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Introduction

Goal: to clearly visualize the data chosen, using Microsoft Power BI The data used is about the number of deaths by year and the type of disease that causes it. 2 question we found are :
1. Which disease causes the most deaths in a certain year?
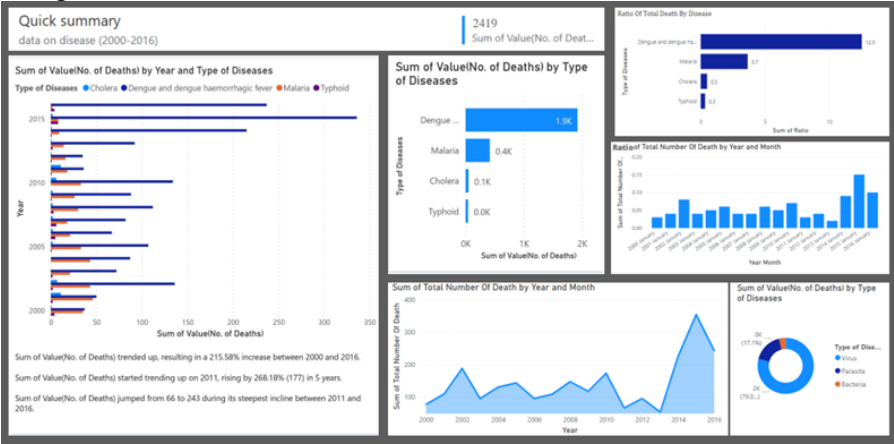2. Which year has the most number of deaths?

Trends of Data analytics in Different Sectors and Industrial Talk 7 related to Microsoft Power BI including reflection.

Three different sectors in data analytics methods are Data Analysis, Data Analytics and Data Science. Data Analysis mainly focuses on processes and functions. Data Analytics manages information, dashboards and reporting. Data science deals with various data operations such as organizing and analyzing large portions of data through custom-designed analytical software. All these sectors work together to turn big data into useful and valuable information. From industrial talk 7 , Microsoft Power BI is a set of software services, applications, and connections that work together to transform different data sources into coherent, visually engaging, and interactive insights, known as data visualization, used by most companies. Data visualization is important because it helps conveying information in the most efficient way possible. The type of chart used to visualize data discussed are line chart , pie chart , bar chart , scatter plot chart , bubble chart and heat map variations .

Discussion of the results for data visualization

Based on the visualization, Dengue is the most infectious disease among the four (Dengue, Malaria, Cholera and Typhoid). One of the main reasons that we can conclude is that Dengue is caused by virus infection (Malaria from parasites, Cholera and Typhoid from bacteria) which is the fastest growing microorganism type. In addition, Virus is harder for our body to purge since we cannot use antibiotics to help with the recovery process and have to rely on either vaccines or just our natural immune system. Cholera and Typhoid case number is very low compared to Dengue and Malaria because bacterial infections are easier to cure.

Conclusion

To summarize, a dashboard report is a graphical user interface that displays key performance indicators (KPIs) associated with a certain goal or business process while providing a consolidated view of all data, increased visibility, time-saving efficiency, and improved forecasting. Microsoft Power BI is an excellent programme for converting data into a graphical structure based on the data chosen, which is the number of deaths due to disease. Using Microsoft Power BI to create a dashboard report is extremely efficient due to the user-friendly user interface. The goal is to figure out which disease has the greatest yearly death rate and which year has the most deaths. Dengue and dengue hemorrhagic fever are the most common infections that result in death each year, according to the data. Following that, the year with the greatest yearly death toll is 2015, with 354 deaths. Finally, dengue and dengue hemorrhagic fever are the major causes of death in the United States each year.