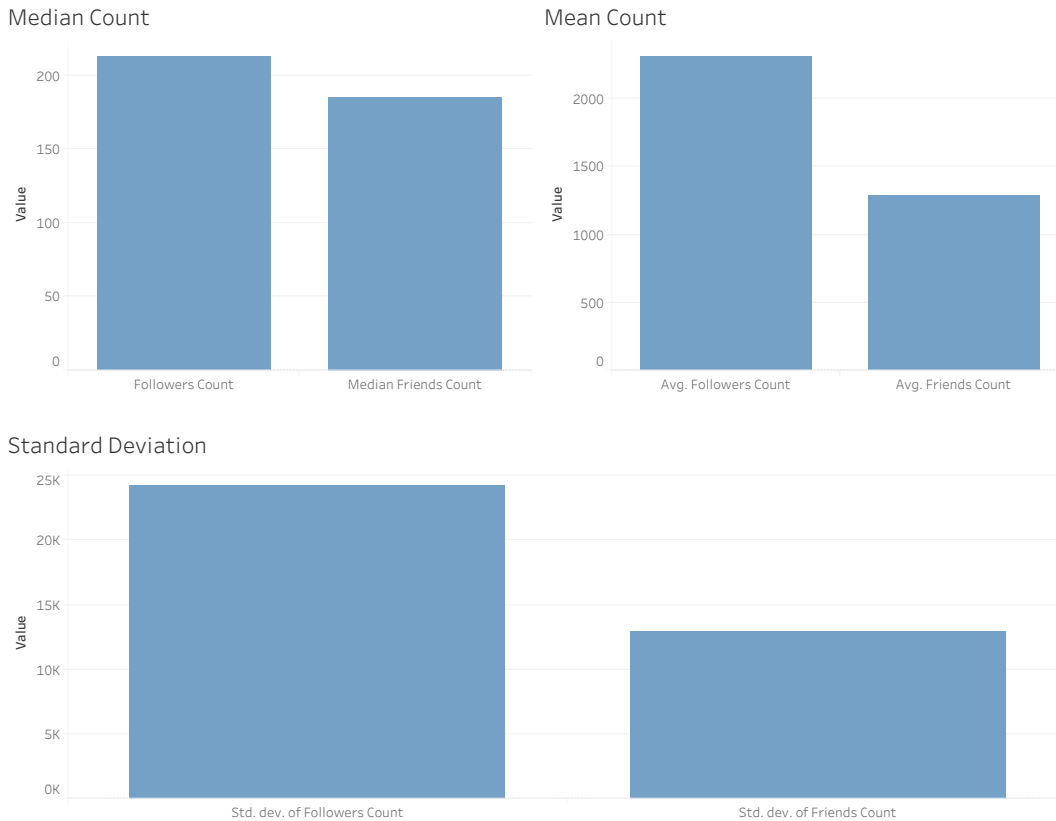


Web Exercise 3

1.

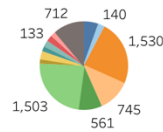
I utilized bar charts to compare these results. The charts all take different measures of the follower and friends count and plot them accordingly. As we can see, the Friend Count is always slightly lower than the Followers count. Overall, creating these bar charts in Tableau was very fun and easy.



2. To create these sheets, I utilized the lung cancer data from web exercise 2. To create the first sheet, which is a pie chart, I took the total rate of lung cancers and separated them by region. As we can see the highest total rates of lung cancer were in the east region. To create the second sheet, I created a bar chart which took the counts of lung cancer rates by race. From these results, we can see that white rates are significantly higher than any other race. For my final sheet, I utilized the averages of lung cancer cases based on age groups. As we can see there is a significant spike in age groups 65 plus. To share it to Tableau public, I created my own cloud account and just shared and exported it to my [website](#).

(<https://10az.online.tableau.com/#/site/najahizquierdo/workbooks/1882340/views>)

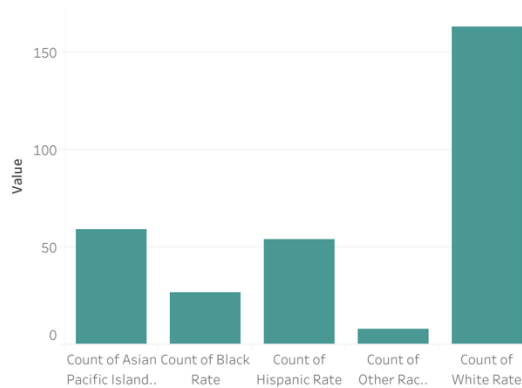
Total Rate of Lung Cancer (by Region)



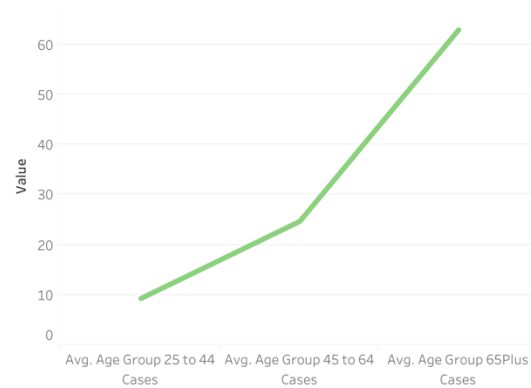
Region Name

- CENTRAL
- COUNTY
- EAST
- N CENTRAL
- N COASTAL
- N INLAND
- REGION CENTRAL
- REGION EAST
- REGION N CENTRAL
- REGION N COASTAL
- REGION N INLAND
- REGION SOUTH
- SOUTH
- UNKNOWN

Lung Cancer Rate (By Race)



Average Lung Cancer Cases (By Age)



- I think there are advantages and disadvantages to both R and tableau. R allows you access to several libraries which can make R more practical. However, tableau can make pattern discovery through data visualization more apparent to the naked eye. It seems to be easier to understand, but it may be difficult in regards to data manipulation. However, I do believe the tableau public function allows for data to be easily shared as opposed to R.
- I selected this data visualization [How MIXED is the MARTIAL ARTS in the UFC?](#). I thought this was beautifully done and informative. I think it is good practice to include "How to read" within the graphs for clarity. This showed that many fighters participate with extremely mixed styles. I chose this visualization because it has quite a large amount of data within it. It allows for the user to play with the data within certain Eras and weight classes. The summary of the data also allows us to see that average strike attempts are

93.3 per fight and submission attempts are 3.5.

