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CTEC 298-101

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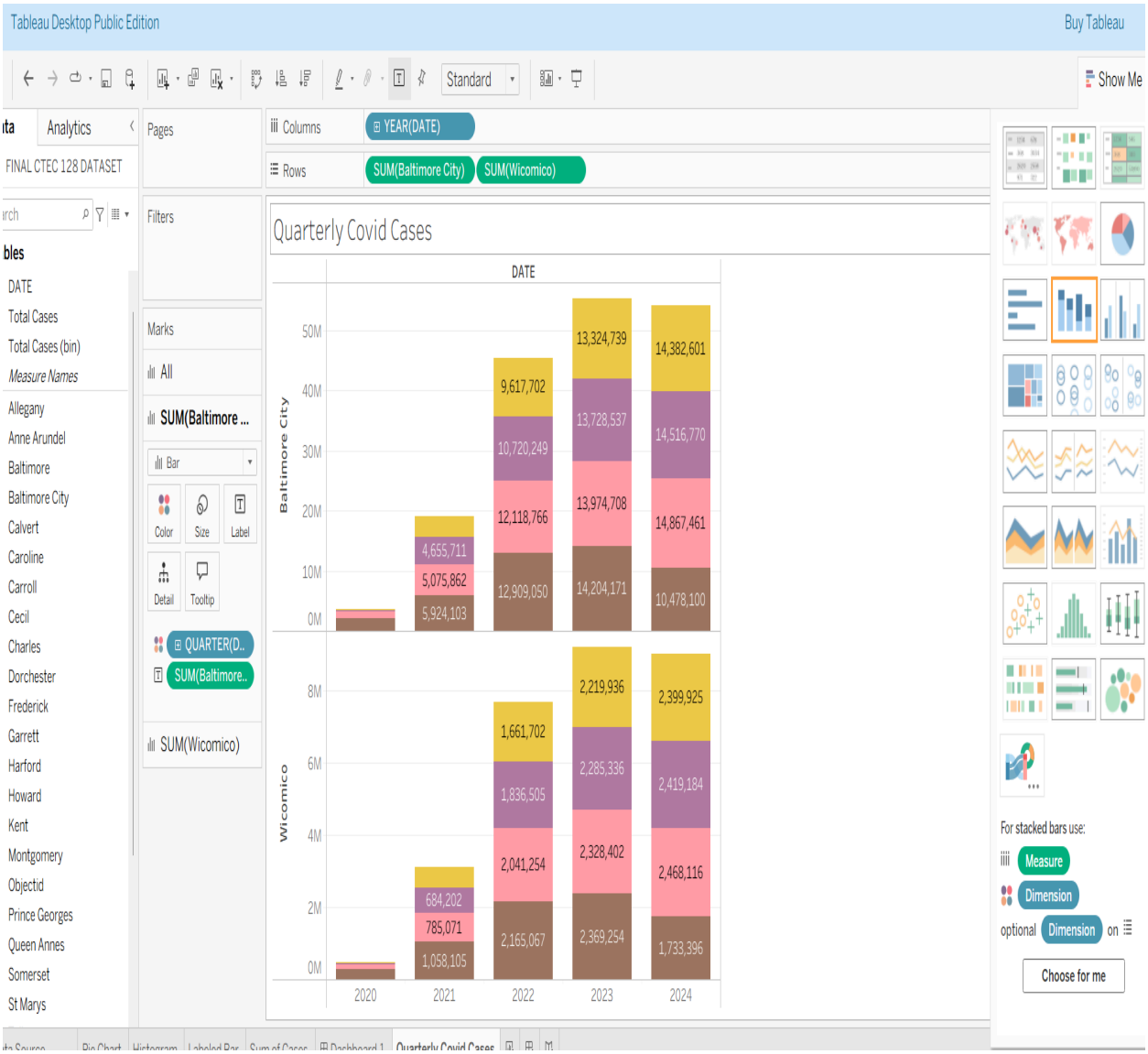
Two Tableau Plot Narrative

Quarterly Covid Cases: Stacked Bar Chart:



Quarterly Covid Case Narrartive: In my Tableau visualization, I created a stacked bar chart that compares quarterly COVID-19 case totals between Baltimore City and Wicomico County. To build this view, I placed the **SUM of Total Cases** on the Rows shelf, and I dragged **Date** to the Columns shelf, breaking it down by **YEAR(Date)** and then into **Quarter(Date)** to show how the numbers changed throughout each year. Each bar is divided by county, which allows the viewer to clearly see the difference in COVID-19 spread between an urban area like Baltimore City and a smaller county like Wicomico. The height of each bar represents the total number of cases for that specific quarter, and the stacked colored sections show how much each county contributed to that quarter's total. This visualization makes it easy to identify spikes, compare trends across years, and spot patterns such as which quarters experienced the highest case activity. Overall, the plot provides a straightforward side-by-side comparison of the two counties while showing how COVID-19 case numbers rose and fell over time.

Pie Chart: SUM of Dailey New Cases

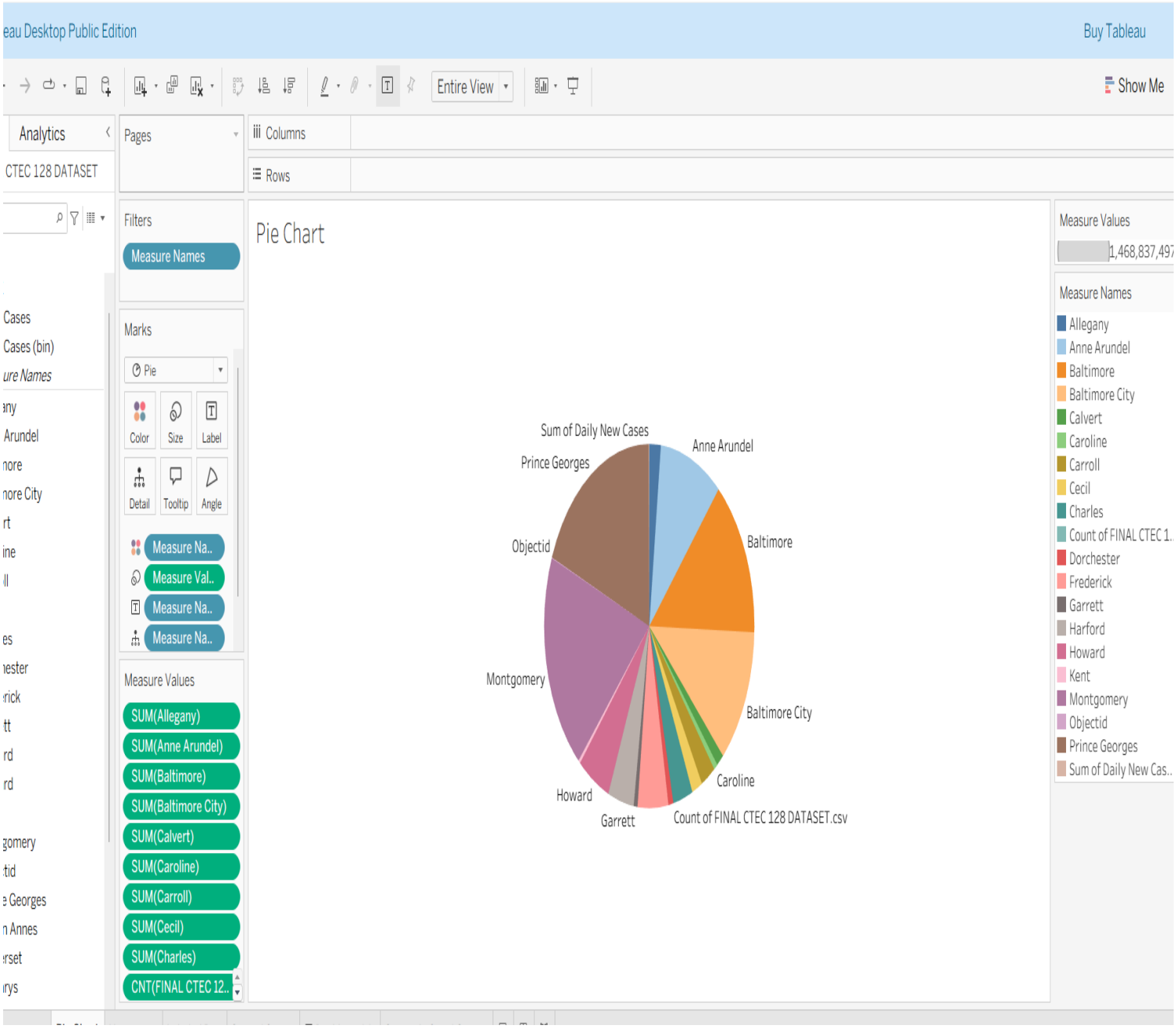


Tableau Visualization 2 – Pie Chart of Daily New COVID-19 Cases by County

For the second Tableau visualization, I created a pie chart that displays the **sum of daily new COVID-19 cases for each county in Maryland**. Each slice of the pie represents one county, and the size of the slice reflects how many new cases that county contributed across the full time range in the dataset. This makes it easy to compare the relative impact of different counties at a glance. From the chart, it's clear that larger counties like **Baltimore**, **Baltimore City**, **Montgomery**, and **Prince George's** take up the biggest portions of the pie, showing that they had higher numbers of new reported cases overall. Smaller rural counties make up much smaller slices, which visually confirms the differences in population density and case spread. This chart gives a simple but effective overview of how the burden of new COVID-19 cases was distributed across Maryland.