Dengue Cases: Philippines

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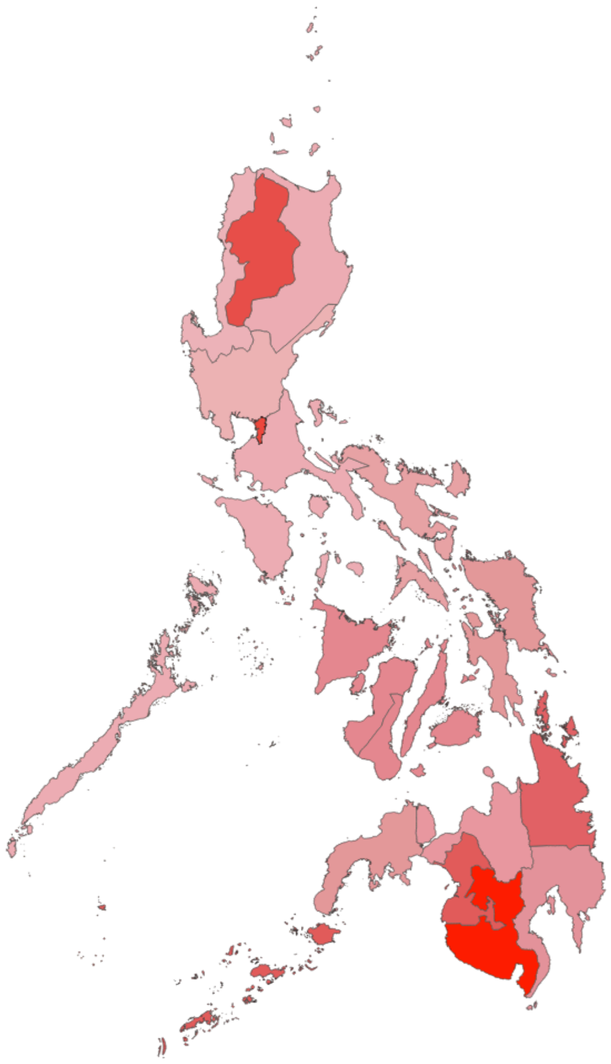
Introduction

Dengue fever is a serious problem in the Philippines, with a high incidence rate and a significant impact on the population. The country has experienced numerous dengue outbreaks in recent years, causing widespread illness and deaths. In this report, we will use Exploratory Data Analysis (EDA) to study the trends and patterns of dengue cases in the Philippines. By analyzing the data, we hope to gain a better understanding of the dynamics of dengue fever in the Philippines, identify potential risk factors, and inform public health interventions that can help reduce the incidence of the disease.

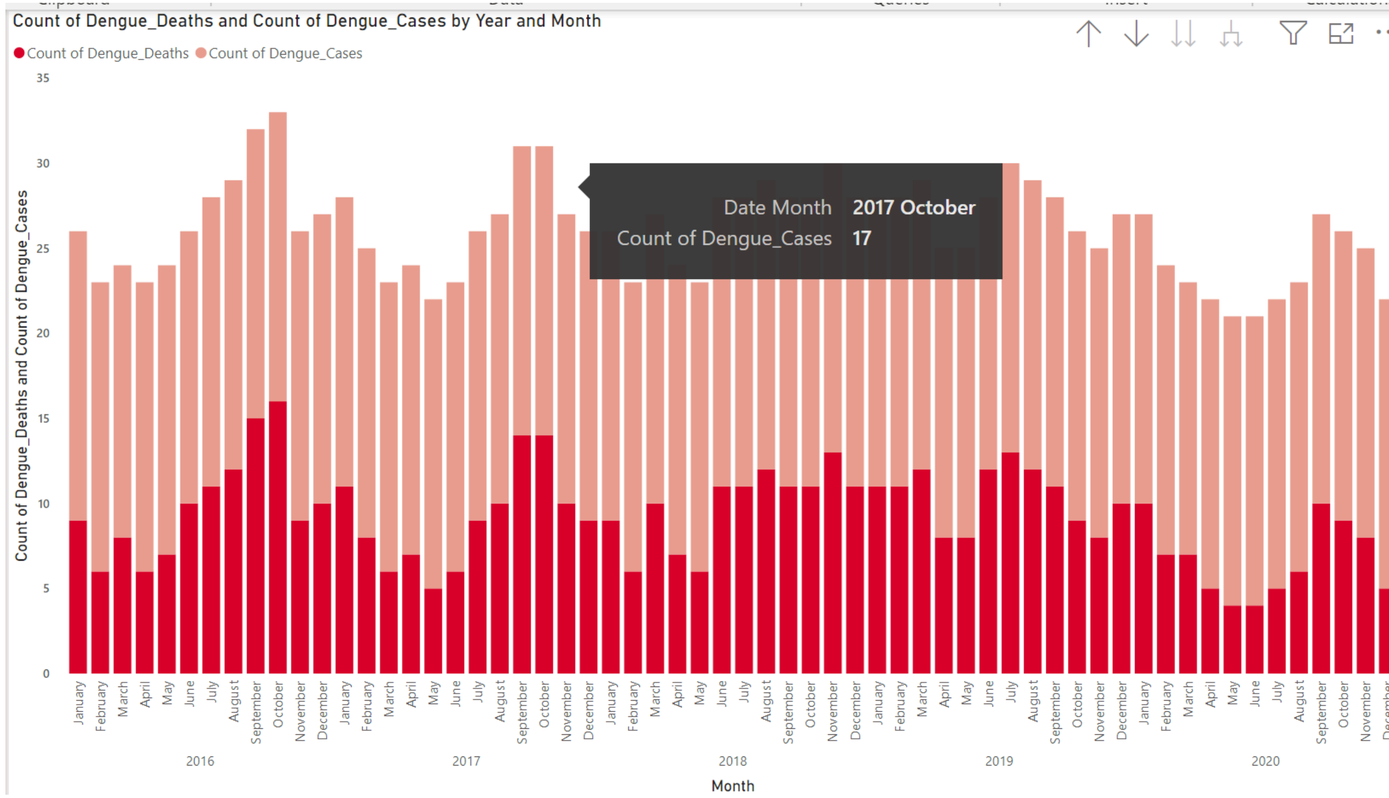
About Dataset

Data set contains the recorded number of dengue cases per region of the Philippines from year 2016 to 2020. It can be used to find trends about the disease as well as spatiotemporal analysis that can result into data-driven solution about the trends of the disease for the past 5 years.

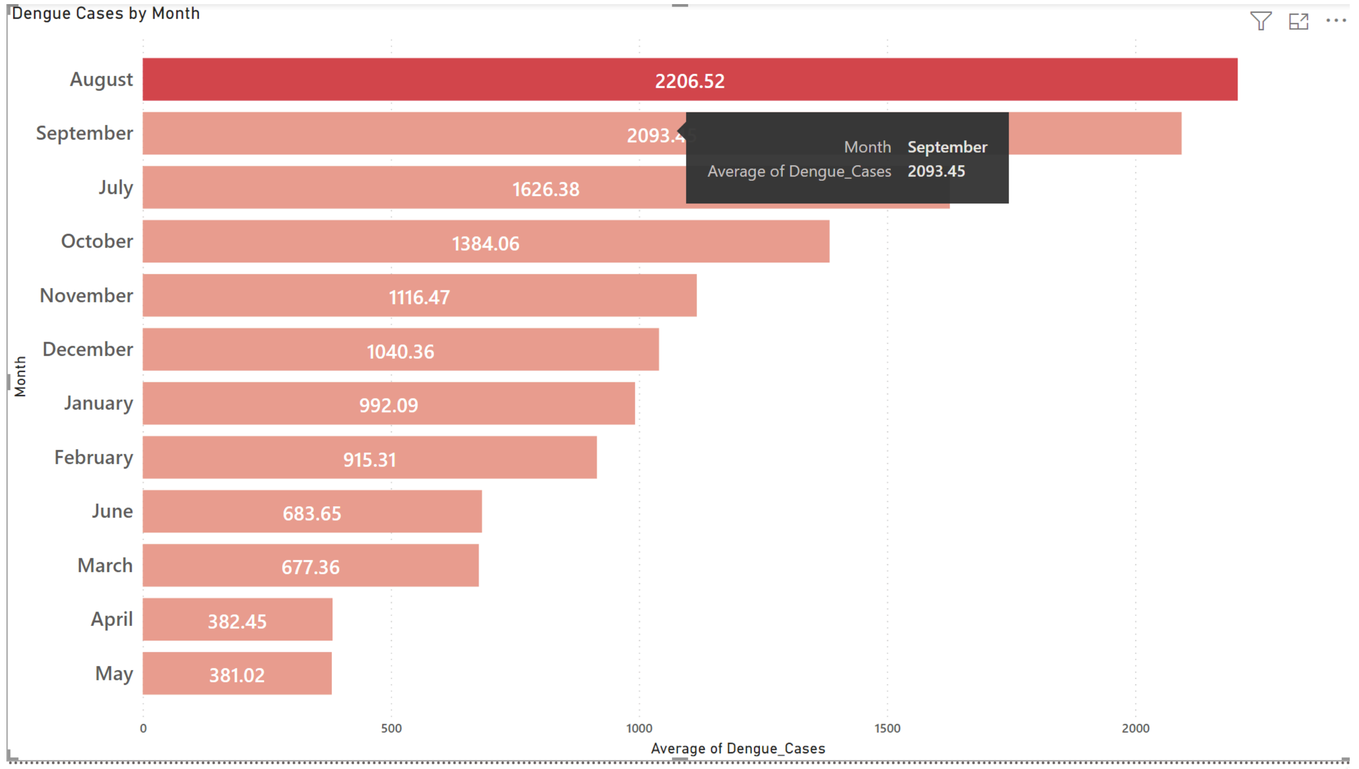
Heatmap



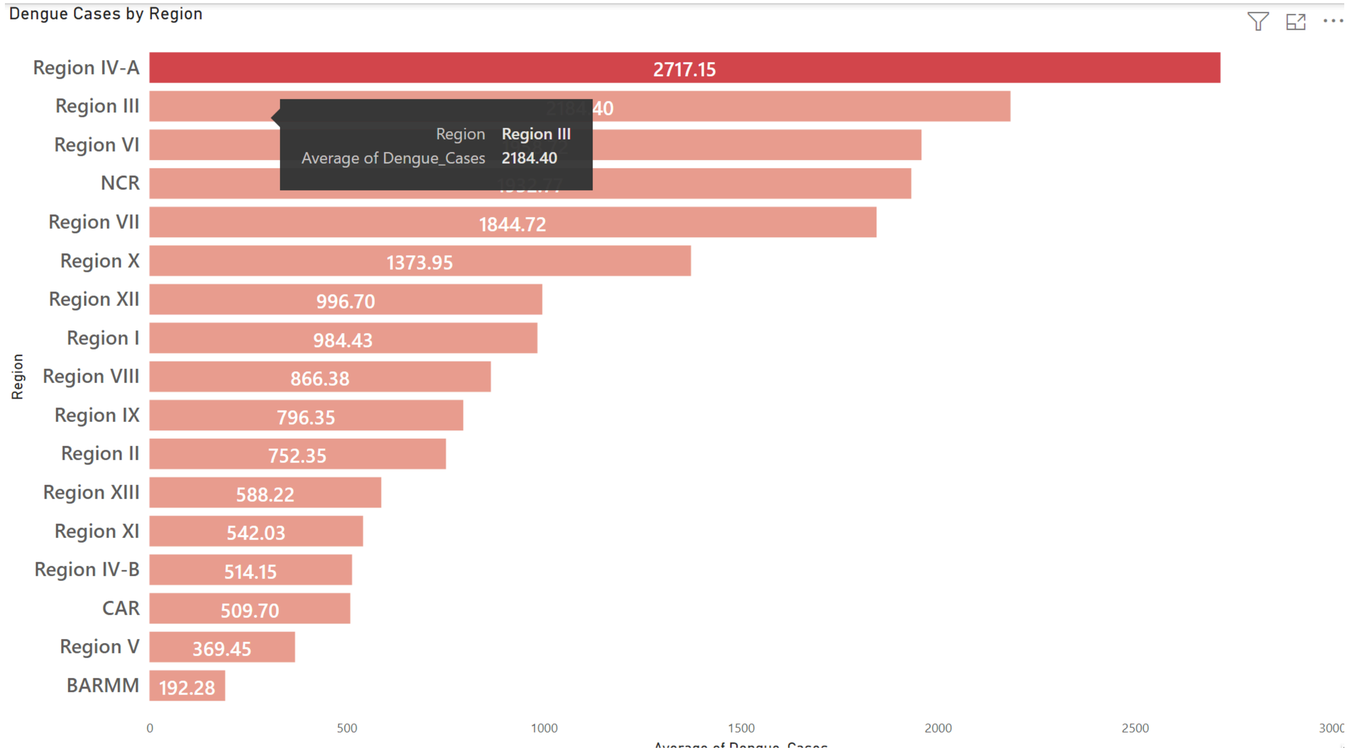
What is the Current Trend of Dengue Cases in the Philippines?



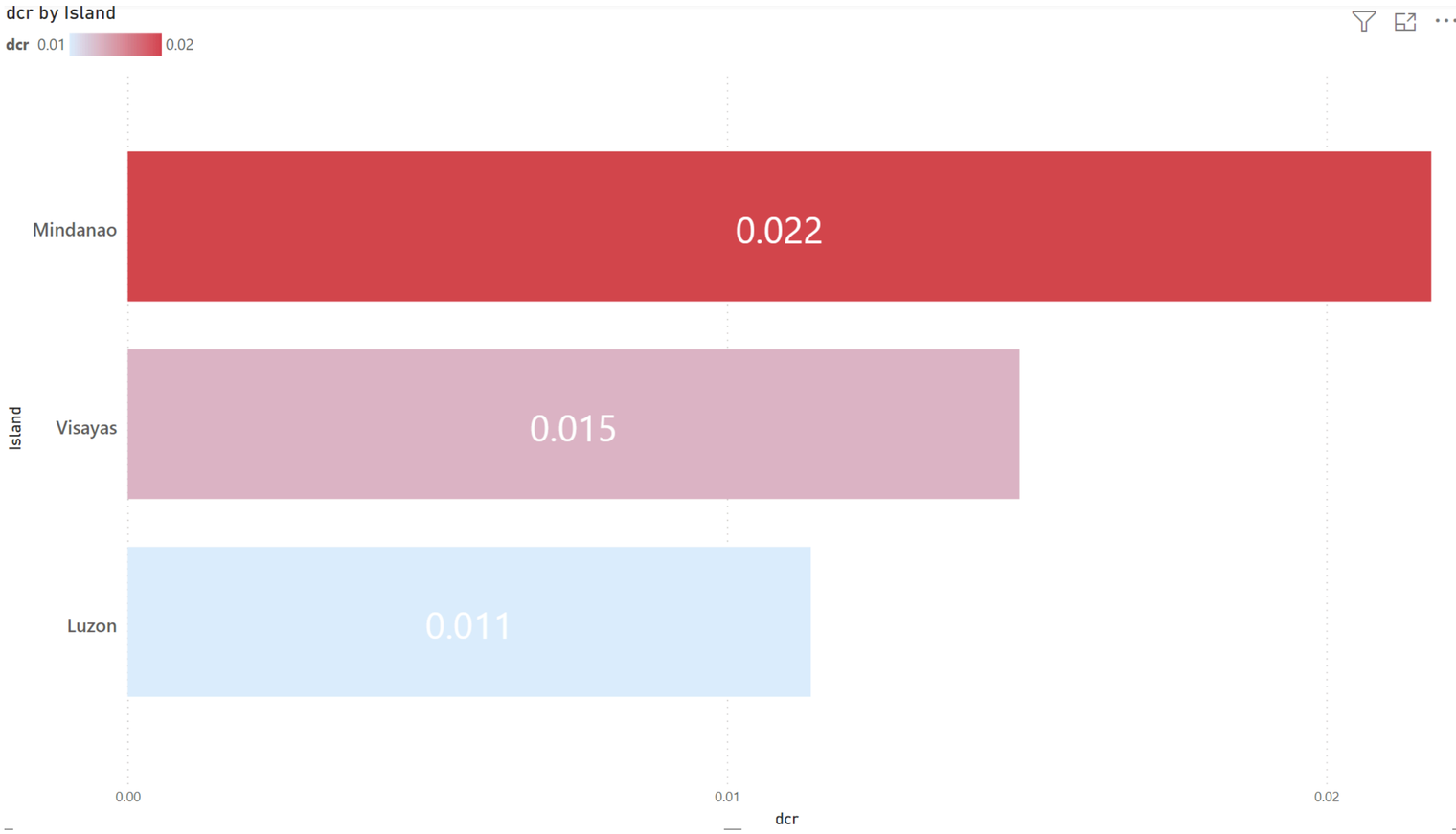
Which Month/s have the Highest Number of Dengue Cases?



Which Regions have the Highest Average Number of Dengue Cases?



Which Island has the Highest Death-to-Case Ratio in the Philippines?



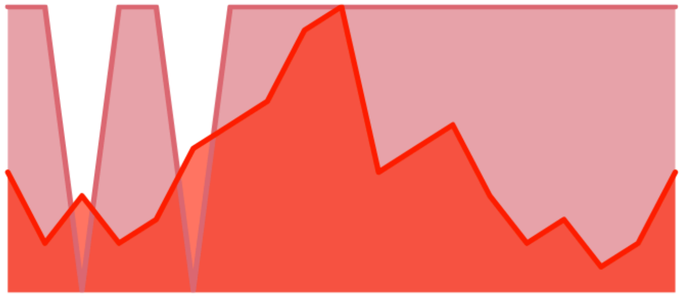
Final Overview

DENGUE Cases: Philippines

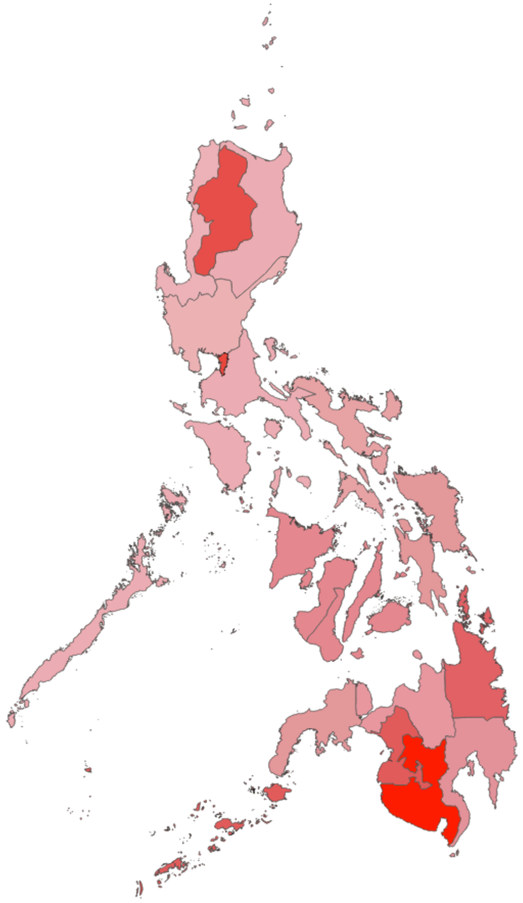
Orville Pagaduan

1M TOTAL CASES

After the spike 2016, the trend continues to decrease.



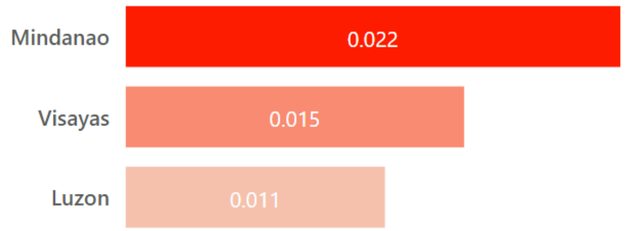
SOCCSKSARGEN has the highest Death-to-Case ratio in the Philippines, possibly due to its river system and healthcare challenges



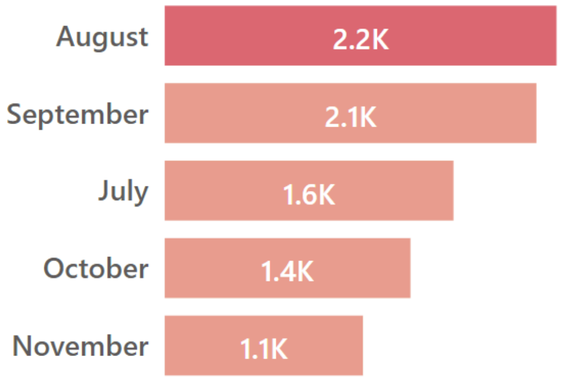
17K TOTAL DEATHS

Death-to-Case Ratio is the % of the people who die among the diagnosed

Death-to-Case ratio by Island



Dengue Cases are more common during August



Calabarzon dominates the region with most cases of Dengue