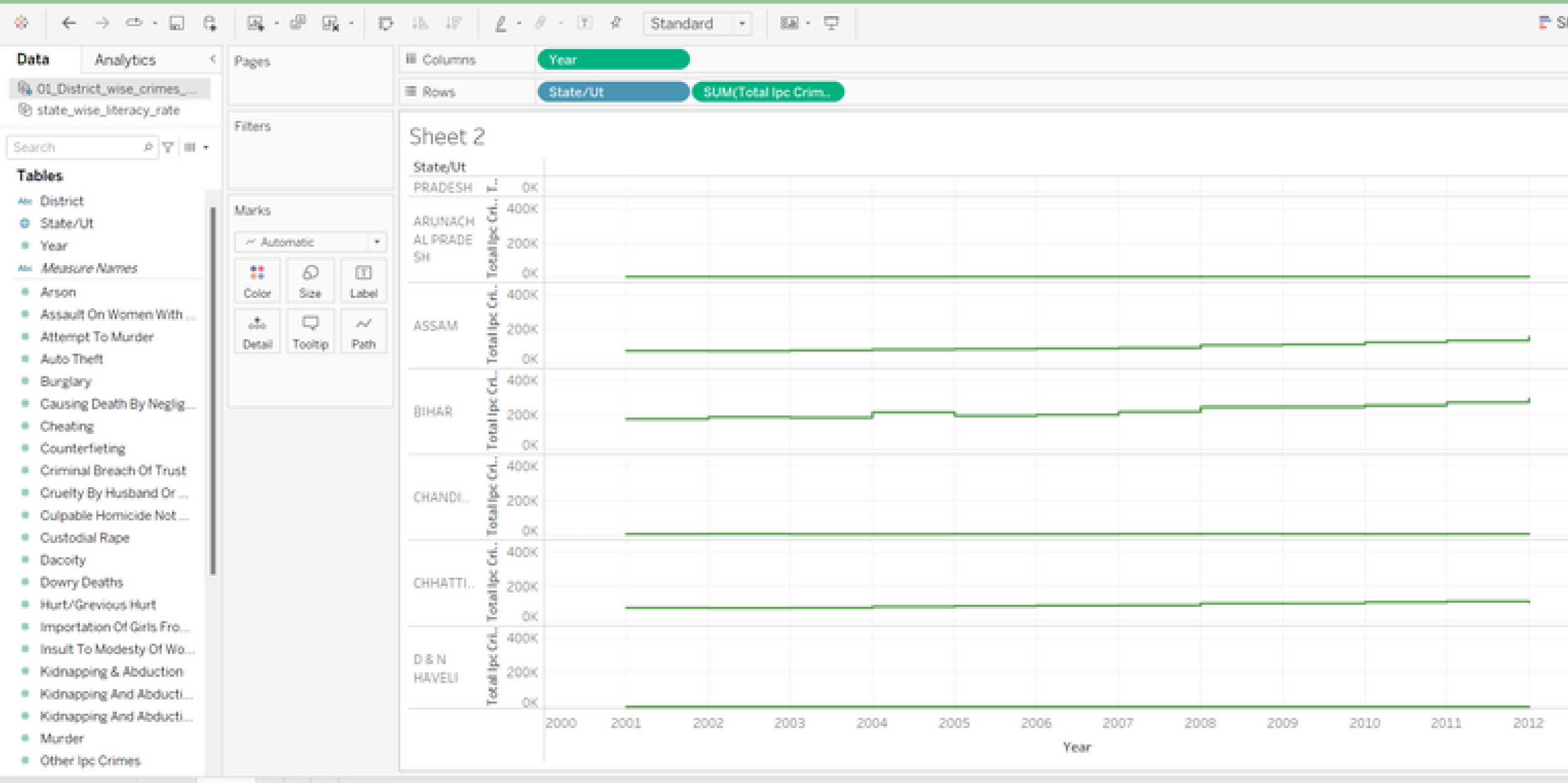


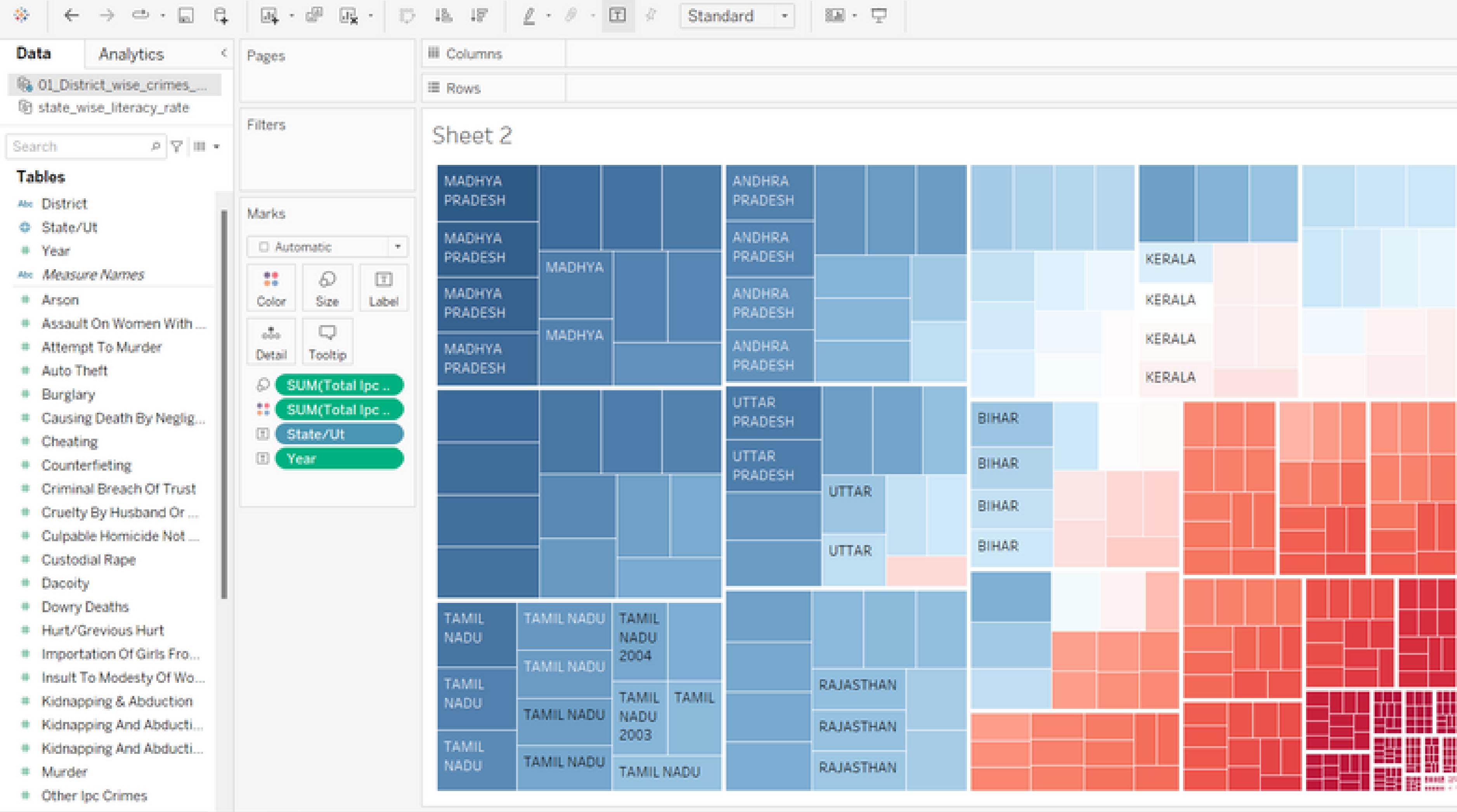


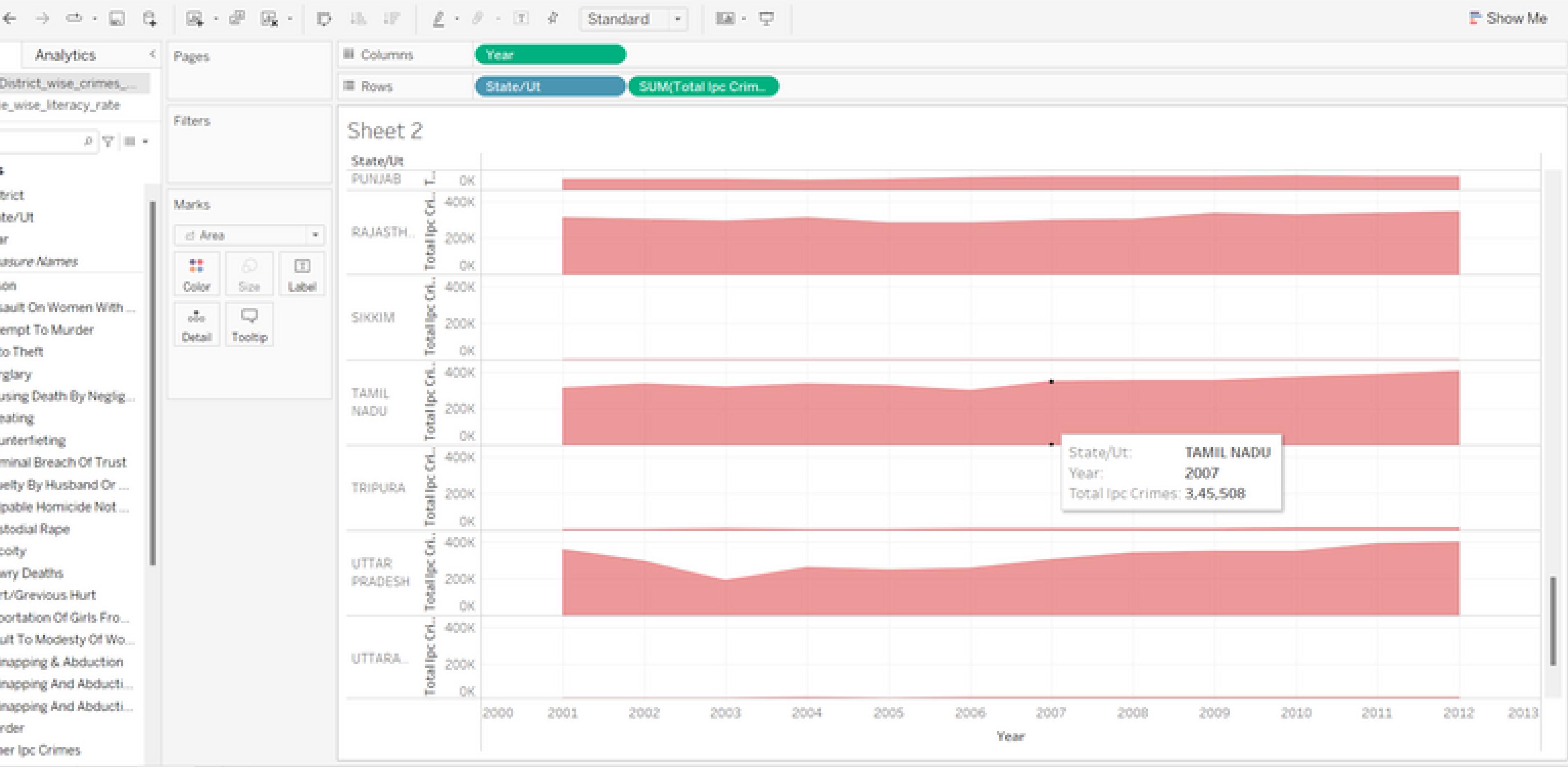
5. ANALYSIS STATE/YEAR



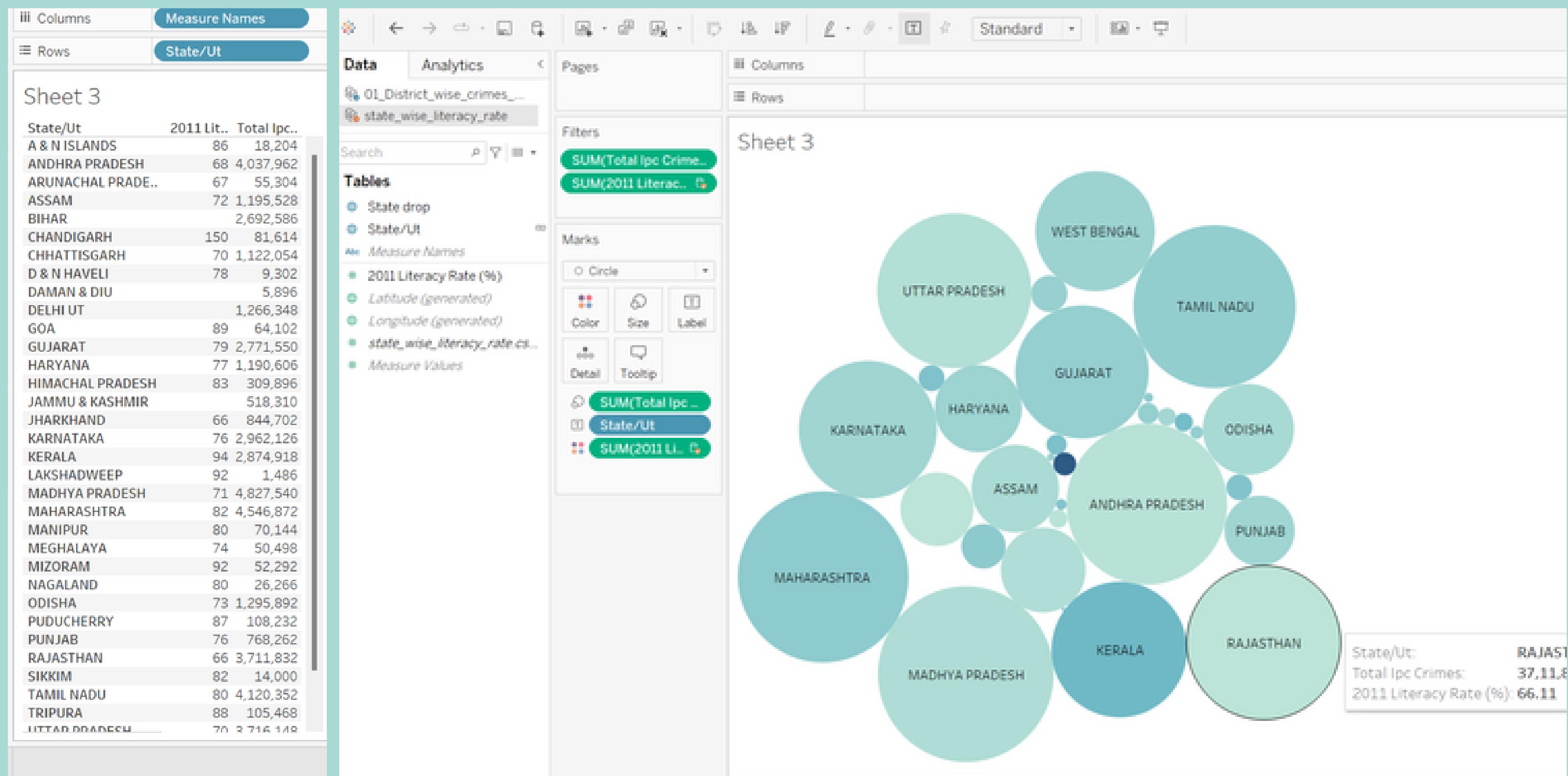


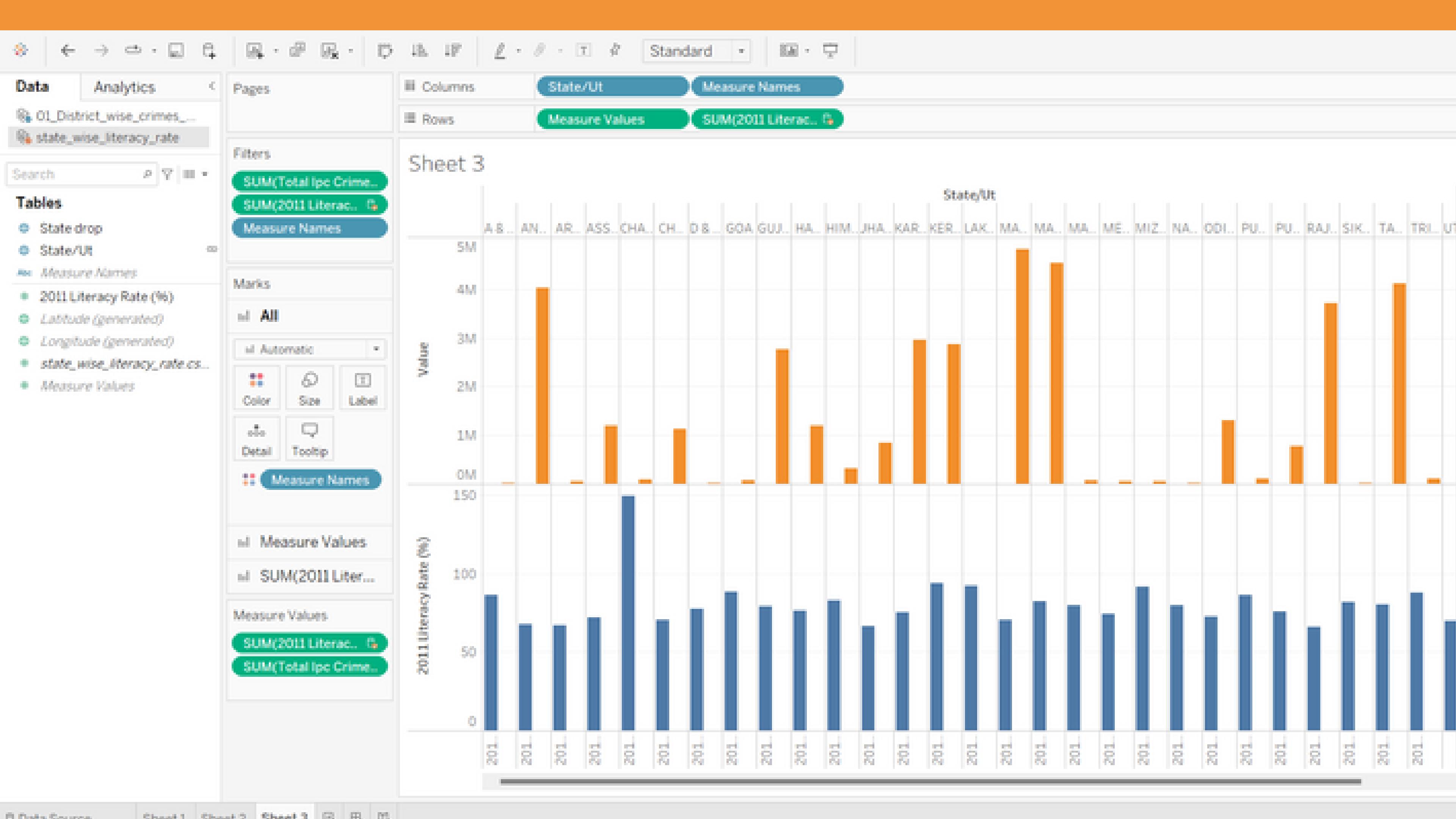


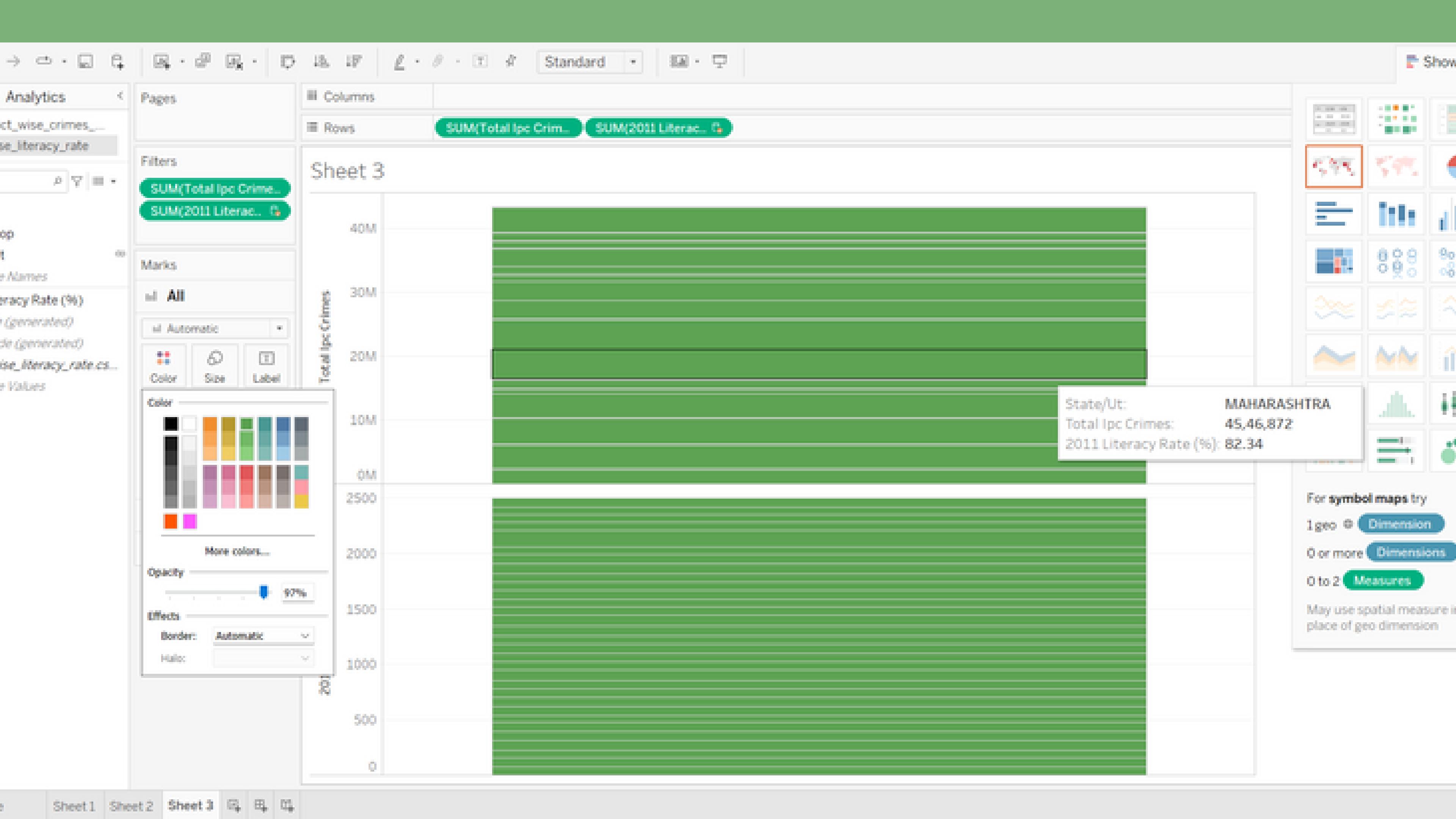


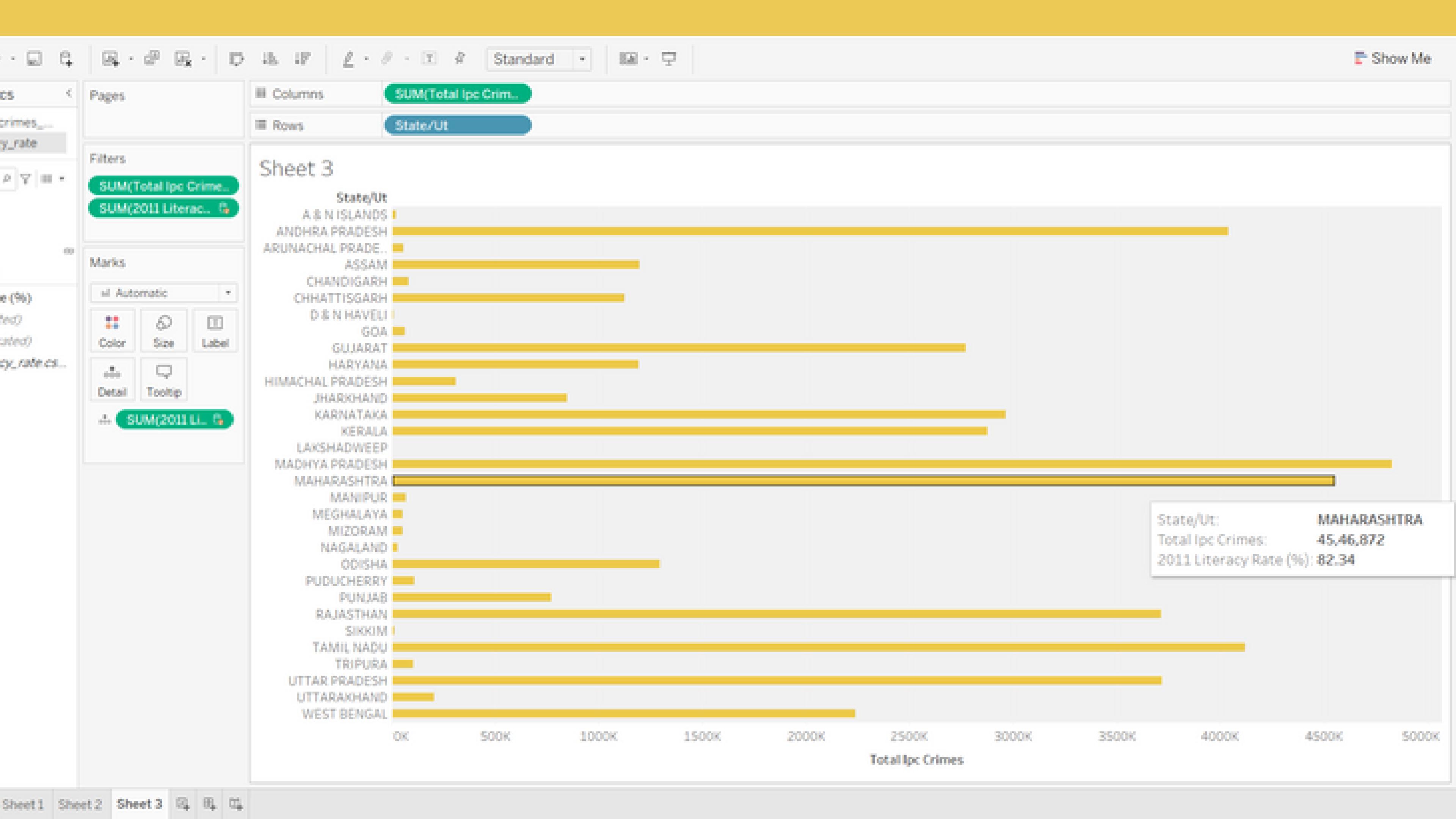


6. LITERACY RATE VS TOTAL CRIMES

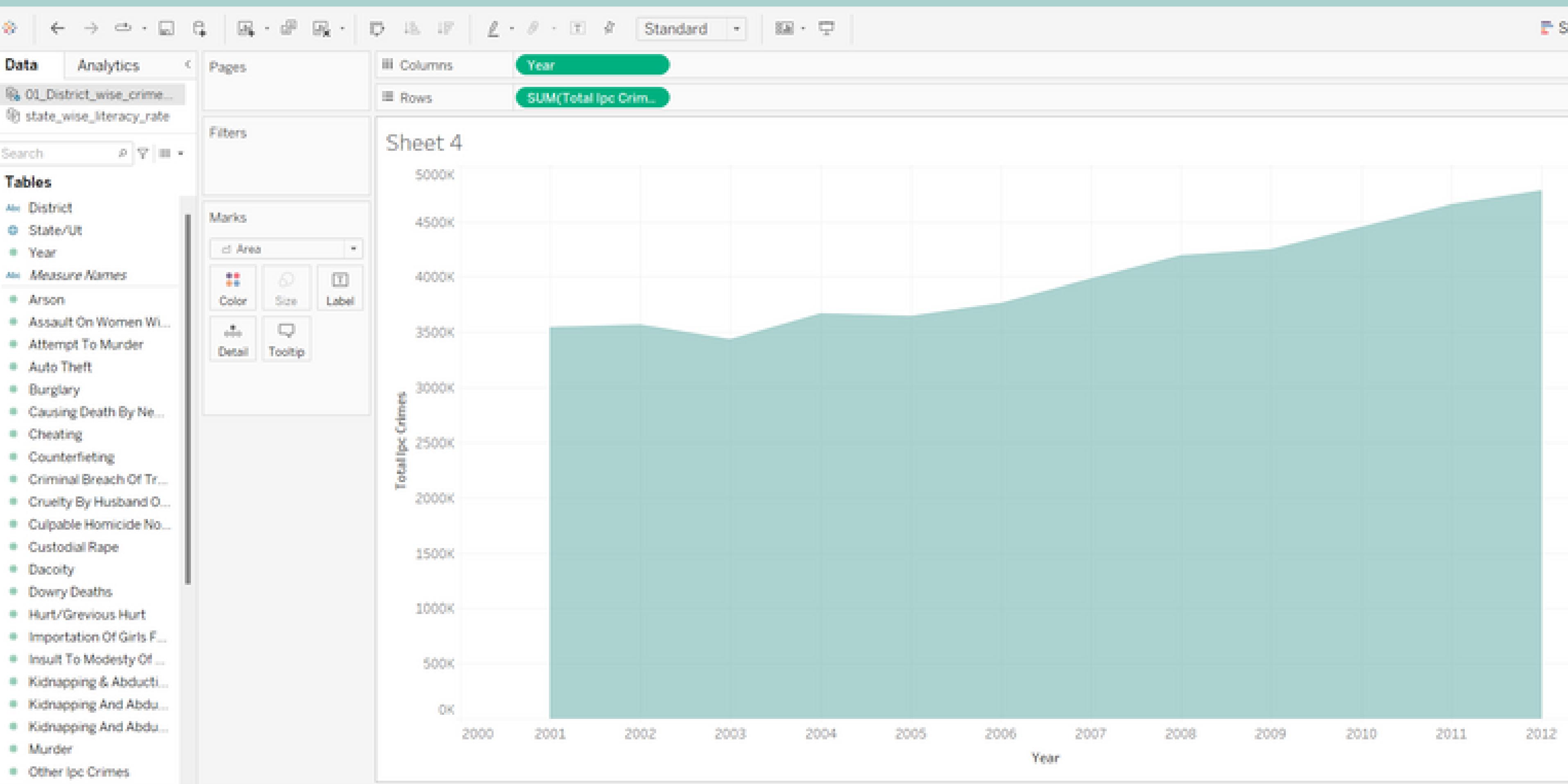


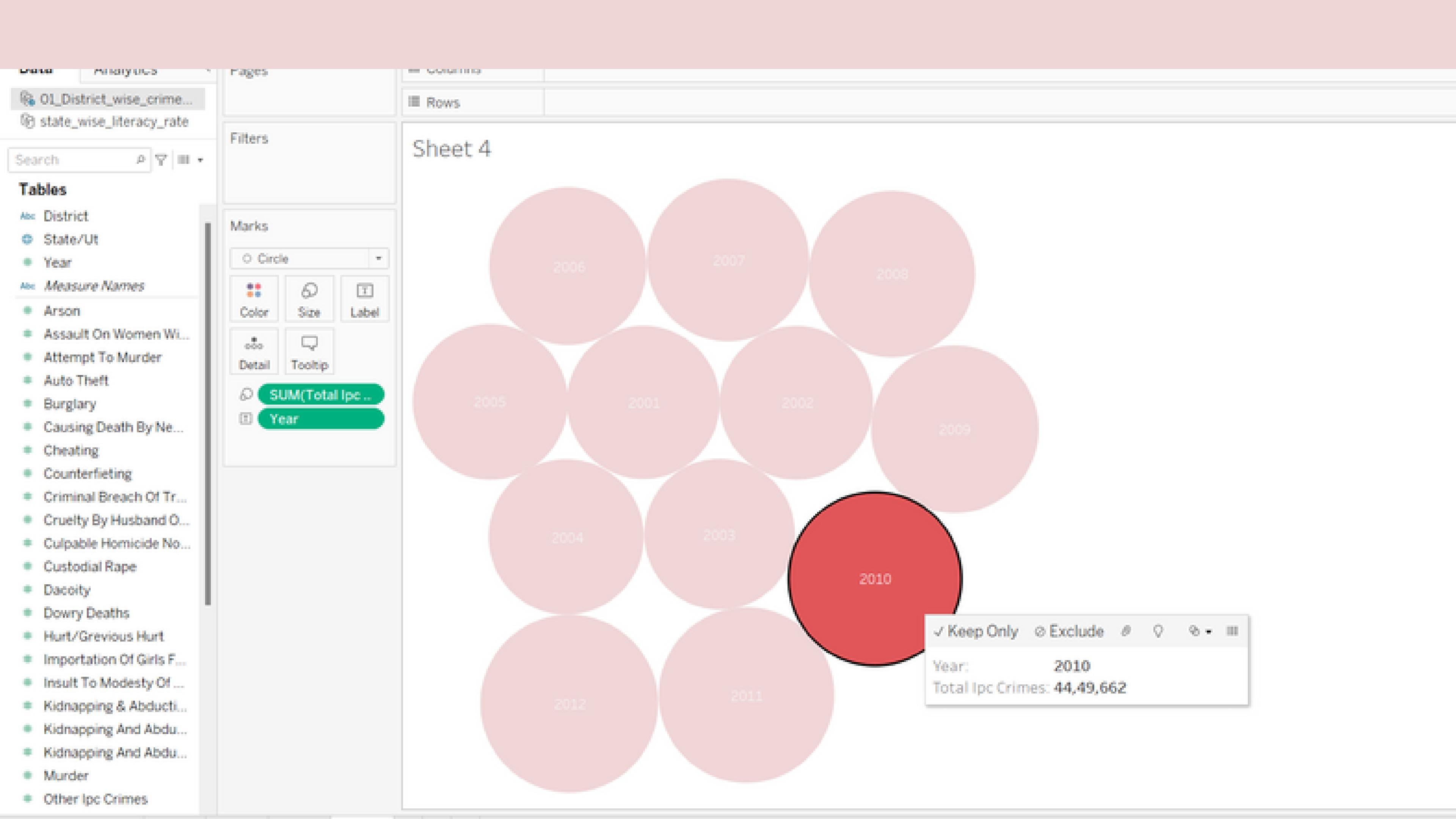


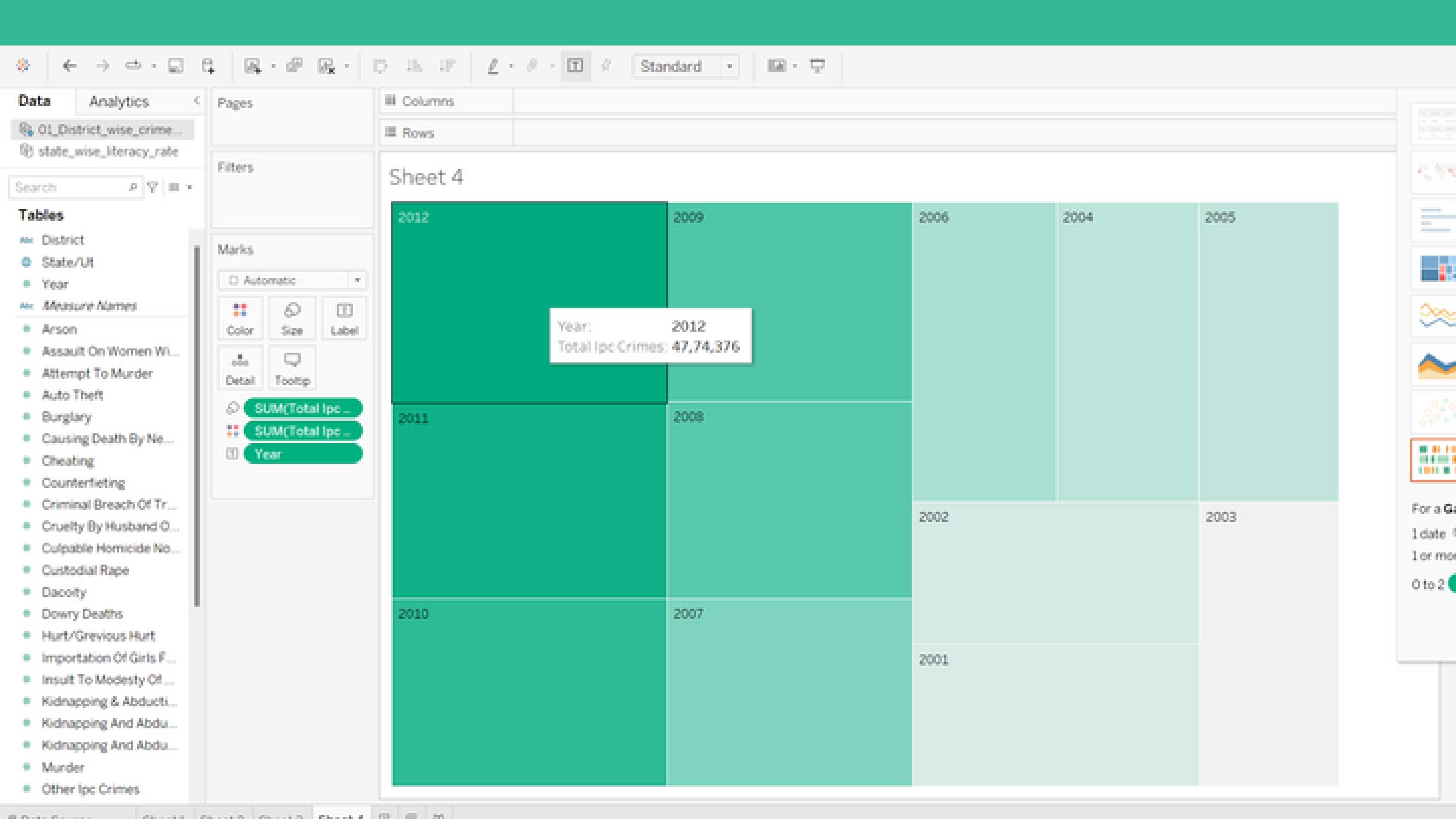




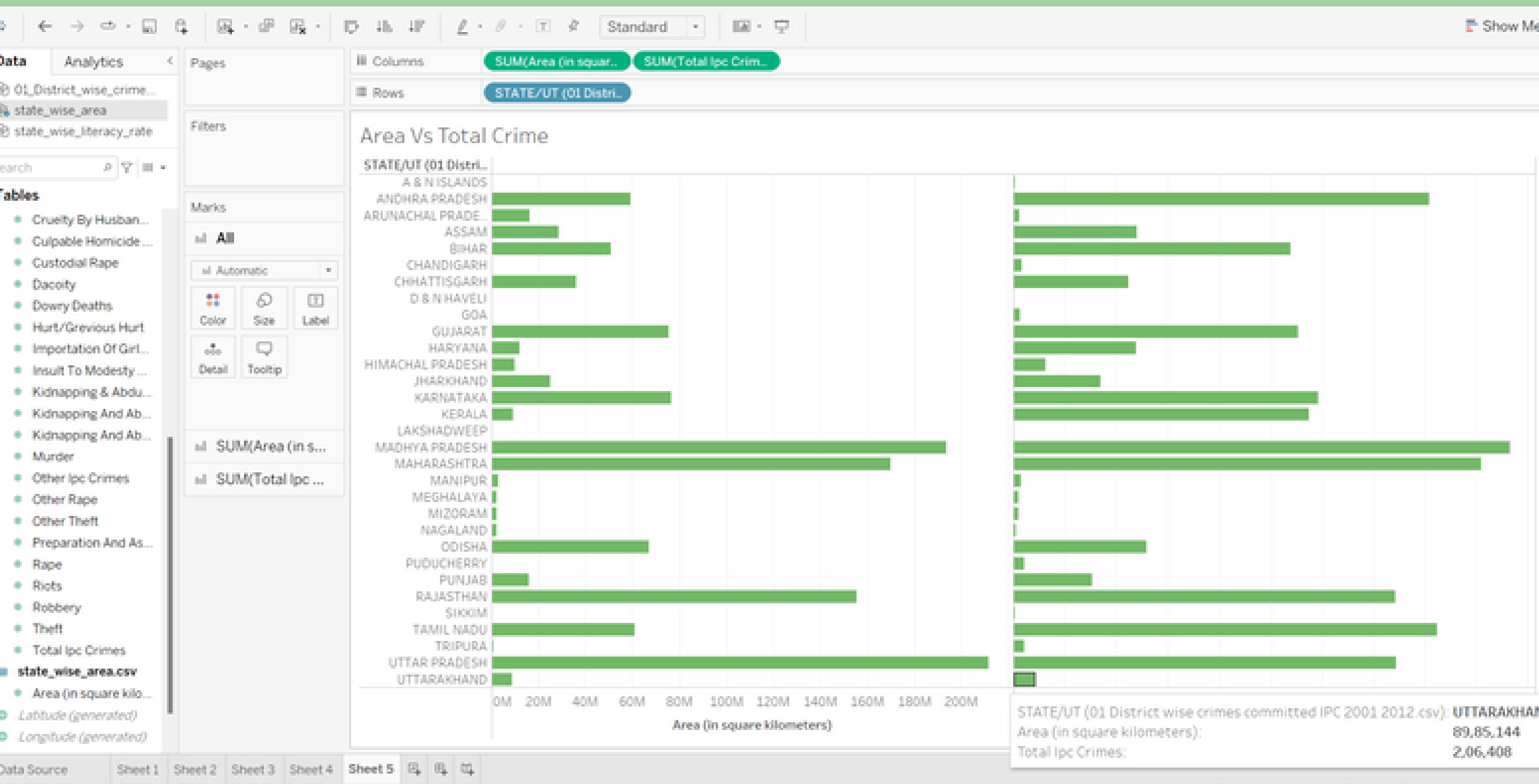
7. CRIME RATE PER YEAR

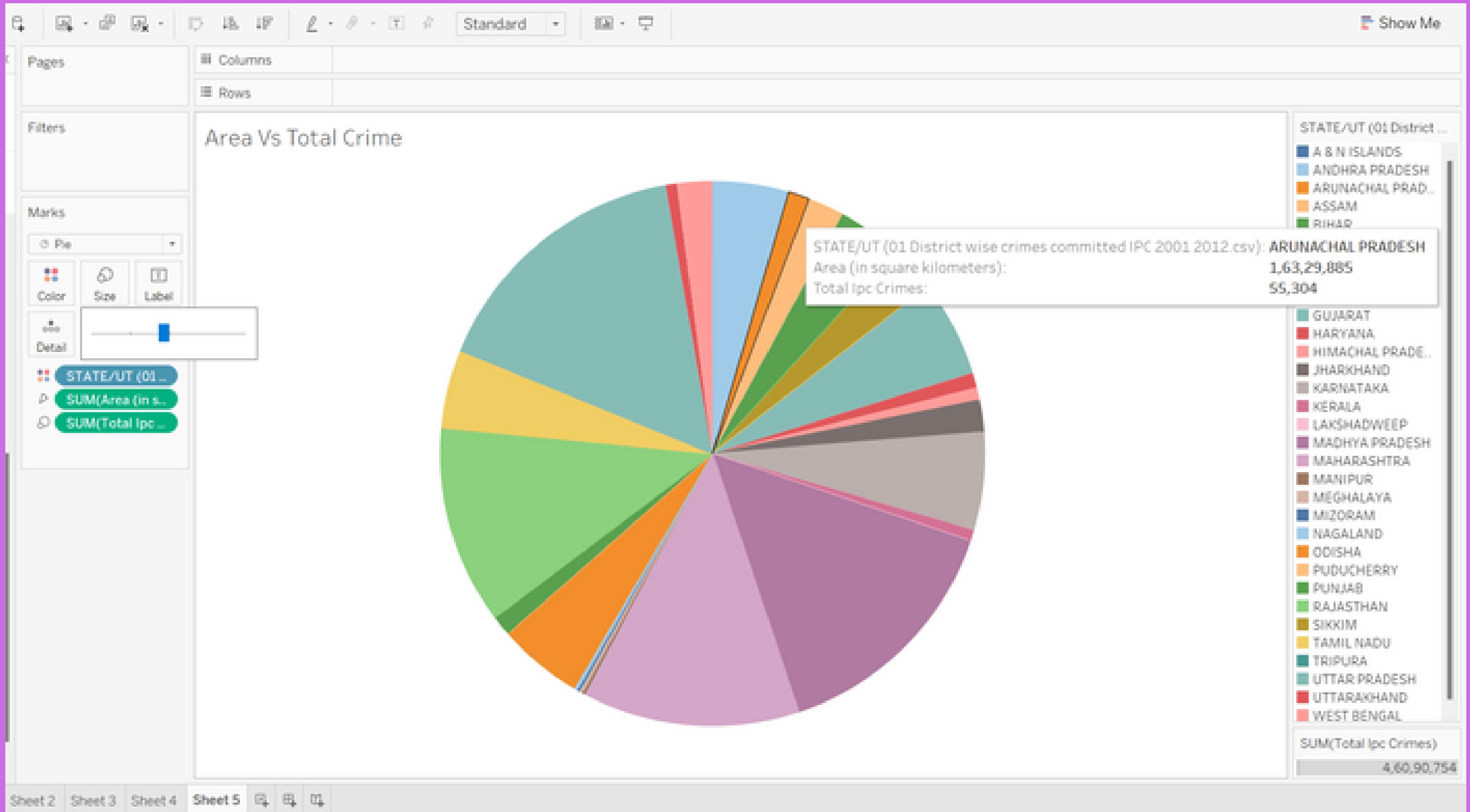






8. AREA VS TOTAL CRIMES









Data Analytics <

01_District_wise_crime...

state_wise_area

state_wise_literacy_rate

Search P Y

Tables

- Cruelty By Husband...
- Culpable Homicide ...
- Custodial Rape
- Dacoity
- Dowry Deaths
- Hurt/Grévious Hurt
- Importation Of Girl...
- Insult To Modesty ...
- Kidnapping & Abdu...
- Kidnapping And Ab...
- Kidnapping And AD...
- Murder
- Other Ipc Crimes
- Other Rape
- Other Theft
- Preparation And As...
- Rape
- Riots
- Robbery
- Theft
- Total Ipc Crimes

- state_wise_area.csv
 - Area (in square kilo...)
 - Latitude (generated)
 - Longitude (generated)

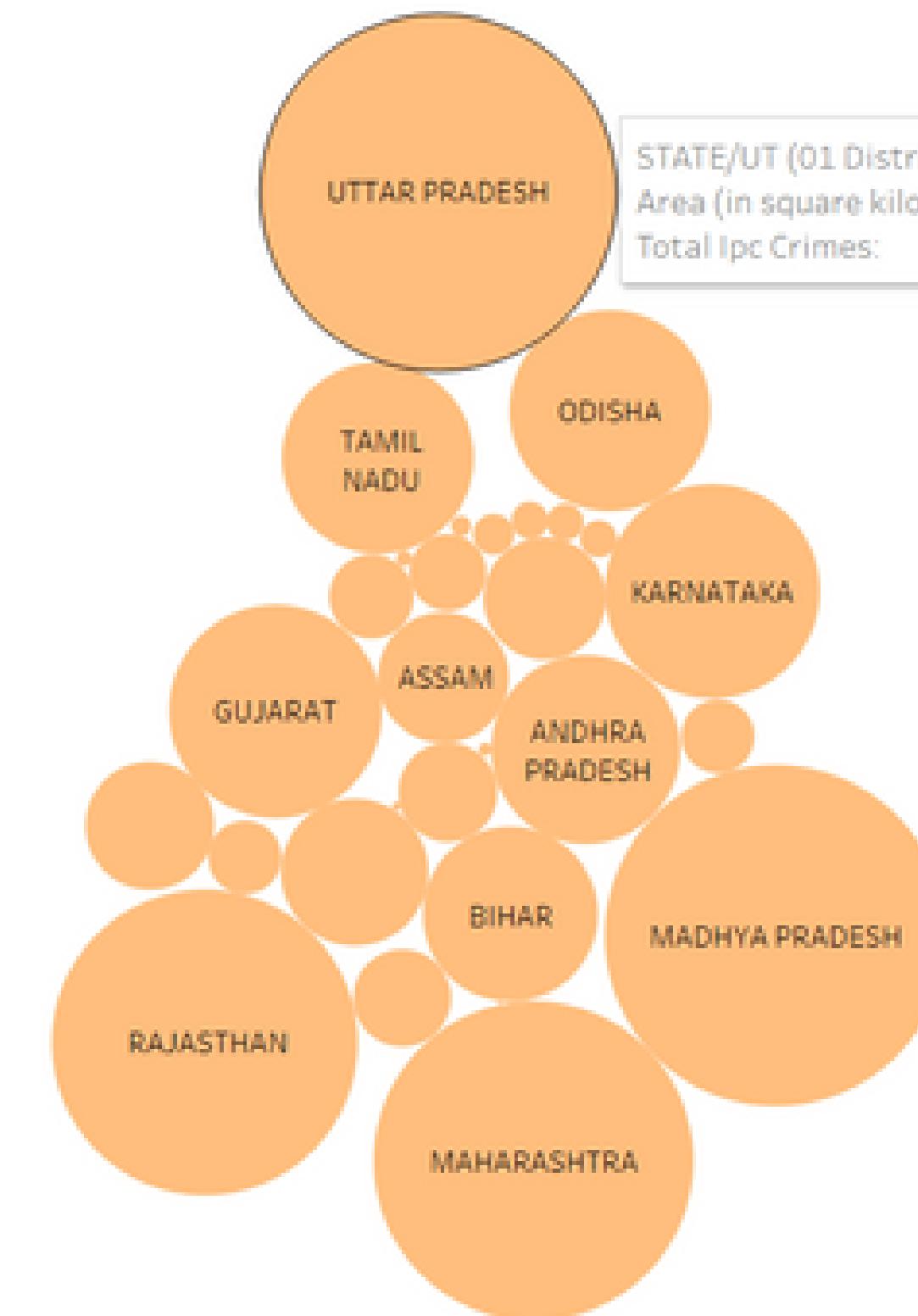
Pages

Columns

Rows

Filters

Area Vs Total Crime



Marks

Circle



Color

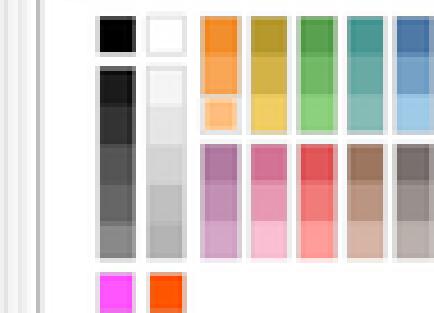


Size



Label

Color



More colors...

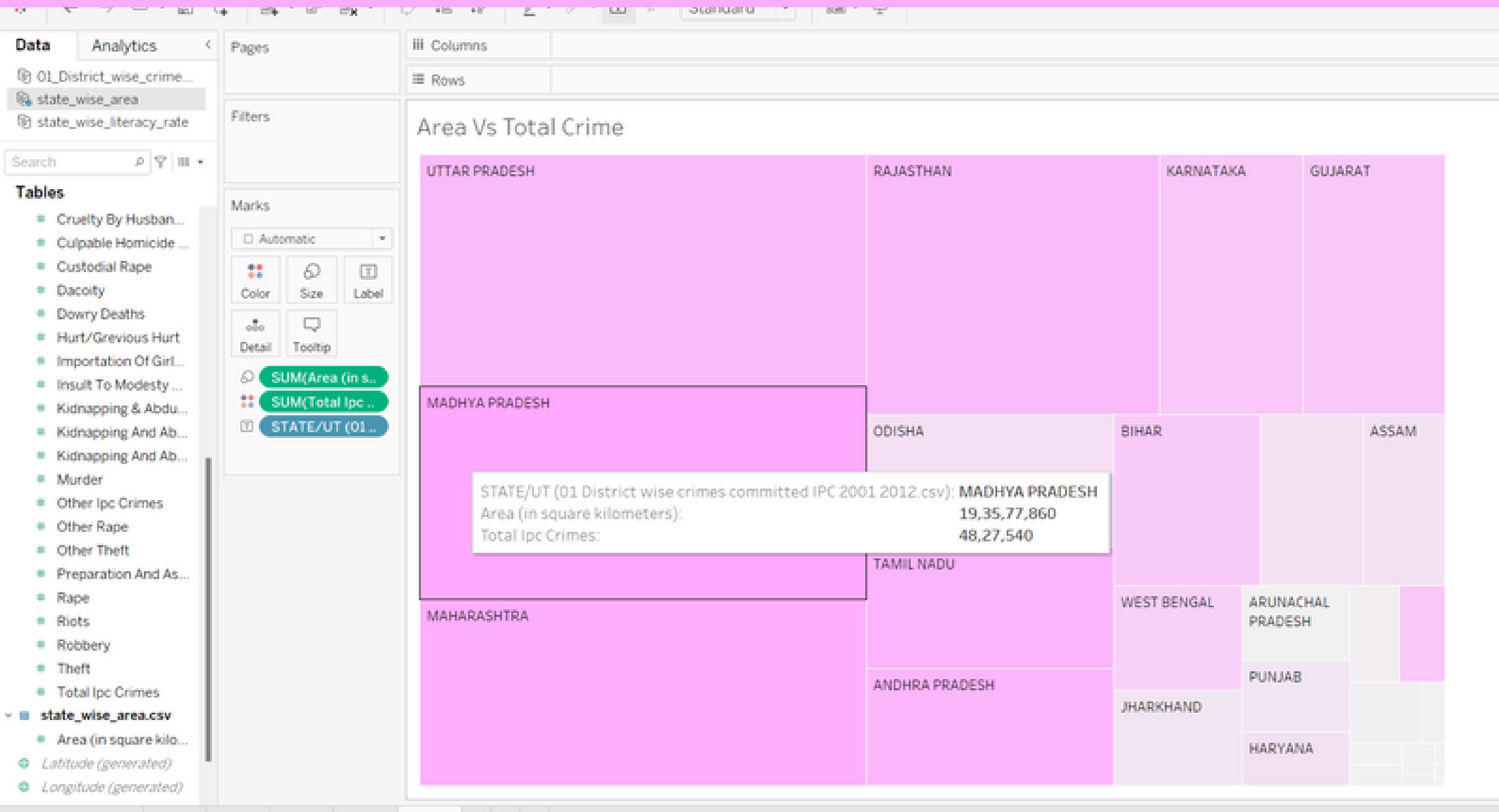
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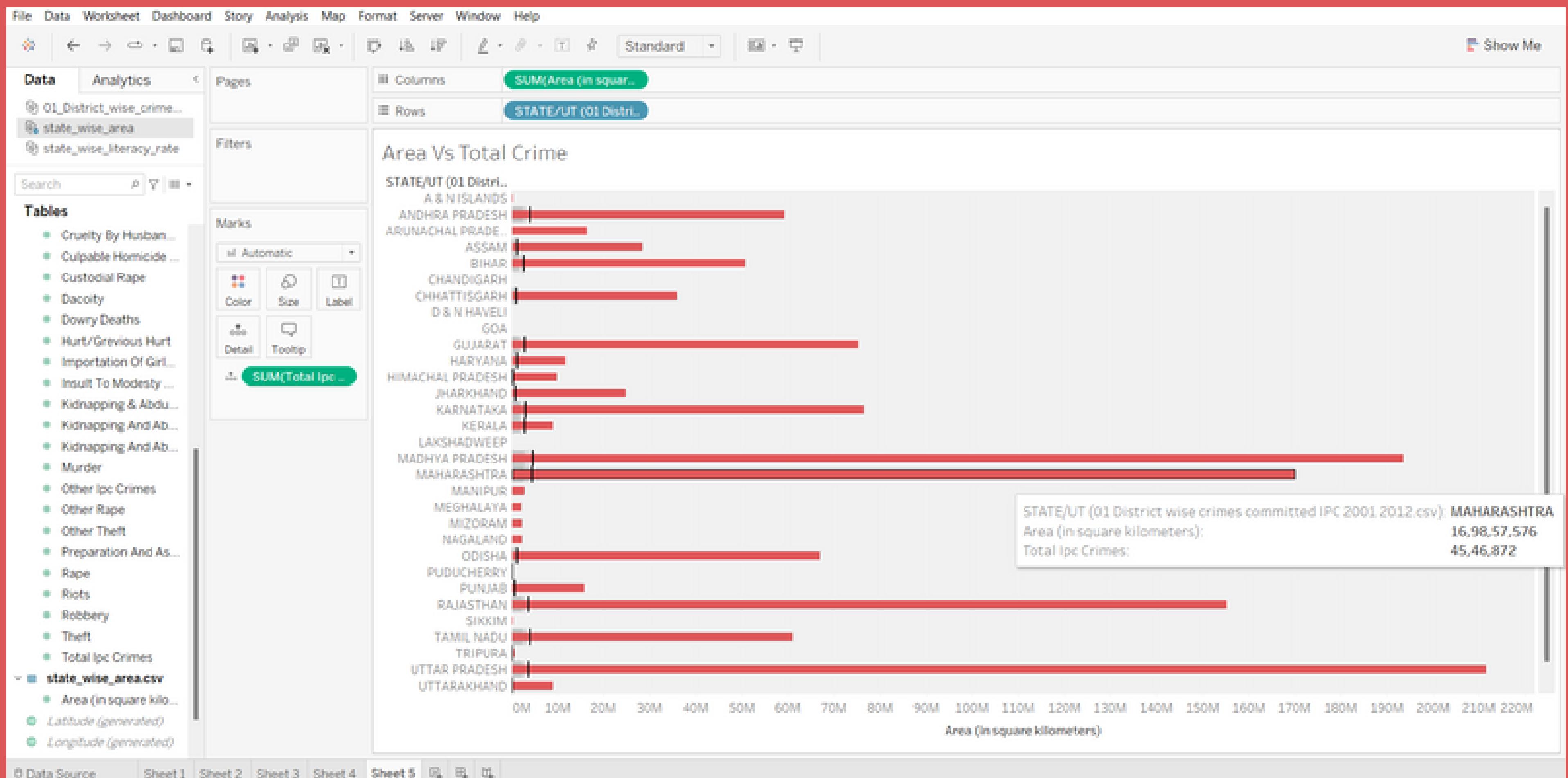


Effects

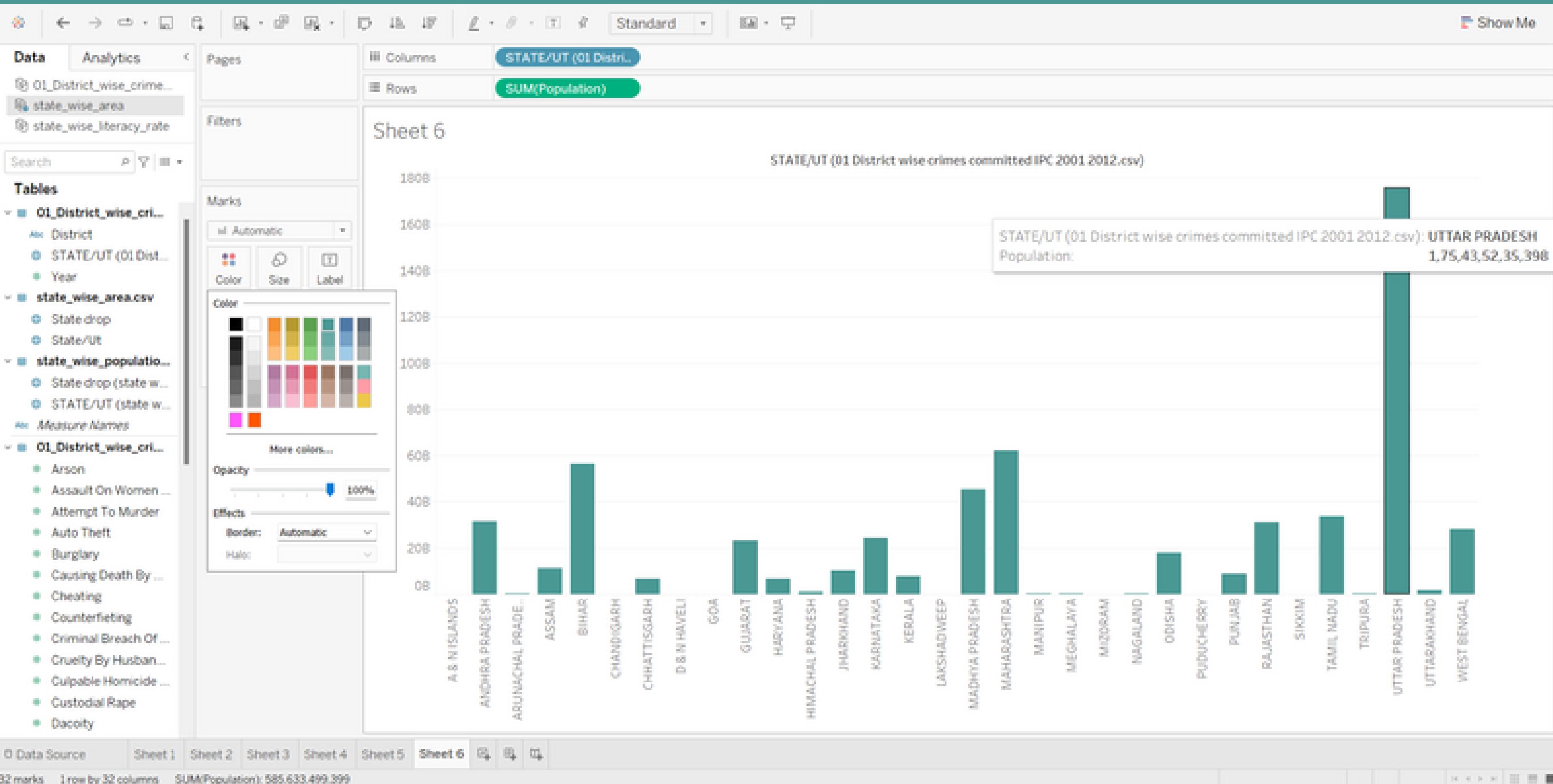
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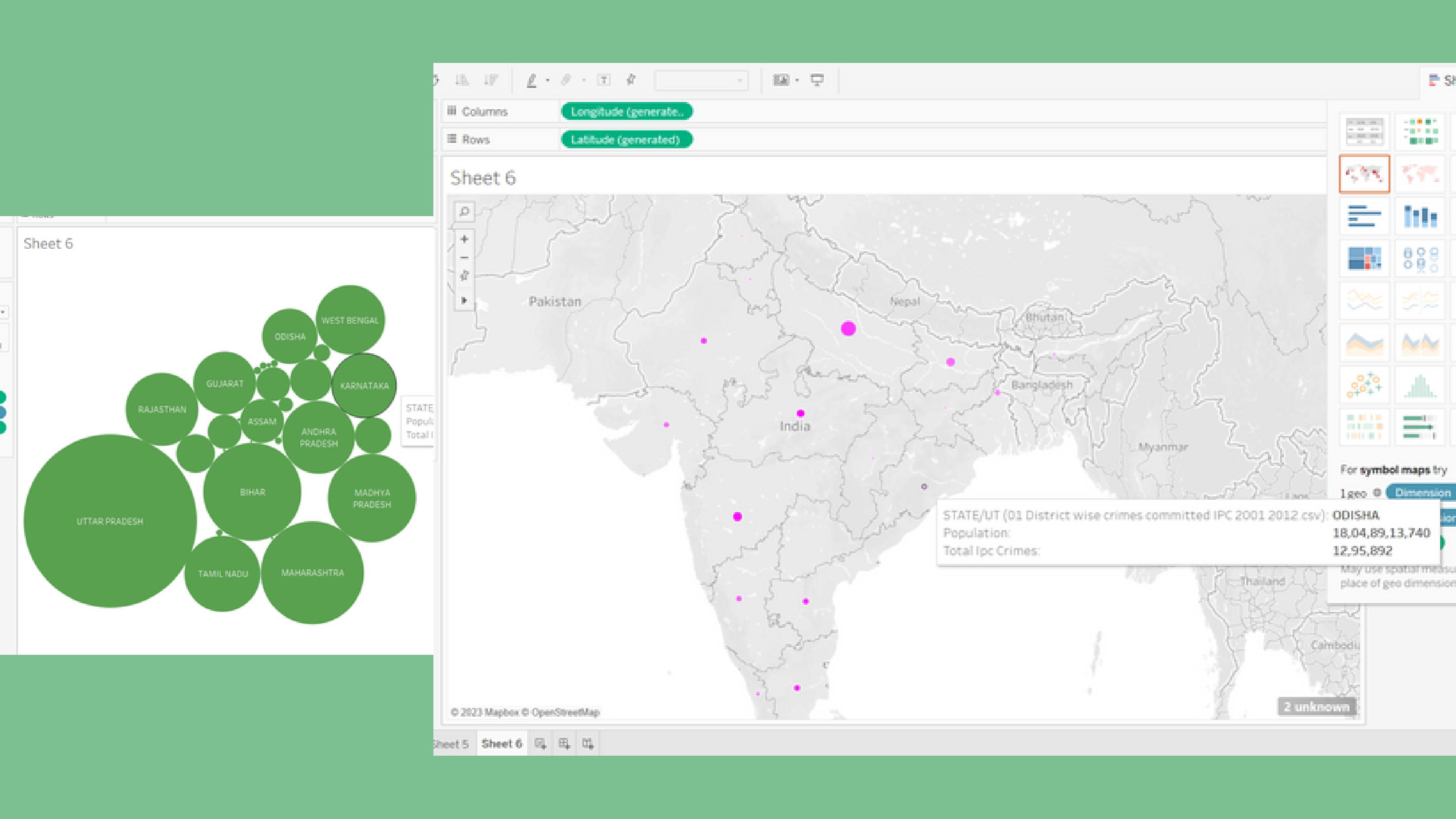
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9. POPULATION VS TOTAL CRIMES





Pages

Columns

STATE/UT (01 Distri..)

Rows

SUM(Population)

SUM(Total Ipc Crim..)

Filters

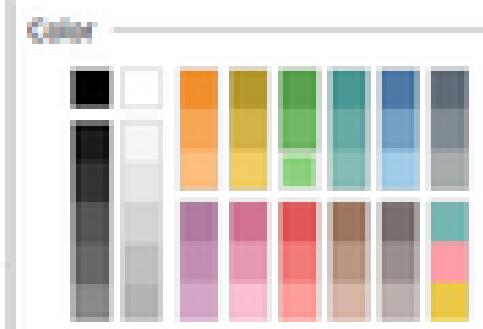
Sheet 6

STATE/UT (01 District wise crimes committed IPC 2001-2012.csv)

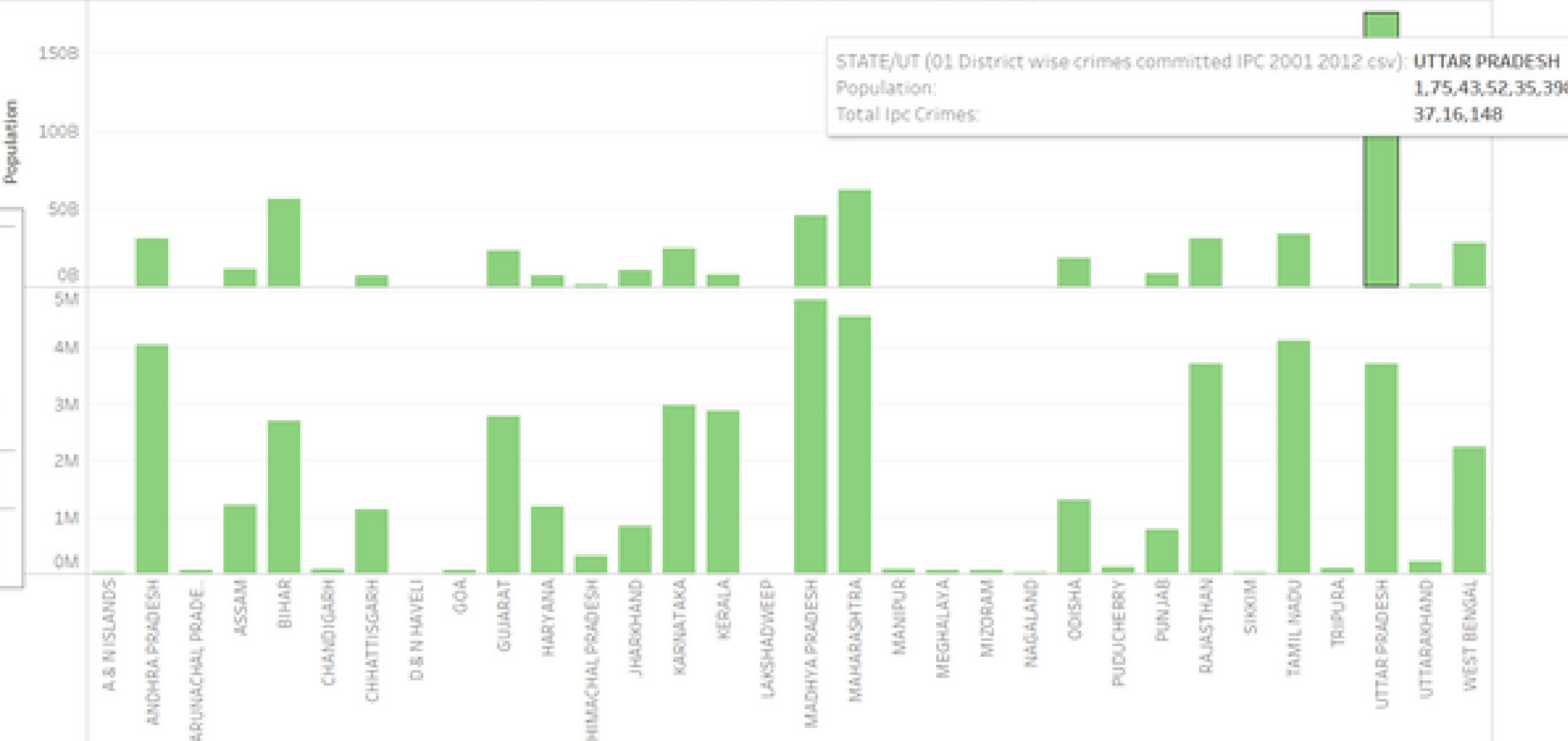
Marks

All

All Automatic



More colors...





10

 Color calibration bar

STATE/UT (01.D)

Measuring Names

 **Roma**

Mitochondria

Finley

Measure Names

Marky

Automatic

A row of three small, semi-transparent decorative icons: a grid of colored squares, a circular pattern, and a stylized letter 'T'.

100% of the time, the system correctly identified the target word.

Partial Total

Measuring Names

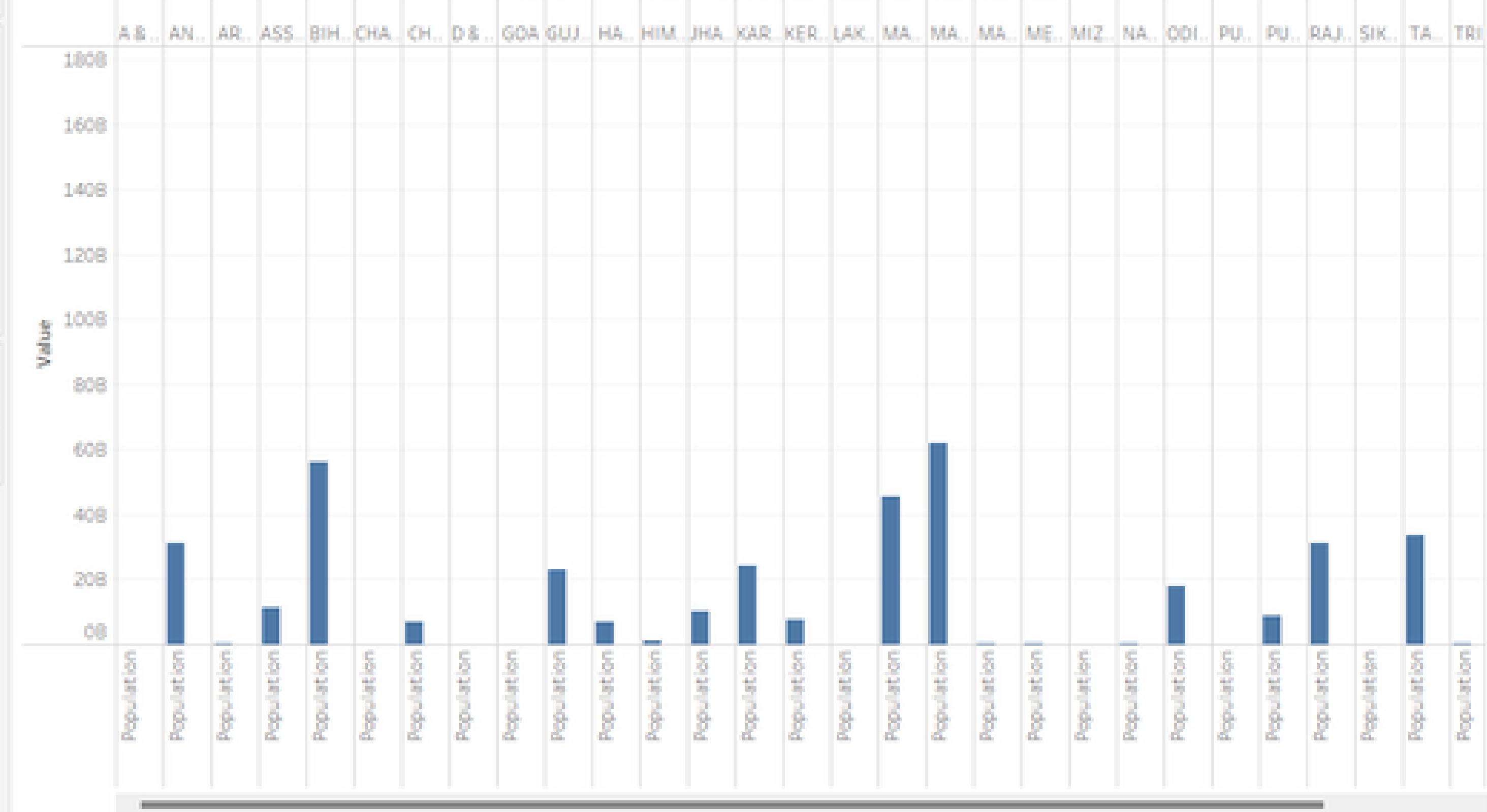
Measure Values

SUM(Population)

SUM(Total Ipc Crimes)

Sheet 6

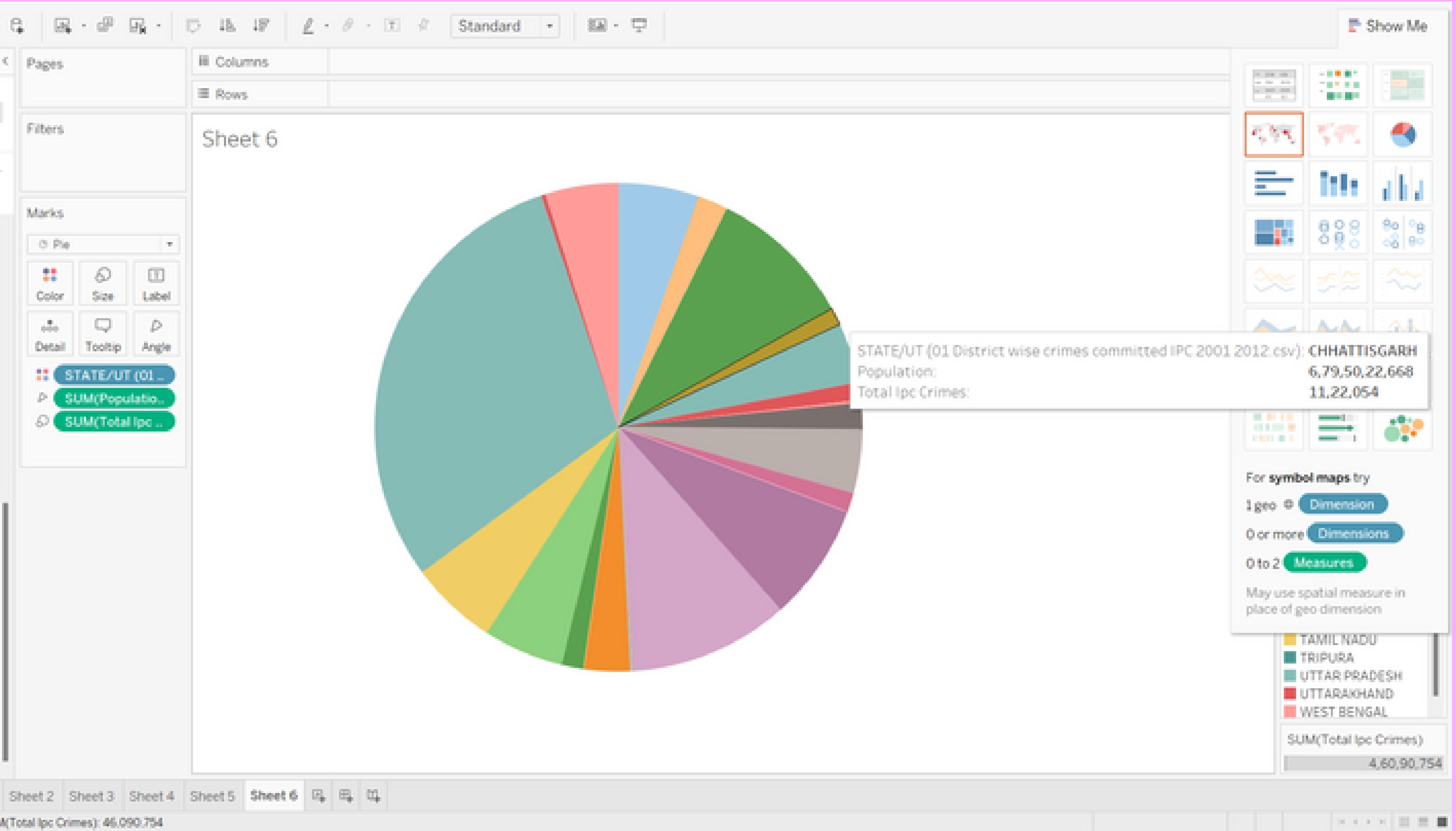
STATE/UT (01 District wise crimes committed IPC 2001 2012.csv)



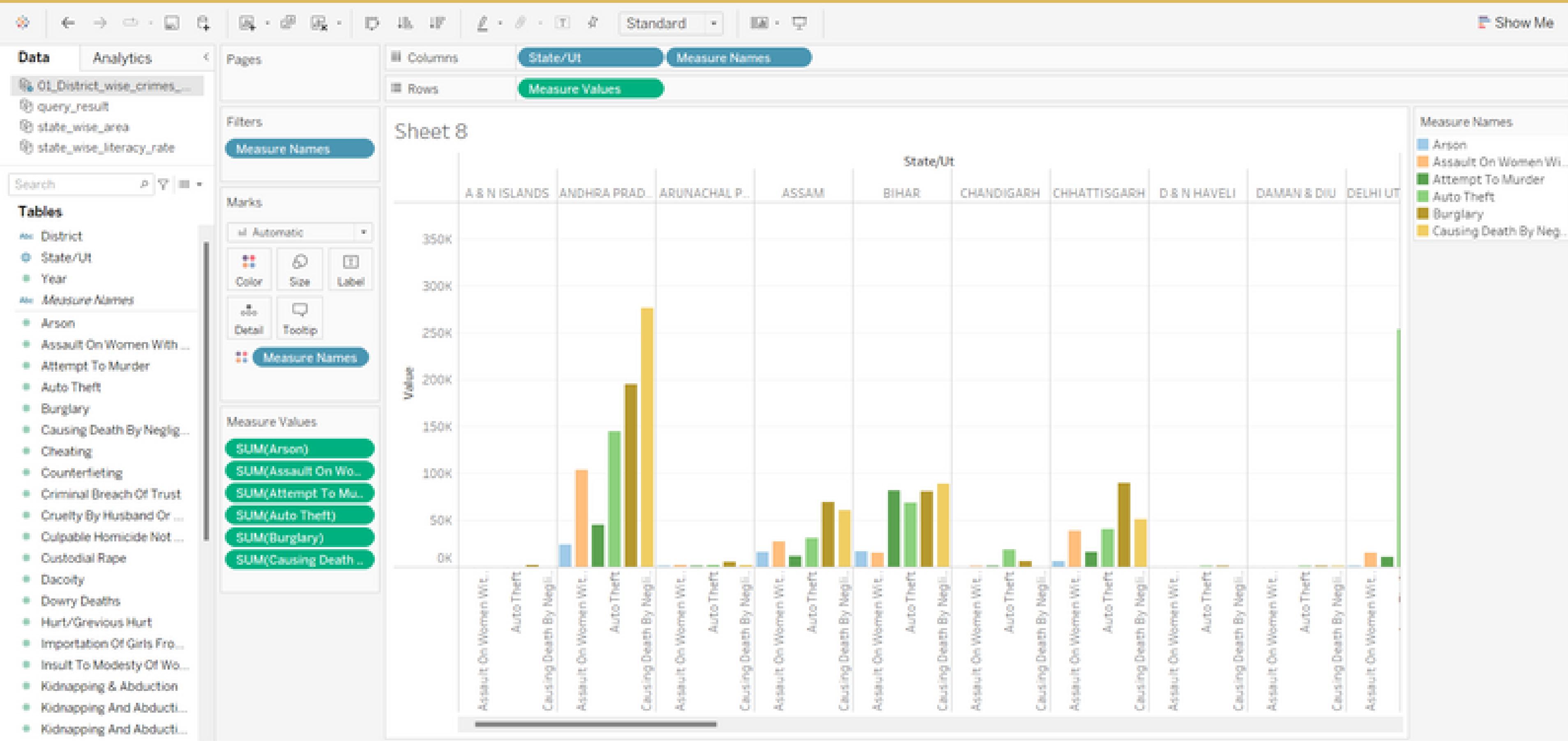
Measure Names

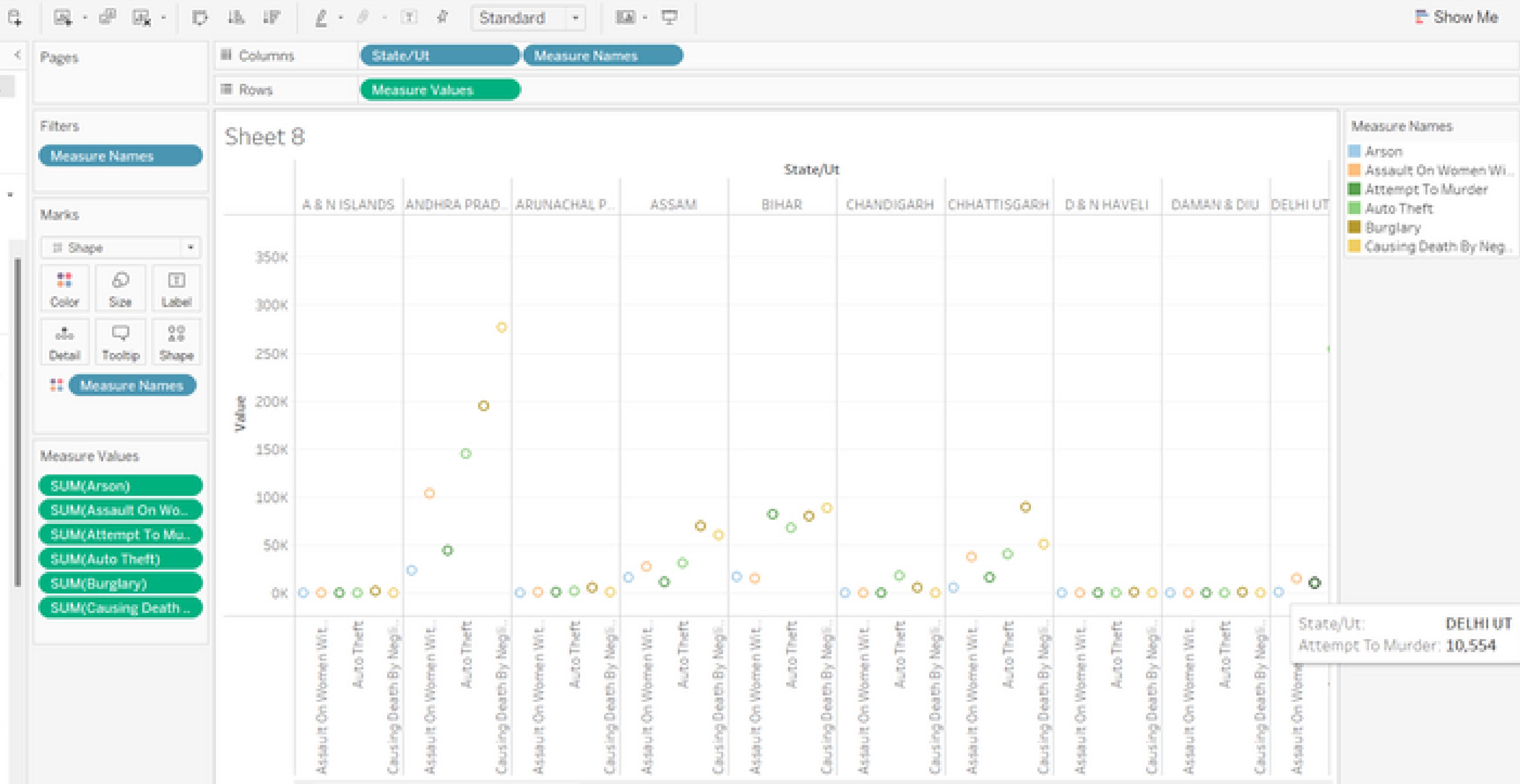
 Population

Total Ipc Crimrep

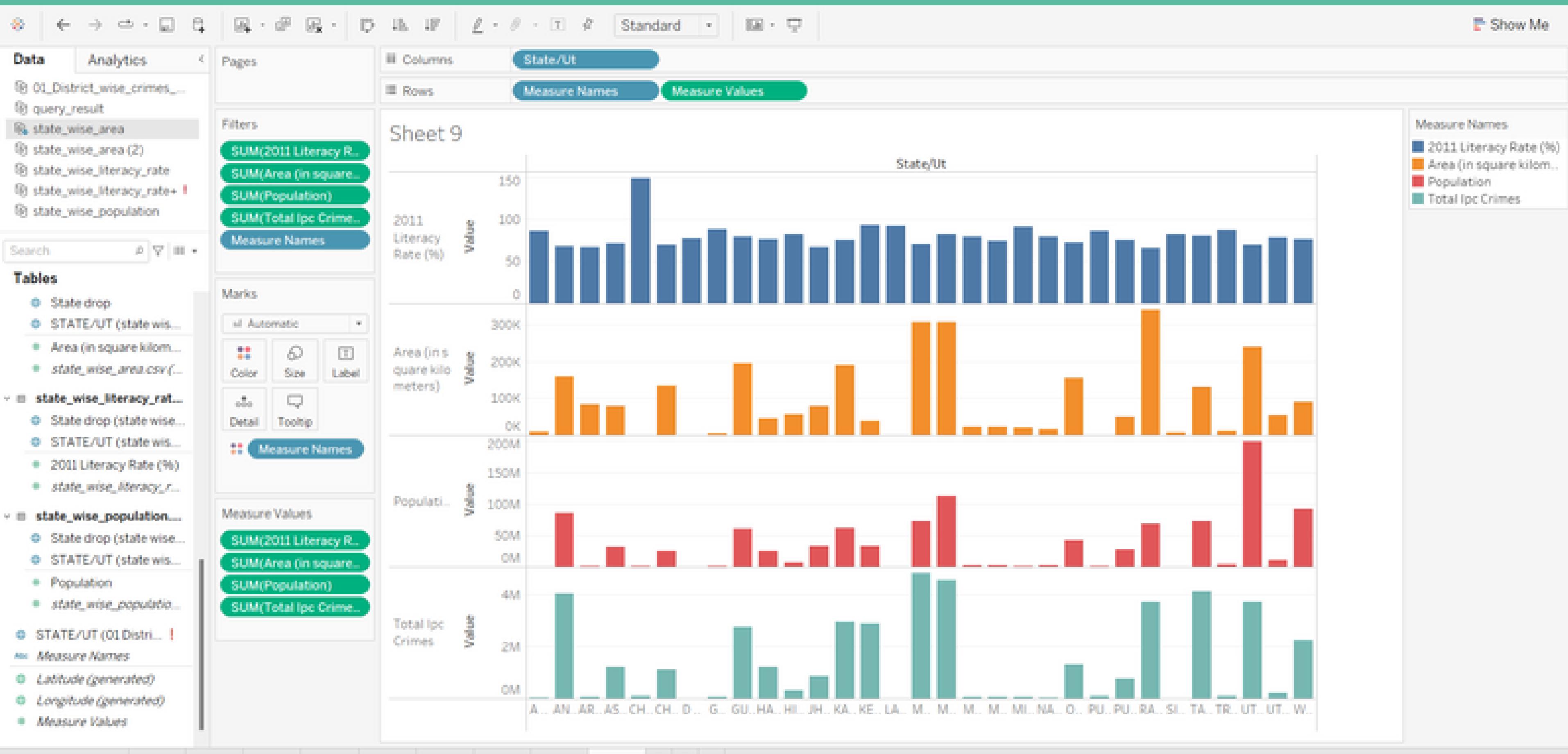


10. ANALYSIS OF CRIME TYPE FOR EACH STATE





11. ANALYSIS OF ALL PARAMETERS TOGETHER





Pages

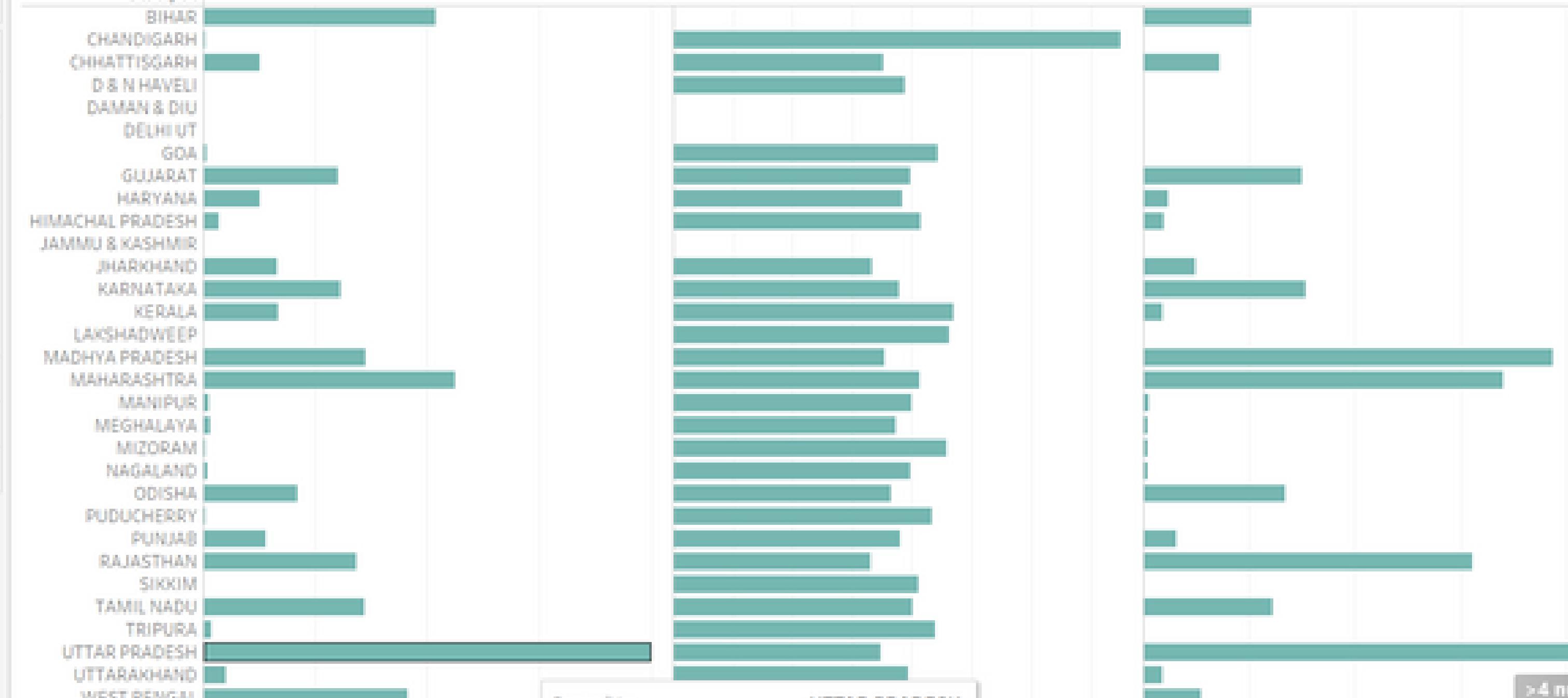
SUM(Population) SUM(2011 Literac... SUM(Area (in squ....

Rows State/Ut

Filters

Literacy,Area,Population Vs Total Crimes

State/Ut



State/Ut: UTTAR PRADESH
 Population: 19,98,12,341
 2011 Literacy Rate (%): 69.72
 Area (in square kilometers): 21,15,34,784

12. CONCLUSION

WE CAN CONCLUDE THE FOLLOWING FROM OUR ANALYSIS USING TABLEAU!

- AS THE POPULATION INCREASES THE TOTAL CRIMES COMMITED IN THAT STATE OR U/T ALSO INCREASES
- AS THE LITERACY RATE OF AN AREA INCREASES THE TOTAL CRIMES COMMITED DECREASES
- AS THE AREA OF A STATE INCREASES THE TOTAL CRIMES COMMITED ALSO INCREASES
- TOTAL CRIMES IS DIRECTLY RELATED TO ALL THE THREE PARAMETERS
- THE TOTAL CRIMES HAVE INCREASED FROM 2001 TO 2012 GRADUALLY
- HIGHEST AMOUNT OF CRIMES HAVE BEEN COMMITED IN THE YEAR 2012
- BARRING SOME EXCEPTIONS OUR ANALYSIS HAS THUS CONFIRMED THAT A CUMULATION OF POPULATION, LITERACY RATE AND AREA DETERMINES THE AMOUNT OF CRIMES IN THAT AREA.
- TABLEAU IS AN EXCEPTIONAL TOOL THAT GIVES US GREAT EASY TO UNDERSTAND ANALYSIS.

THANK YOU!

