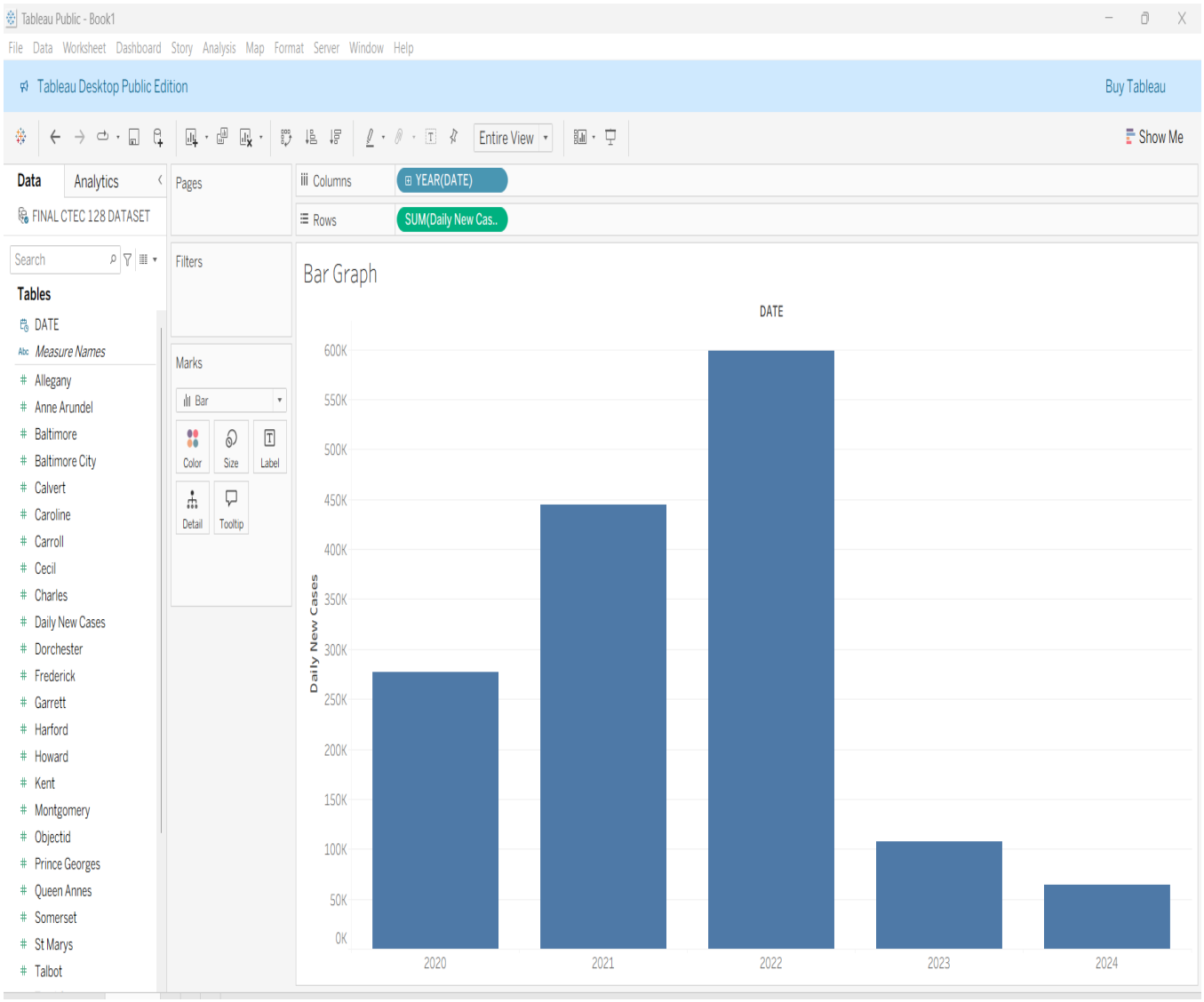
Torrodjae Somerville

CTEC 298-101: Symbolic Computation Using Big Data

Dr. Bemley

Novemeber 16, 2025

Tableu Proofs



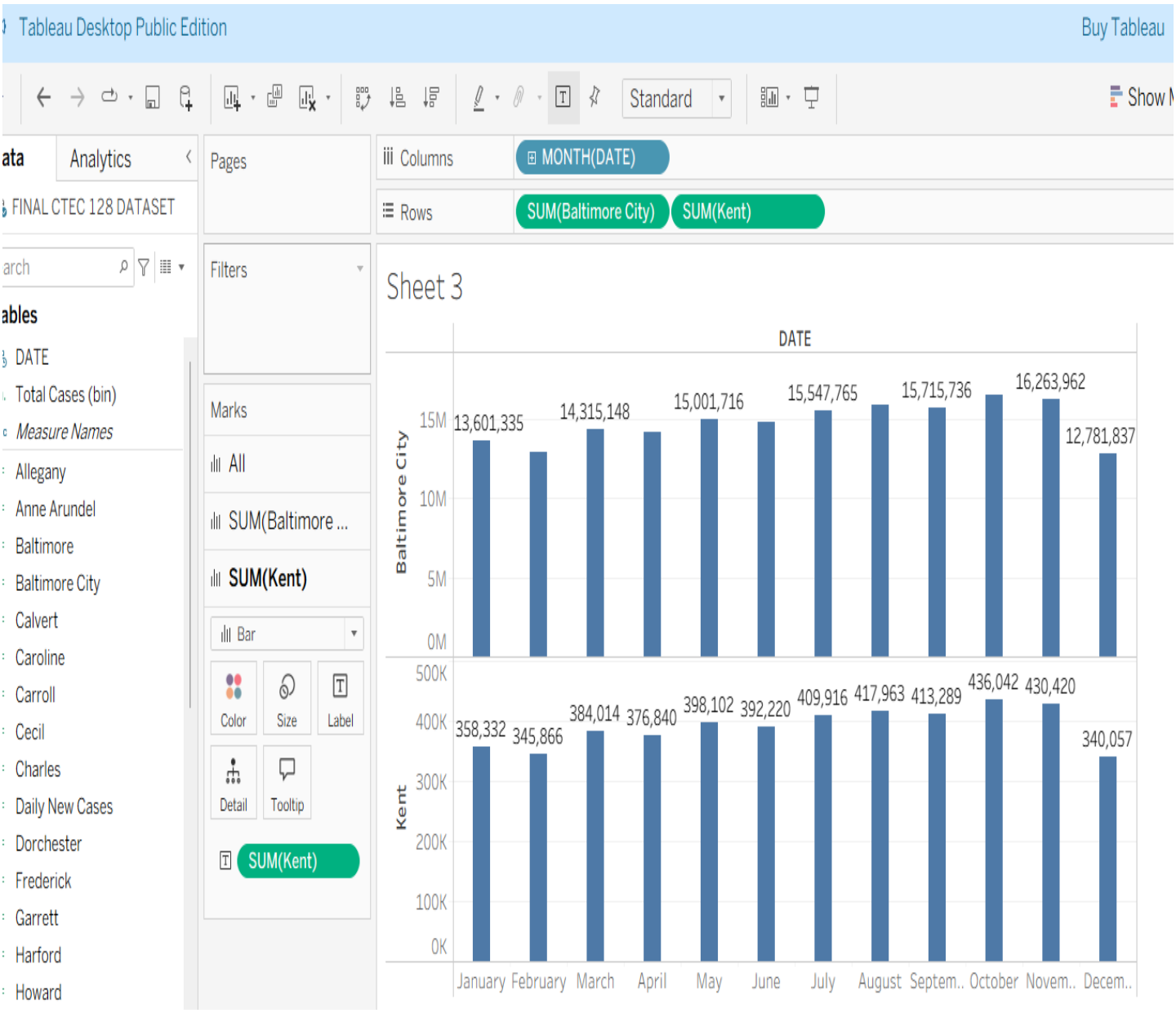


Tableau Desktop Public Edition
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Analytics
Pages
Columns
MONTH(DATE)
Rows
SUM(Baltimore City)
SUM(Kent)
FINAL CTEC 128 DATASET
Filters
Sheet 3
ables
DATE
Total Cases (bin)
Measure Names
Allegany
Anne Arundel
Baltimore
Baltimore City
Calvert
Caroline
Carroll
Cecil
Charles
Daily New Cases
Dorchester
Frederick
Garrett
Harford
Howard
Marks
All
SUM(Baltimore ...
SUM(Kent)
Bar
Color
Size
Label
Detail
Tooltip
SUM(Kent)
DATE
Baltimore City
15M
10M
5M
0M
13,601,335
14,315,148
15,001,716
15,547,765
15,715,736
16,263,962
12,781,837
Kent
500K
400K
300K
200K
100K
0K
358,332
345,866
384,014
376,840
398,102
392,220
409,916
417,963
413,289
436,042
430,420
340,057
January
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March
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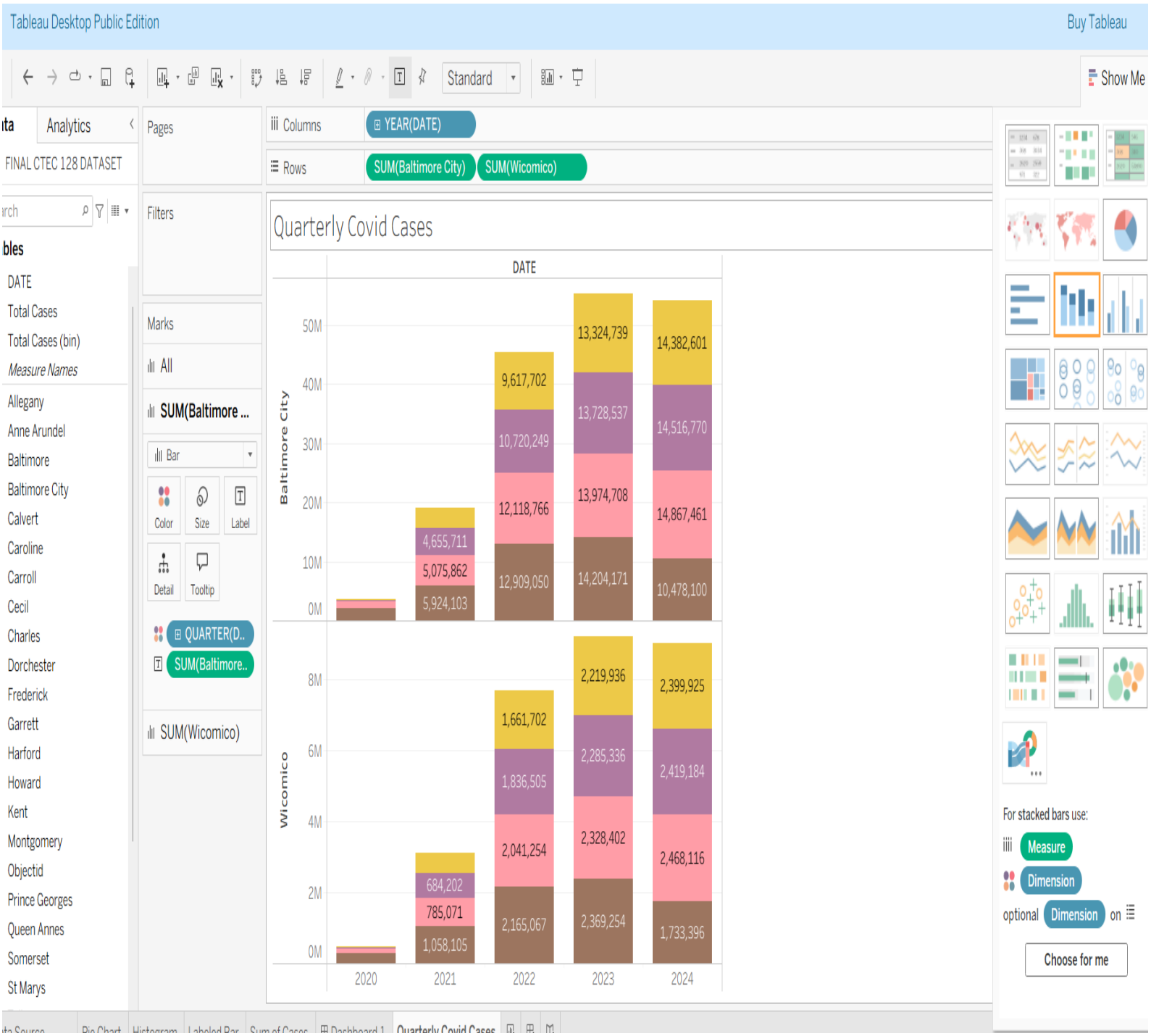
Tableau Desktop Public Edition
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Columns
YEAR(DATE)
Rows
SUM(Baltimore City)
SUM(Wicomico)
FINAL CTEC 128 DATASET
Filters
Marks
All
SUM(Baltimore ...
Bar
Color
Size
Label
Detail
Tooltip
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SUM(Baltimore..
SUM(Wicomico)
DATE
Total Cases
Total Cases (bin)
Measure Names
Allegany
Anne Arundel
Baltimore
Baltimore City
Calvert
Caroline
Carroll
Cecil
Charles
Dorchester
Frederick
Garrett
Harford
Howard
Kent
Montgomery
Objectid
Prince Georges
Queen Annes
Somerset
St Marys
Quarterly Covid Cases
DATE
Baltimore City
50M
40M
30M
20M
10M
0M
4,655,711
5,075,862
5,924,103
9,617,702
10,720,249
12,118,766
12,909,050
13,324,739
13,728,537
13,974,708
14,204,171
14,382,601
14,516,770
14,867,461
10,478,100
Wicomico
8M
6M
4M
2M
0M
684,202
785,071
1,058,105
1,661,702
1,836,505
2,041,254
2,165,067
2,219,936
2,285,336
2,328,402
2,369,254
2,399,925
2,419,184
2,468,116
1,733,396
2020
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2022
2023
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For stacked bars use:
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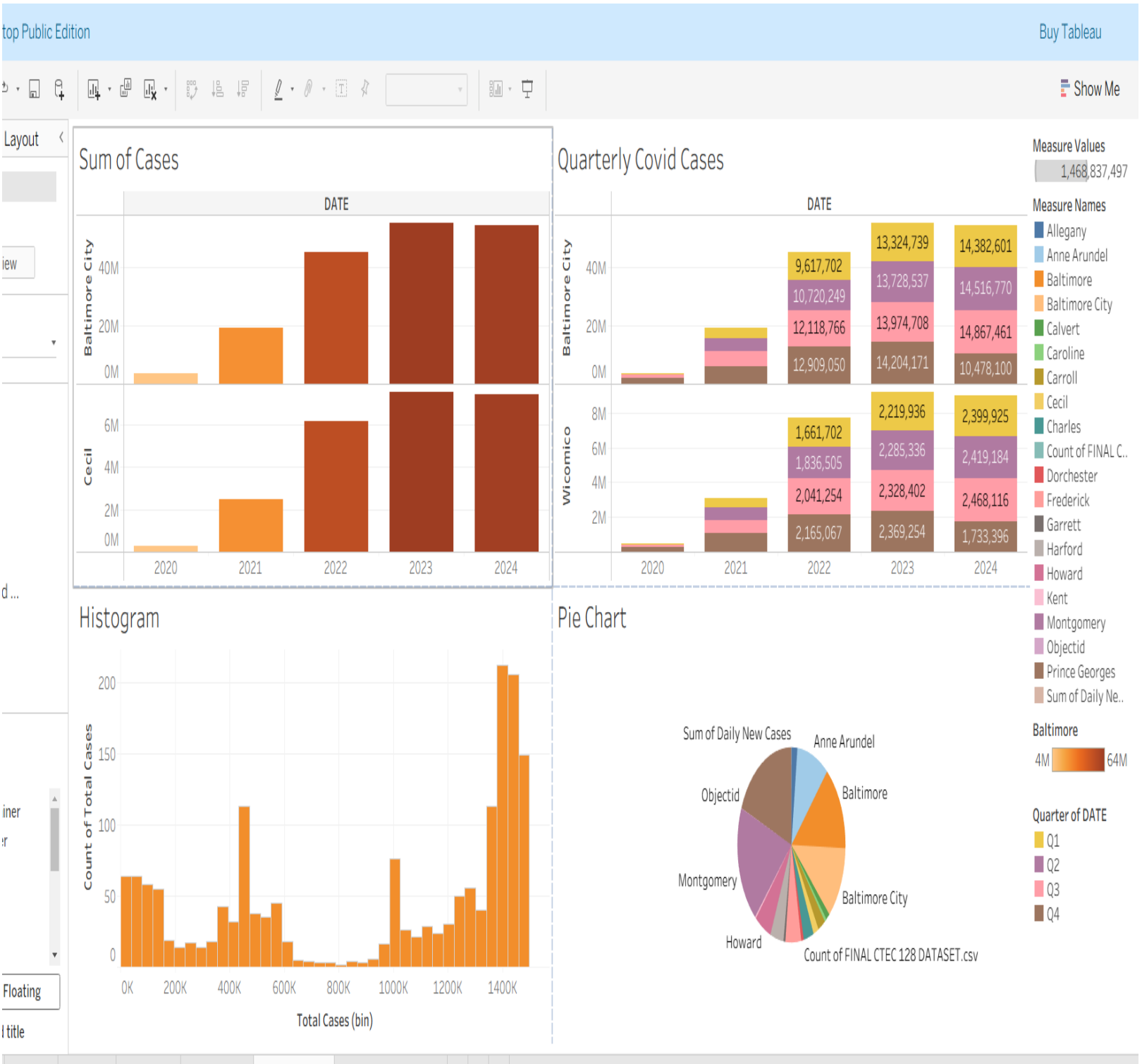
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Sum of Cases
DATE
Baltimore City
40M
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Quarterly Covid Cases
DATE
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40M
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9,617,702
10,720,249
12,118,766
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2020
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2022
2023
2024
Measure Values
1,468,837,497
Measure Names
Allegany
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Baltimore
Baltimore City
Calvert
Caroline
Carroll
Cecil
Charles
Count of FINAL C..
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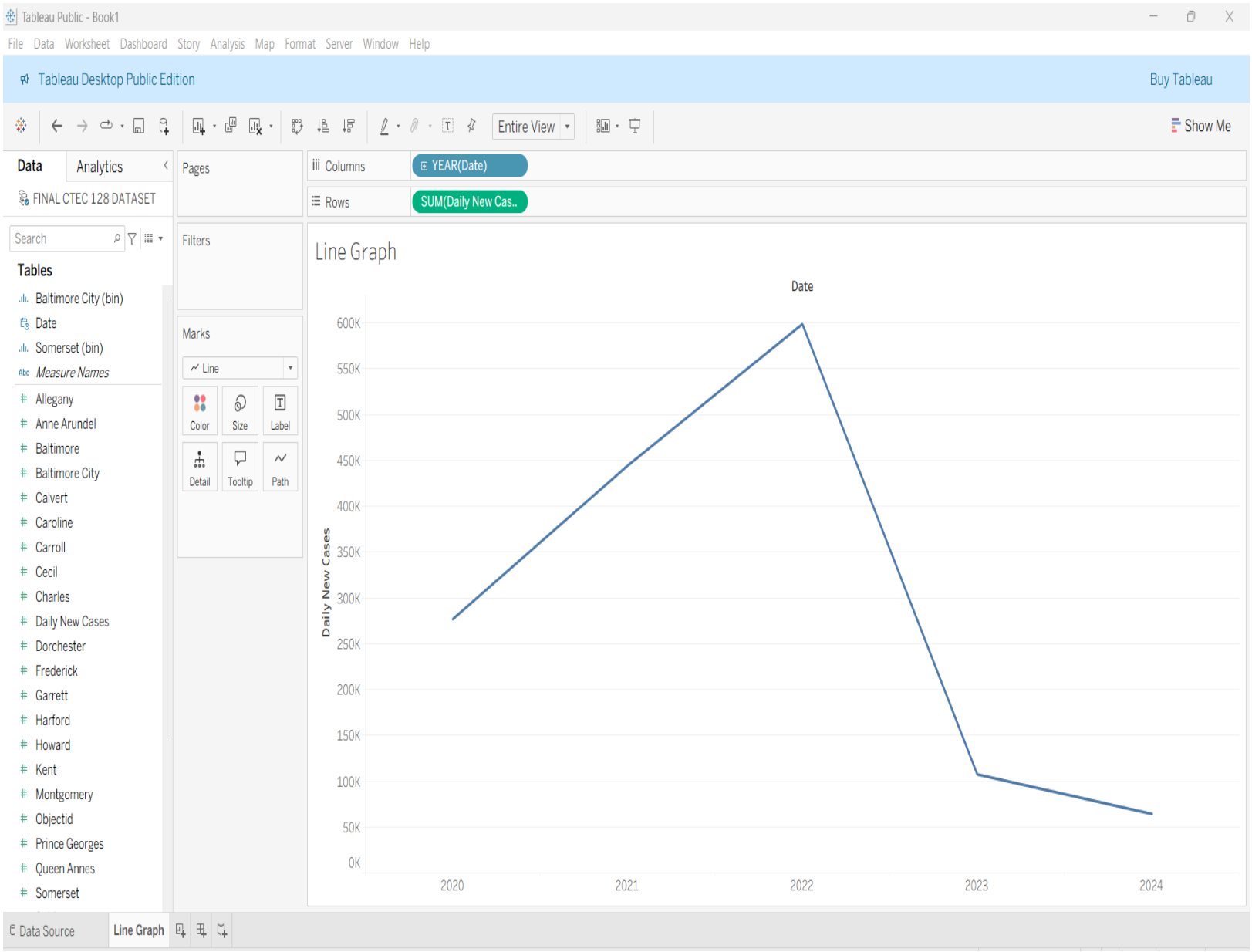
Frederick
Garrett
Harford
Howard
Kent
Montgomery
Objectid
Prince Georges
Sum of Daily Ne..
Baltimore
4M
64M
Quarter of DATE
Q1
Q2
Q3
Q4
Histogram
Count of Total Cases
200
150
100
50
0
0K
200K
400K
600K
800K
1000K
1200K
1400K
Total Cases (bin)
Pie Chart
Sum of Daily New Cases
Anne Arundel
Baltimore
Baltimore City
Count of FINAL CTEC 128 DATASET.csv
Howard
Montgomery
Objectid
Floating
title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Show Me
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Analytics
FINAL CTEC 128 DATASET
Search
Tables
Baltimore City (bin)
Date
Somerset (bin)
Measure Names
Allegany
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Baltimore
Baltimore City
Calvert
Caroline
Carroll
Cecil
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Daily New Cases
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Frederick
Garrett
Harford
Howard
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Montgomery
Objectid
Prince Georges
Queen Annes
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2024
Data Source
Line Graph

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Data | Analytics

FINAL CTEC 128 DATASET

Search

Tables

- DATE
- *Measure Names*
- Allegany
- Anne Arundel
- Baltimore
- Baltimore City
- Calvert
- Caroline
- Carroll
- Cecil
- Charles
- Daily New Cases
- Dorchester
- Frederick
- Garrett
- Harford
- Howard
- Kent
- Montgomery
- Objectid
- Prince Georges
- Queen Annes
- Somerset
- St Marys
- Talbot

Pages

Filters

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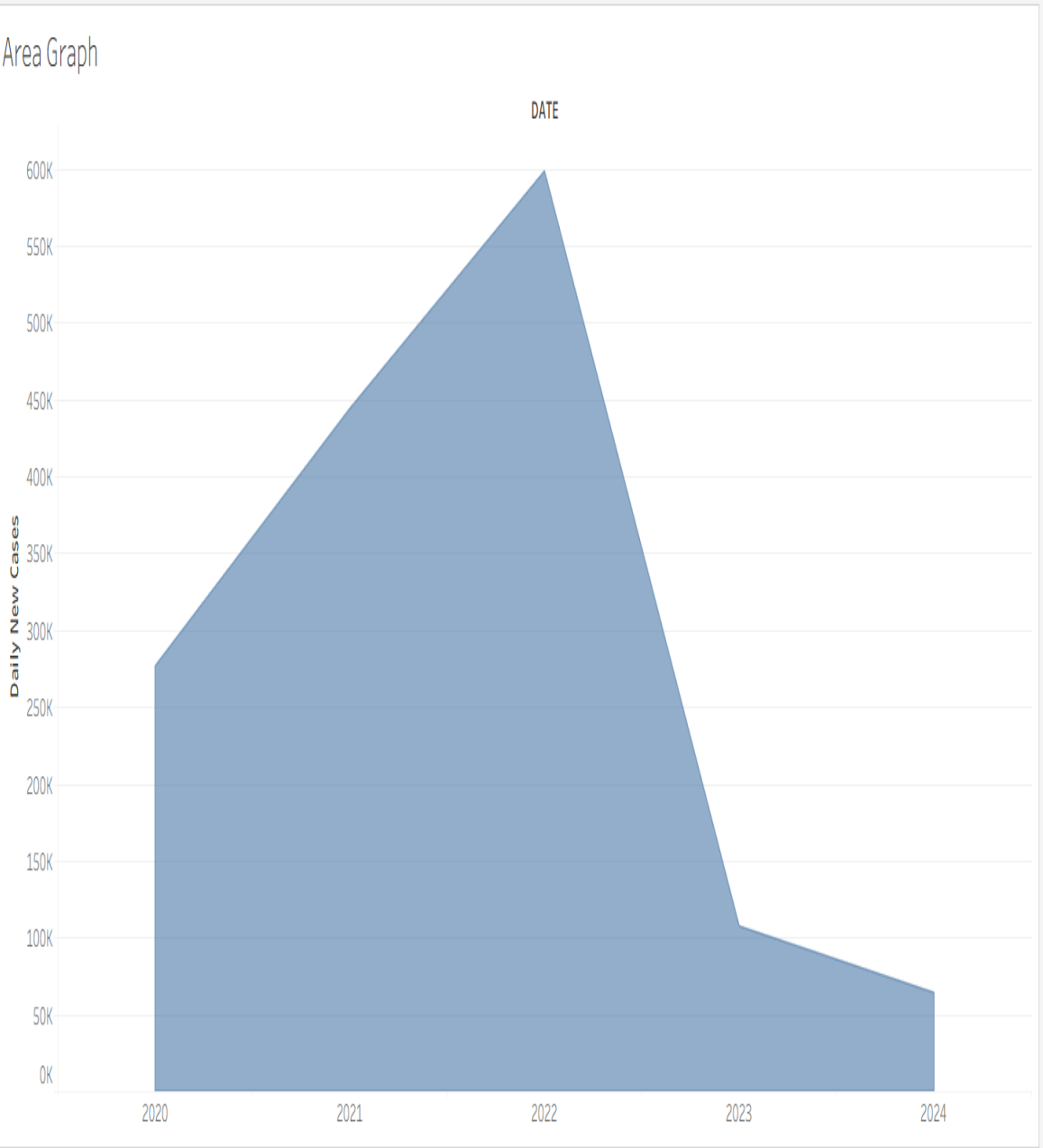
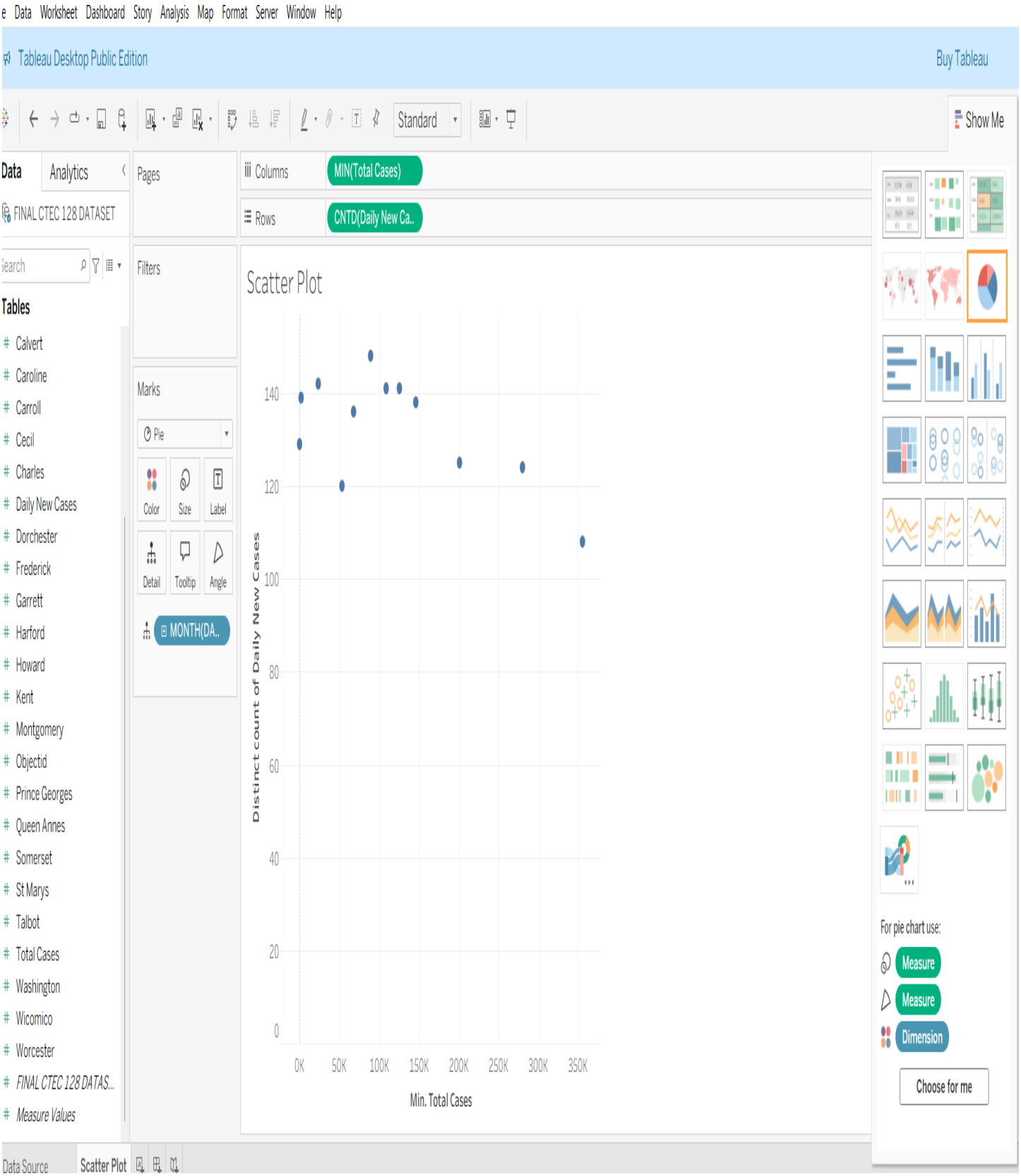
Area

Color | Size | Label | Detail | Tooltip

Columns: YEAR(DATE)

Rows: SUM(Daily New Cas..

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Prince Georges
Queen Annes
Somerset
St Marys
Talbot
Total Cases
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Wicomico
Worcester
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Measure Values
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Tooltip
Angle
MONTH(DA..
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MIN(Total Cases)
Rows
CNTD(Daily New Ca..
Scatter Plot
Distinct count of Daily New Cases
0
20
40
60
80
100
120
140
0K
50K
100K
150K
200K
250K
300K
350K
Min. Total Cases
For pie chart use:
Measure
Measure
Dimension
Choose for me
Data Source
Scatter Plot

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Data Analytics

FINAL CTEC 128 DATASET

Search

Tables

DATE
Measure Names
Allegany
Anne Arundel
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Baltimore City
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Caroline
Carroll
Cecil
Charles
Daily New Cases
Dorchester
Frederick
Garrett
Harford
Howard
Kent
Montgomery
Objectid
Prince Georges
Queen Annes
Somerset
St Marys
Talbot

Pages

Columns

Rows

Filters

Measure Names

Marks

Pie

Color Size Label

Detail Tooltip Angle

Measure Na..
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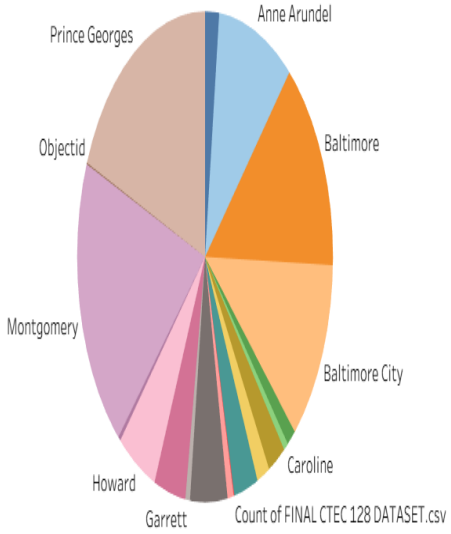
Measure Na..
Measure Na..

Measure Values

SUM(Allegany)
SUM(Anne Arundel)
SUM(Baltimore)
SUM(Baltimore City)
SUM(Calvert)
SUM(Caroline)
SUM(Carroll)
SUM(Cecil)
SUM(Charles)
CNT(FINAL CTEC 12..

Pie Chart



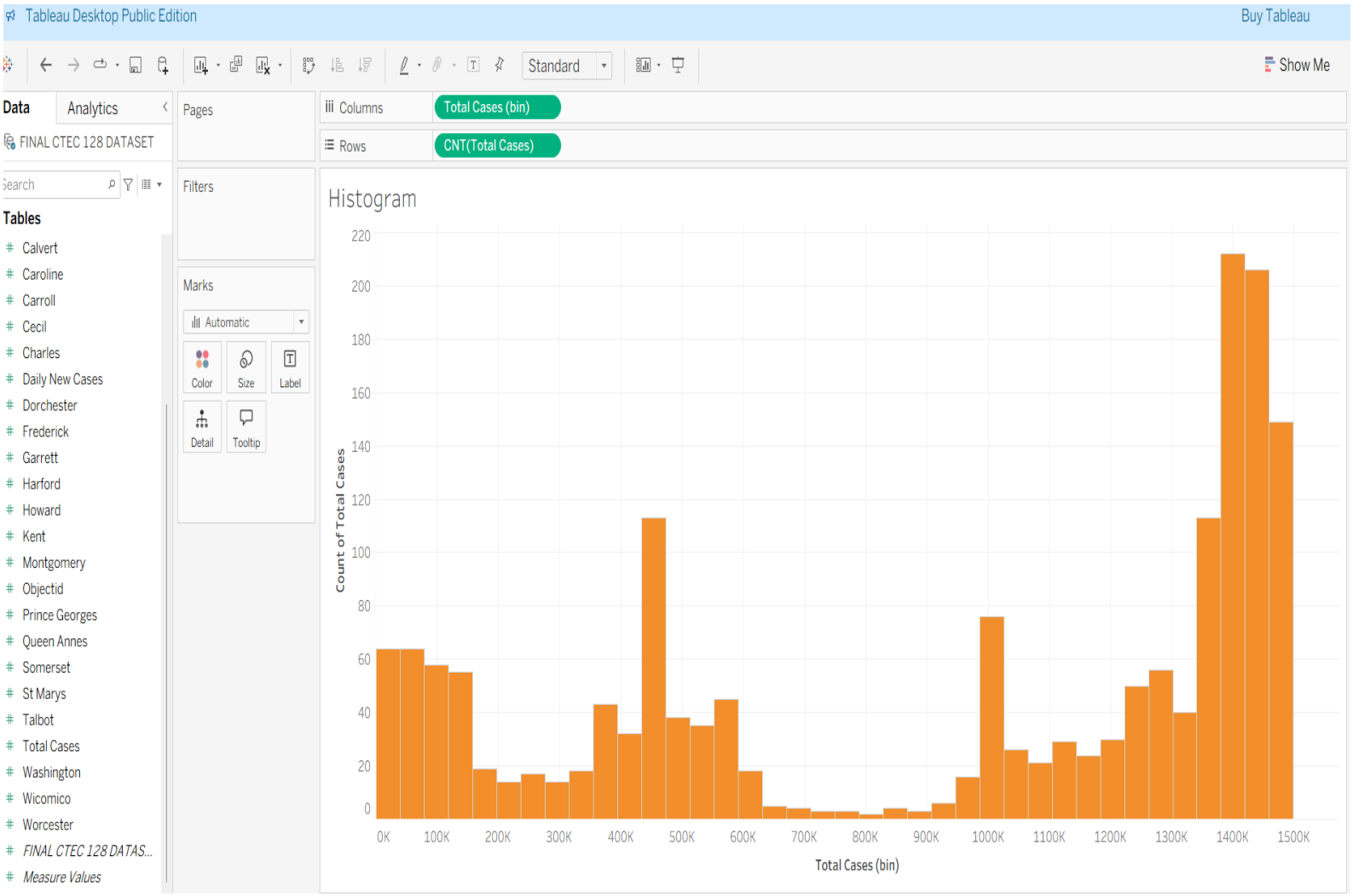
For pie chart use:

Measure
Measure
Dimension

Choose for me

Data Source Pie Chart

20 marks 1 row by 1 column SUM of Measure Values: 1,468,837,497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Prince Georges
Queen Annes
Somerset
St Marys
Talbot
Total Cases
Washington
Wicomico
Worcester
FINAL CTEC 128 DATAS...
Measure Values
Pages
Filters
Marks
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Size
Label
Detail
Tooltip
Columns
Total Cases (bin)
Rows
CNT(Total Cases)
Histogram
Count of Total Cases
0
20
40
60
80
100
120
140
160
180
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220
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100K
200K
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400K
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700K
800K
900K
1000K
1100K
1200K
1300K
1400K
1500K
Total Cases (bin)