

## Power BI Exercise Lab: Cholera Data Analysis

### Part One: Data Load and Prepare

- Download Cases.csv, Deaths.csv, and Continent.csv
- Load the three CSV files as separate tables .
- Create a new column named Country\_Year in both Cases and Deaths by merging Country and Year.
- Merge Cases and Deaths queries as New, joining on Country\_Year with an Inner Join
- Remove the Country\_Year column from the merged query
- In the Queries pane, right-click Cases and Deaths, then uncheck Enable Load

### Part Two: creating visuals

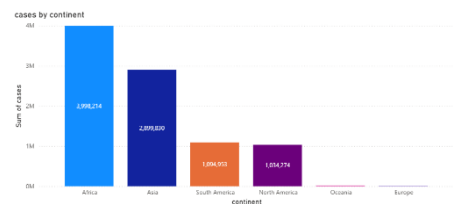
#### Step 1: slicer by decade

- Create bin groups of 10 based on the year column. Add a slicer based on the year bins and display it as tile



#### Step 2: Create Bar Chart (Sum of Cases by Continent)

- Create a clustered column chart showing the sum of cases by continent. Use legend to apply different colors to each continent.



### Step 3: Create Tables Visual (Deaths by continent and country )

- Create a table showing the sum of deaths by continent.
- Create a table showing the sum of deaths by country. Filter to display top 5 countries by sum of deaths.
- Use condensed pre style format for the two tables

continent	Sum of Death
Africa	161,347
Asia	712,702
Europe	210
North America	12,514
Oceania	665
South America	9,766
<b>Total</b>	<b>897,204</b>

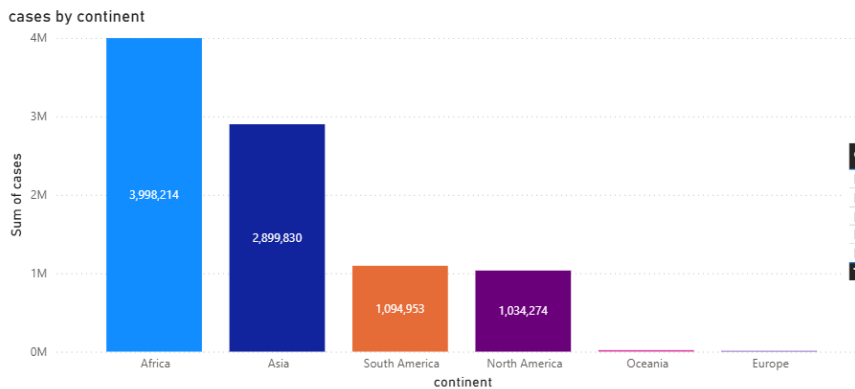
country	Sum of Death
Ghana	2,219
Indonesia	2,047
India	1,944
Philippines	144
Bangladesh	68
<b>Total</b>	<b>6,422</b>

### Step 4: create a dynamic text card

- Create a card that read the period of selected decade (group bins)  
(e.g., "you are viewing data From 1949 TO 2016").



You are viewing data From 1949 TO 2016



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Africa	161,347
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North America	12,514
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<b>Total</b>	<b>897,204</b>

country	Sum of Death
India	509,438
Indonesia	30,600
Democratic Republic of the Congo	22,457
Haiti	9,411
Peru	5,285
<b>Total</b>	<b>577,191</b>