

Interpret a Data Visualization Project

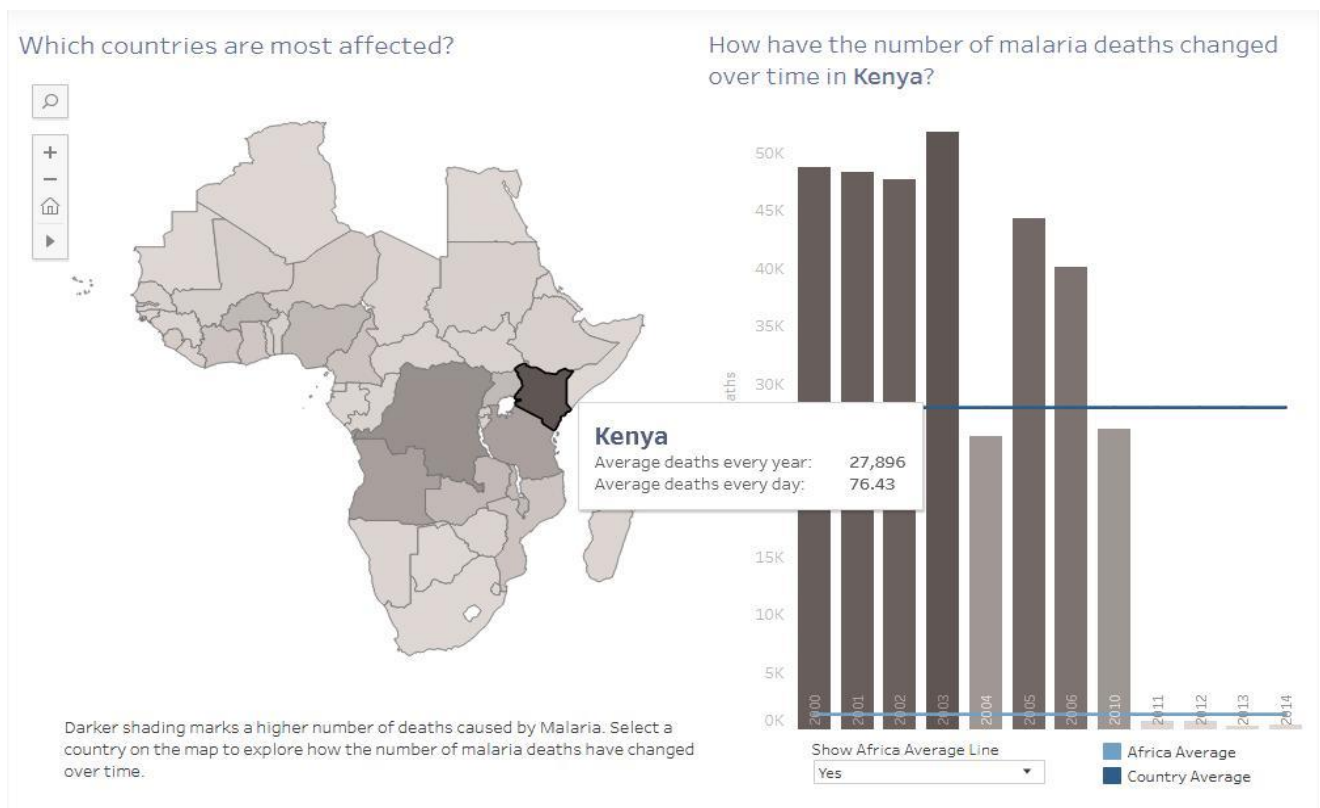
Malaria Deaths in Africa 2000 – 2014

INSIGHTS DERIVED FROM THE DASHBOARD:

To study insights from the dashboard, top three countries have been taken, according to the average number of deaths caused due to Malaria every year. These three countries that have highest number of Malaria deaths are **Kenya, Democratic Republic of the Congo and Angola**.

INSIGHT 1:

Kenya



- Average deaths per year = 27,896
- Average deaths per day = 76.43

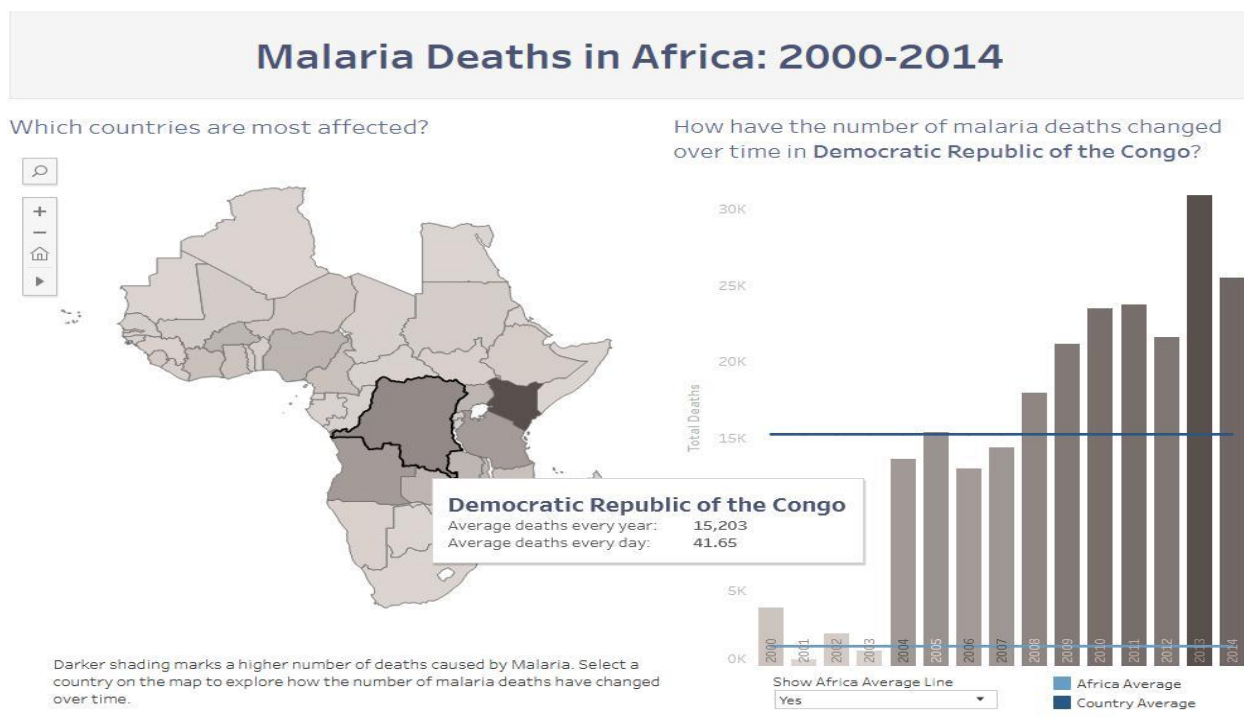
Hovering over the map, I was able to find the top 3 countries with highest average Malaria deaths in a year. After selecting Kenya on the map, I was able to interpret the insights as bulleted by seeing the bar graph on the dashboard.

Moreover, the African Average and Country Average lines, are beneficial in better assessing the number of deaths in the corresponding years.

- Year 2003 showed highest deaths among all other years, with more than 50,000 deaths.
- Decline in deaths occurred in 2004, almost half of that of 2003.
- A rise in deaths is seen once again in 2005 rising almost to 45000. However, they show a decrease in 2006 and reaching almost same as of 2004 in 2010.
- After 2010, the number of deaths has significantly decreased, not crossing even 5000 mark for consecutive years 2011,2012,2013.
- 2013 is the best year ever for Kenya with number of deaths below the African Average.
- 2014 did show an increase in the deaths than the previous year but it is still below the African Average.

INSIGHT 2:

Democratic Republic of the Congo

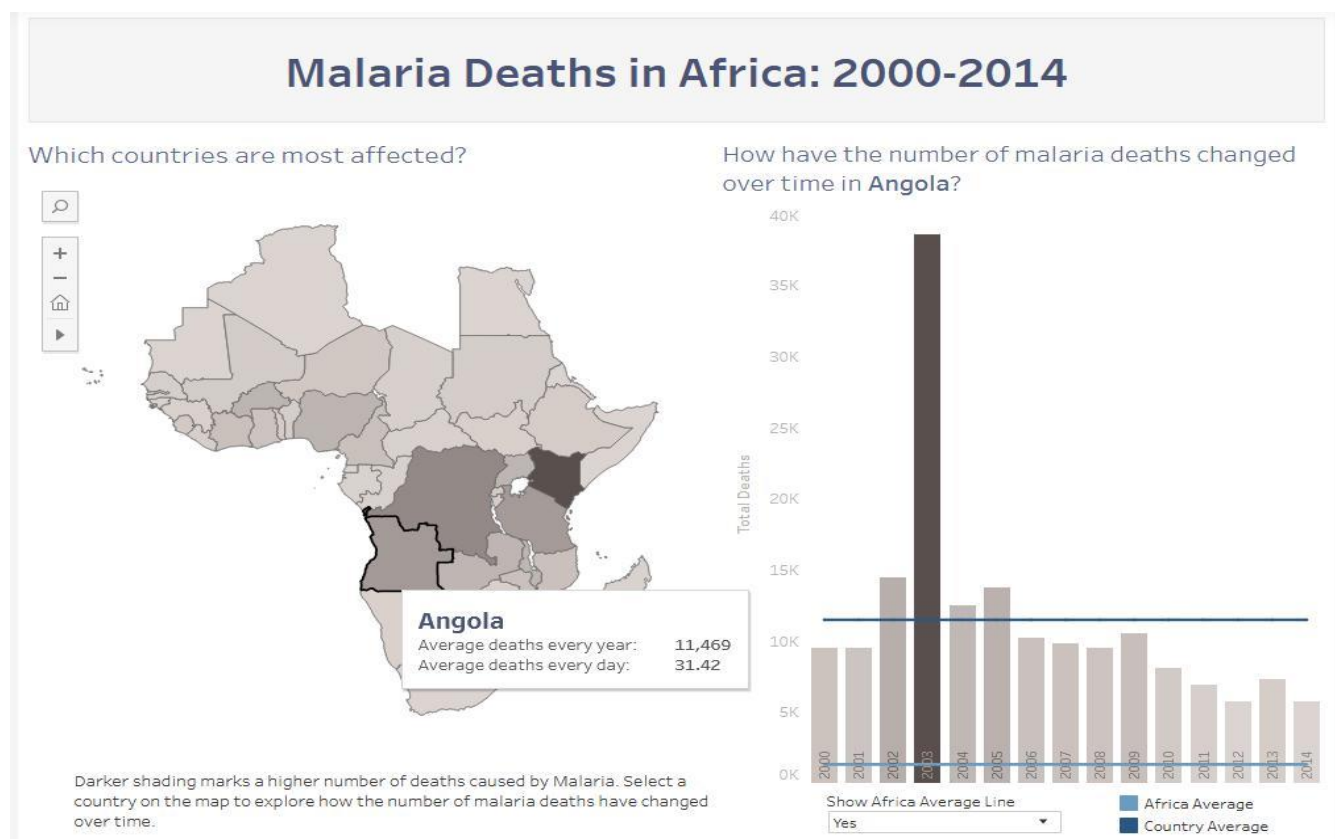


On selecting Democratic Republic of the Congo i.e. the second country with highest Malaria deaths on the map, I was able to interpret the following bulleted insights by looking at the bar graph; including that after 2003, there was a rapid increase in Malaria deaths which surpassed 30,000 in 2013!

- Average deaths per year = 15,203
 - Average deaths per day = 41.65
- 2001 was the best year ever for Congo with almost negligible malaria cases in that year.
 - Year 2003 was right below the African average, then a sudden increase started from the year 2004, which slightly exceeded the country average (15,203/year) in 2005.
 - There is a general increasing trend in Malaria deaths with negligible decrease in some years. The deaths reached highest in 2013, surpassing the 30,000 mark.
 - The number of deaths decreased in 2014 to almost 25,000 from over 30000 than the previous year but it is still nearly 10,000 more than the country average which is quite alarming.

INSIGHT 3:

Angola



Angola is at the third position in yearly average deaths caused due to Malaria which I found by hovering over the African map and noting the yearly death counts. By looking at the bar graph, we can see that 2003 was the worst year in terms of Malaria casualties as close to 40,000 people died that year!

- Average deaths per year = 11,469
- Average deaths per day = 31.42

- There were massive number of deaths due to Malaria in the year 2003, close to 40,000.
- Deaths have been always below the Country average (11,469/year) from year 2000 to year 2014 with an exception from 2002 to 2005 when deaths exceeded that limit.
- Year 2012 and 2014 had least number of deaths from malaria i.e. slightly greater than 5000.