Assignment -2

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Problem-statement:

I have taken a data set of Corona virus effected cases all over the world and performed exploratory data analysis. This assignment helps in identifying number of cases recorded worldwide, which country and city has affected most with respect to first official recorded data i.e. 01/22/2020 and latest recorded data i.e. 03/09/2020. This helps in knowing the impact of corona virus on countries, so that the viewers can plan their travel as per the data shown. The below visualizations help them to decide soon which has effected most.
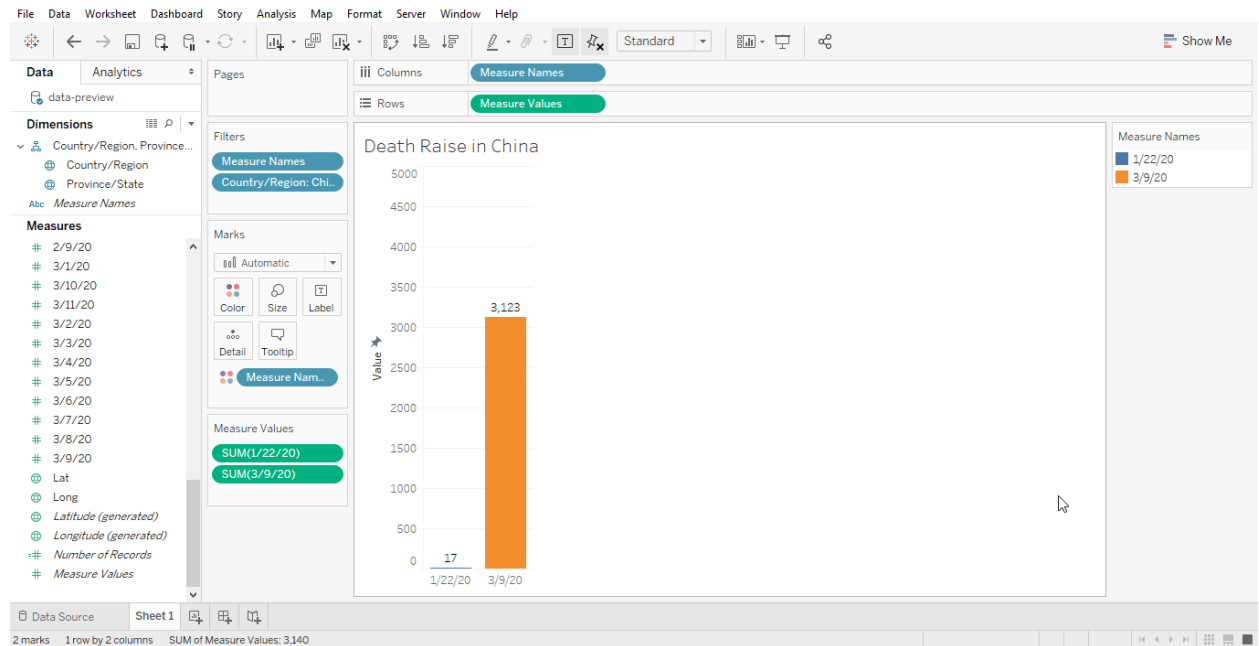
Data cleaning:

I have taken the data set from Novel-Corona-Virus 2020- 'Statistia.com' and viewed the data in excel first in order to find if this is the appropriate date that I can use to perform visualization. I have taken various data initially and could see that this data set has portrayed the information righty by confirming with few official websites. Then I have uploaded this data into tableau and started visualizing data into the questions I have prepared. This data has 1, 31,175 observations. Initially I have seen the world wide impact of corona virus, and then performed with individual countries and cities.
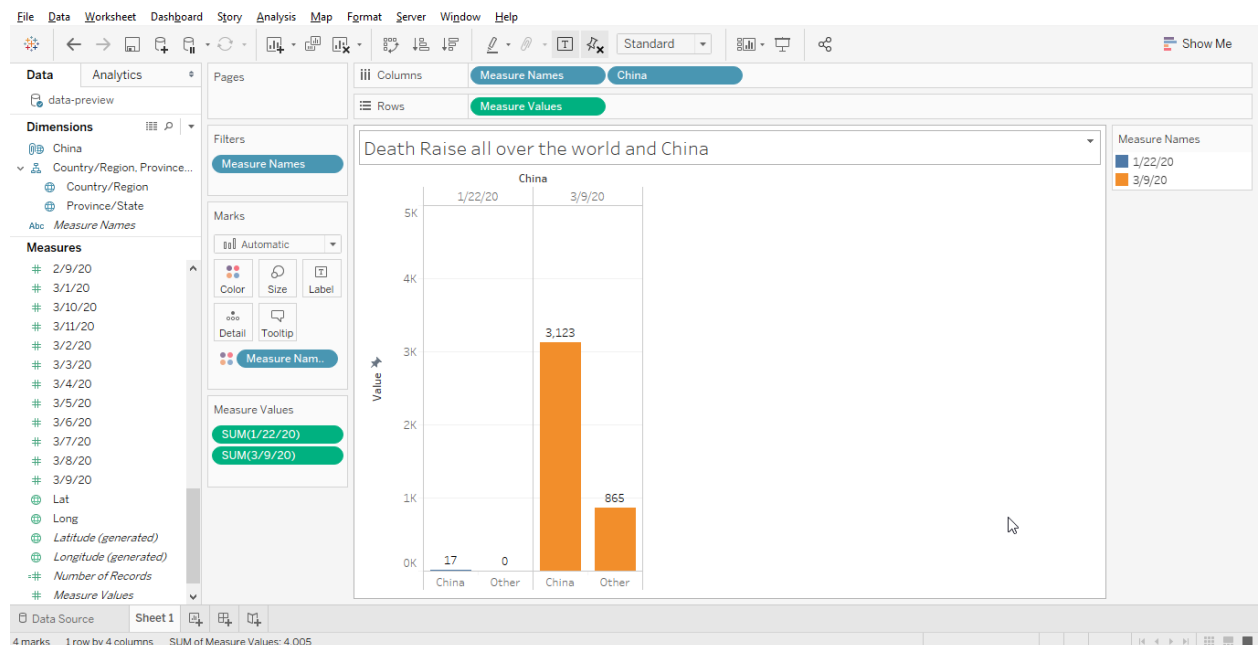
1. Which country has recorded most number of corona virus cases in the world?
A. China has recorded most number of corona virus cases in the world.

2. Which place in china has effected most due to corona virus cases?

A. "Hubei" place in china has recorded most number of cases in china. By observing the below snapshot we can say there is a significant rise in Hubei place in a span of 40 days.

3. How much is the death toll rise in China from first official effected date to latest date?

A. By seeing the below statistics, we can say that China has experienced a significant rise in the number of deaths in corona virus cases. It has
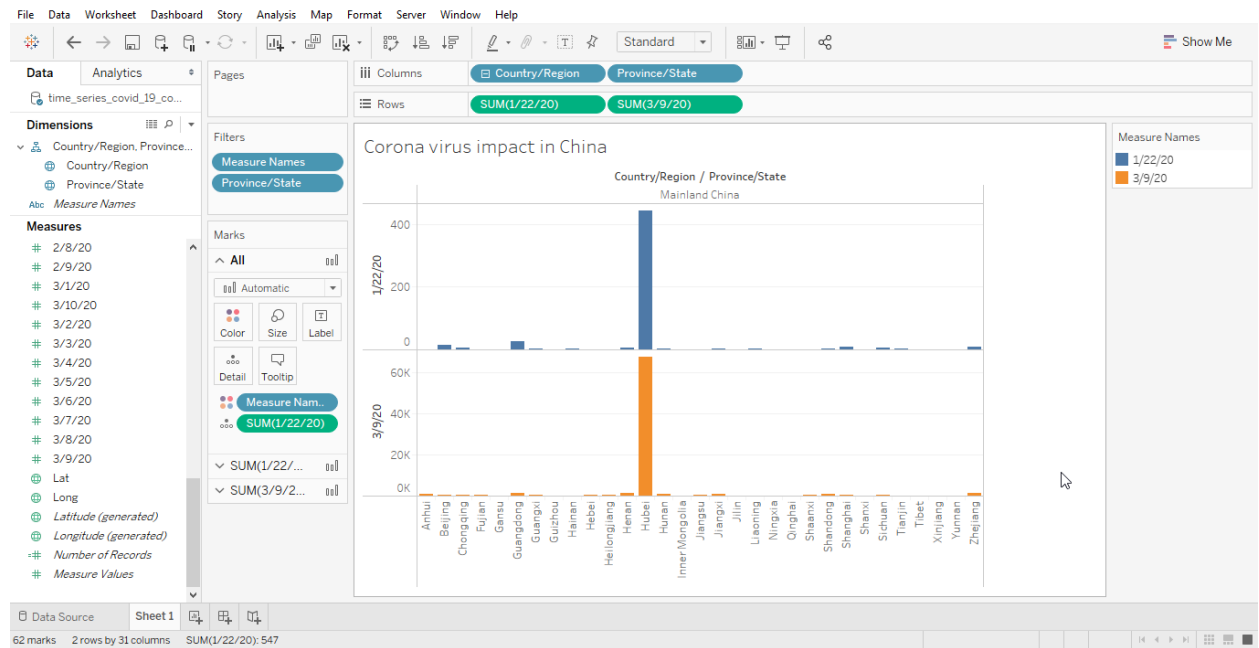
increased highly from 17 to 3,123 in a span of 40 days. The death toll rise is
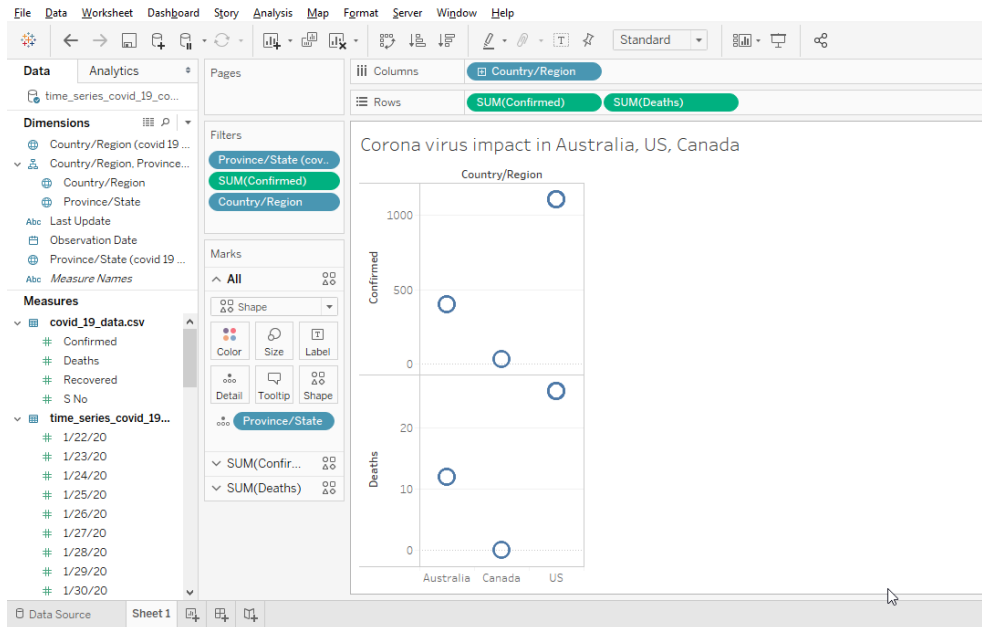3,106 from the start date.

4. How many deaths have been recorded in rest of the countries when
   compared with china?
A. As per the latest updated date - 03/09/2020, rest of the countries have
   recorded 865 deaths while China has recorded a massive total of 3,123.
   Together the whole world witnessed 3,998 deaths in the span of 40 days.

5. What is the corona virus effected cases raise in Hubei country from the first official date to latest update date?

A. By seeing the below statistics, we can say that Hubei as on 01/22/2020 recorded 444 cases and then it has seen a high growth to 67,743 by 03/09/2020.

6. Which region has affected most among Australia, U.S.A and Canada?

A. By observing the below statistics of confirmed and death cases in the three regions, we can say that U.S has effected most in terms of both confirmed and death cases of corona virus.

7. How many corona cases have been confirmed in U.S?
A. By seeing the below graph and hovering on the region we need, we can know the exact number of cases that has been registered in U.S. I could see that 1,109 cases have been confirmed with corona virus.