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D601 Data Storytelling for Varied Audiences

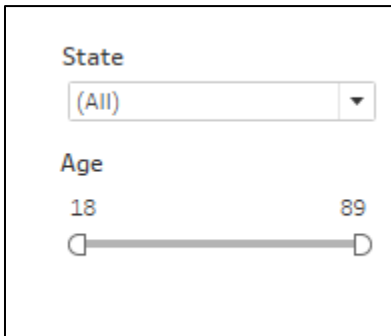
VKN1 – Building an Interactive Data Dashboard

### **My Interactive Tableau Dashboard Can be found here:**

[https://public.tableau.com/app/profile/robert.pavlik8285/viz/D601\\_Task1/Dashboard1?publish=yes](https://public.tableau.com/app/profile/robert.pavlik8285/viz/D601_Task1/Dashboard1?publish=yes)

You can interact with the dashboard using the website, or if you have access to Tableau, you can download it and access it that way.

### **Filters:**

A screenshot of a Tableau dashboard's filter panel. It contains two filters: 'State' and 'Age'. The 'State' filter is a drop-down menu with '(All)' selected. The 'Age' filter is a range slider with a minimum value of 18 and a maximum value of 89. The slider has a horizontal bar with circular handles at each end.

The filters included in the dashboard are State and Age.

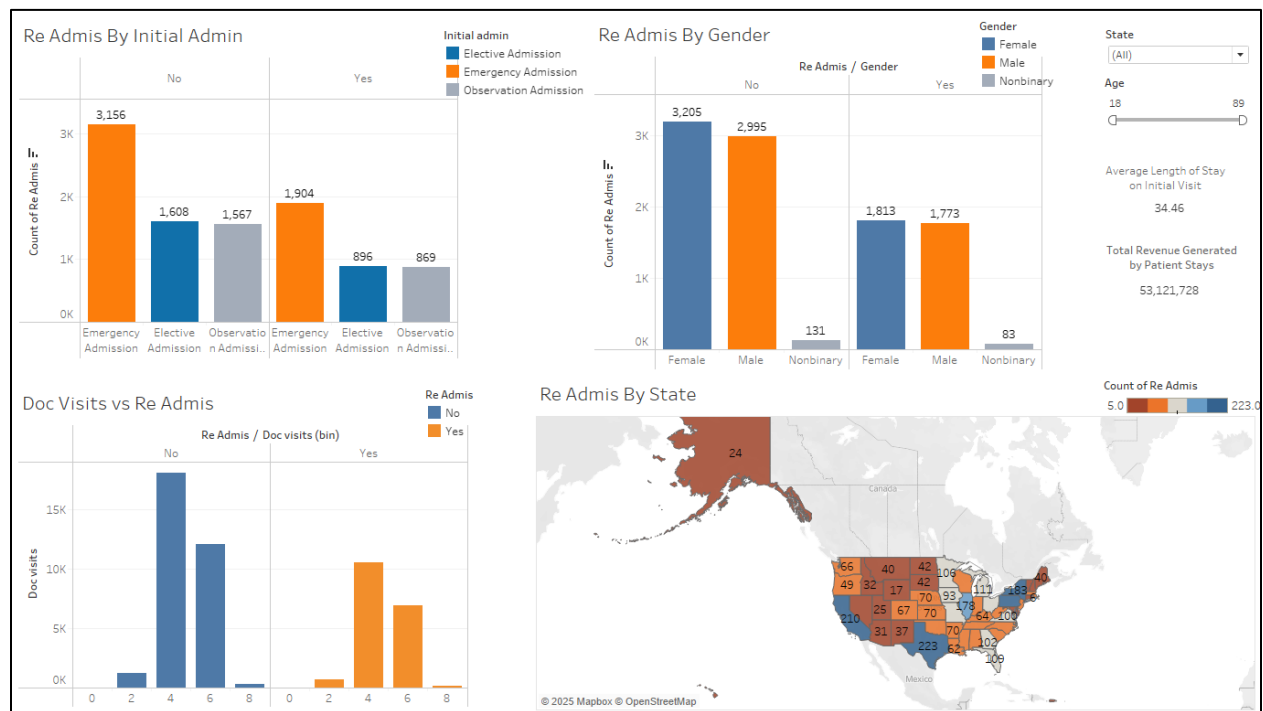
State:

This is a drop-down filter with all 50 US States. You can select (ALL) to see all the data for all 50 states. Or you can select which states you do or do not want to see by using the check box next to each state name.

Age:

This is a slider scale filter, showing the age range, you want to include in the data you are looking at. The bottom (or left side) part of the slider will be the minimum age you wish to see included in the data and the top (or right side) part of the slider will be the maximum age you wish to see included in the data.

## Visualizations:



This screenshot of the completed dashboard with all the visualizations, filters, and KPIs integrated. All the Visualizations (and KPIs) can be filtered by State and Age. So, the user can look deeper into the data directly from the dashboard.

On the top left, you have Re Admissions by The Reason for Initial Admission. This shows the number of times a Patient was or wasn't readmission to the hospital for each type of Initial Admission.

Next on the top level, you will see Re Admissions by Gender. This visualization shows each gender the number of times they were or weren't re-admission. This breaks down the information greatly when you use the filters of State and Age to look deeper into the data.

The bottom left visualization is Doc Visits vs Re Admis, which shows the number of times the primary care doctor visited a patient during the initial visit and then whether they were readmitted or not after.

The last visualization is the United States Map. It shows the Number of Readmissions by state. This is a great overview of the numbers that also give a better picture state by state when using the filters.

Lastly, the KPIs included in this show

- Average Length of Stay on the Initial Visit
- Total Revenue Generated by Patient State

Both are filterable by State and Age as well.