



# CONTRAD: The Evaluation of Dengue Cases in the Philippines from 2008 to 2016

**BAT-404 Analytics Techniques  
and Tools**

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**TeamTamTum**

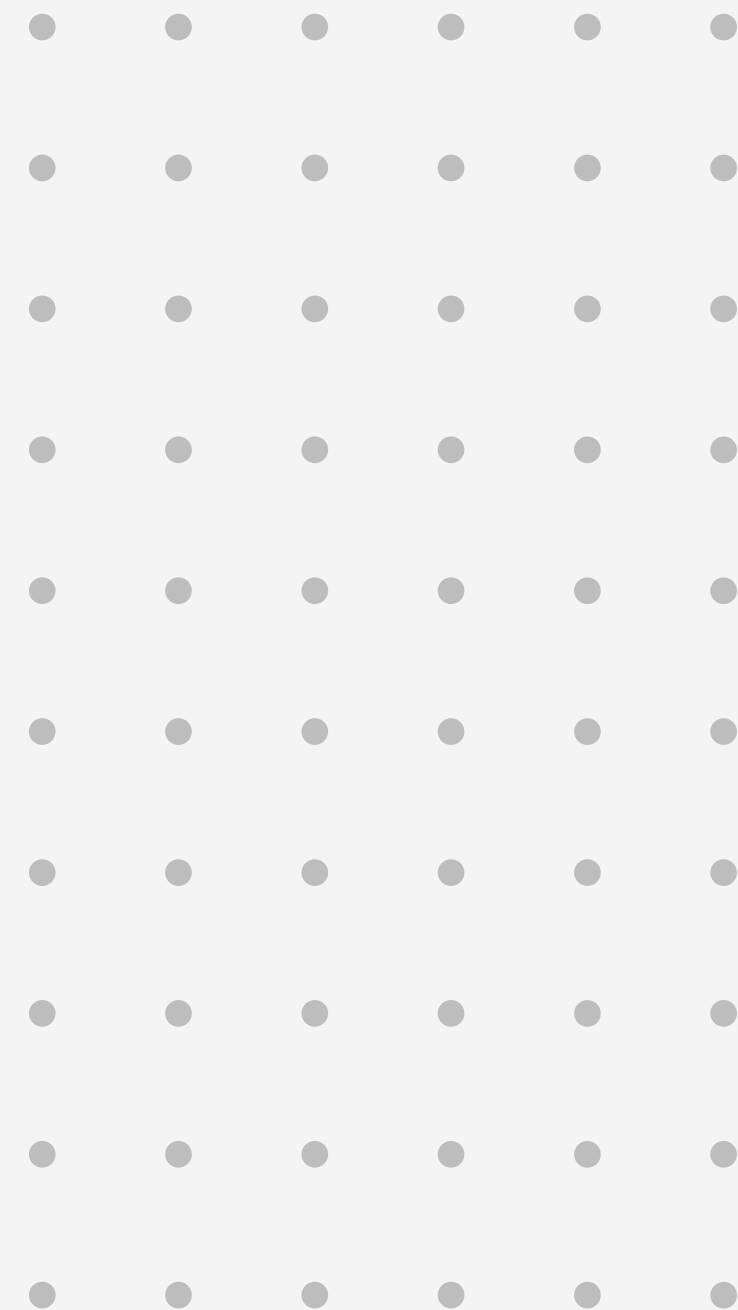
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Neil Lawrence Manalo

Lemuel Serrano

Kim Ryan Mangubat

Lhen Beatriz Zara



TARGET

3-8



ACHIEVE UNIVERSAL  
HEALTH COVERAGE

## SDG TARGET

Sustaining measures to resolve universal health issues including the Dengue Virus. Dengue viruses are spread to people through the bite of an infected species of mosquito. Almost half of the world's population, including the Philippines, live in areas with a risk of dengue.

TARGET

3-3



FIGHT COMMUNICABLE  
DISEASES

# Distribution of Dengue

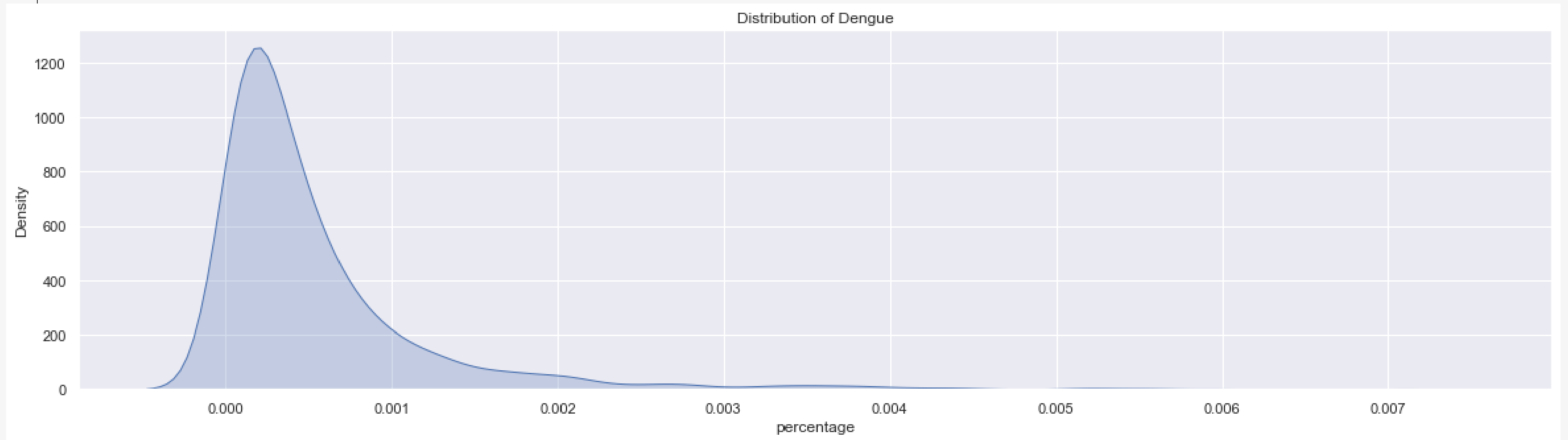


Figure 1. Distribution of Dengue

# Dispersion per Region

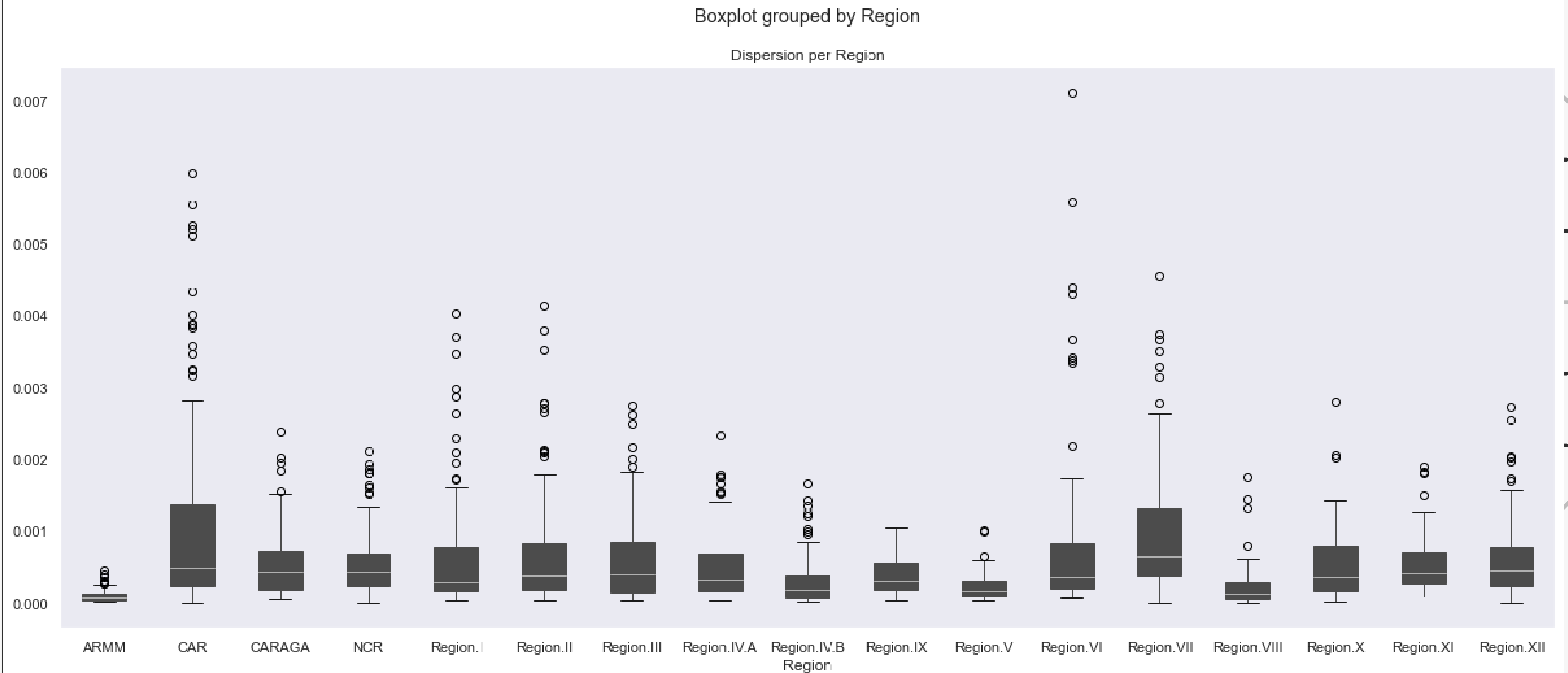


Figure 2. Dispersion per Region

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# Central Tendency: Cases per Year

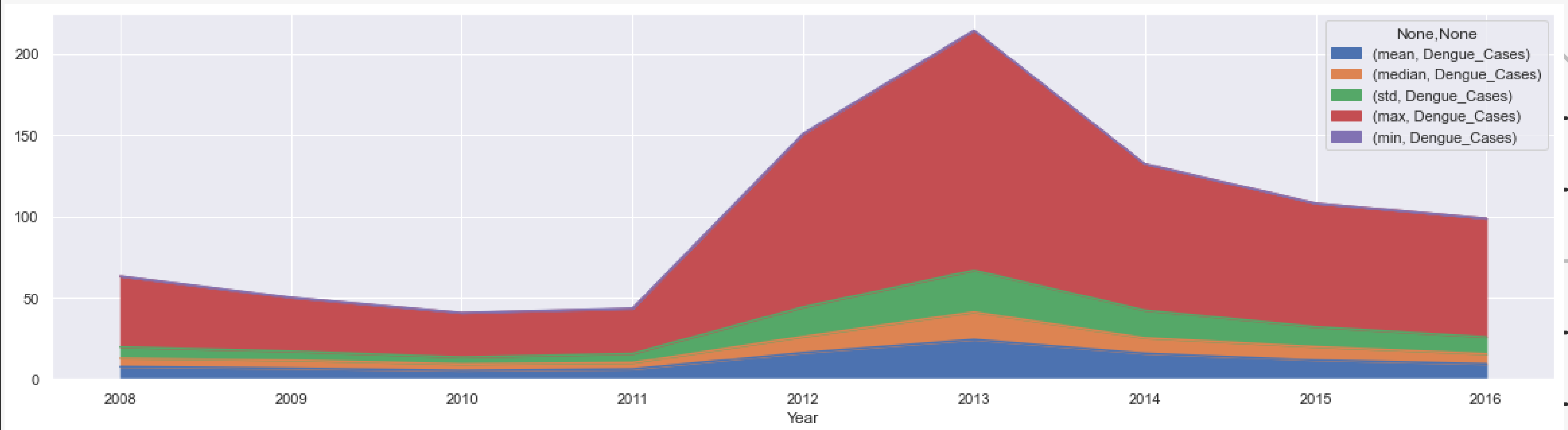
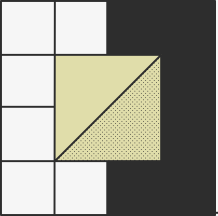


Figure 3. Cases per Year



# Central Tendency: Cases per Region

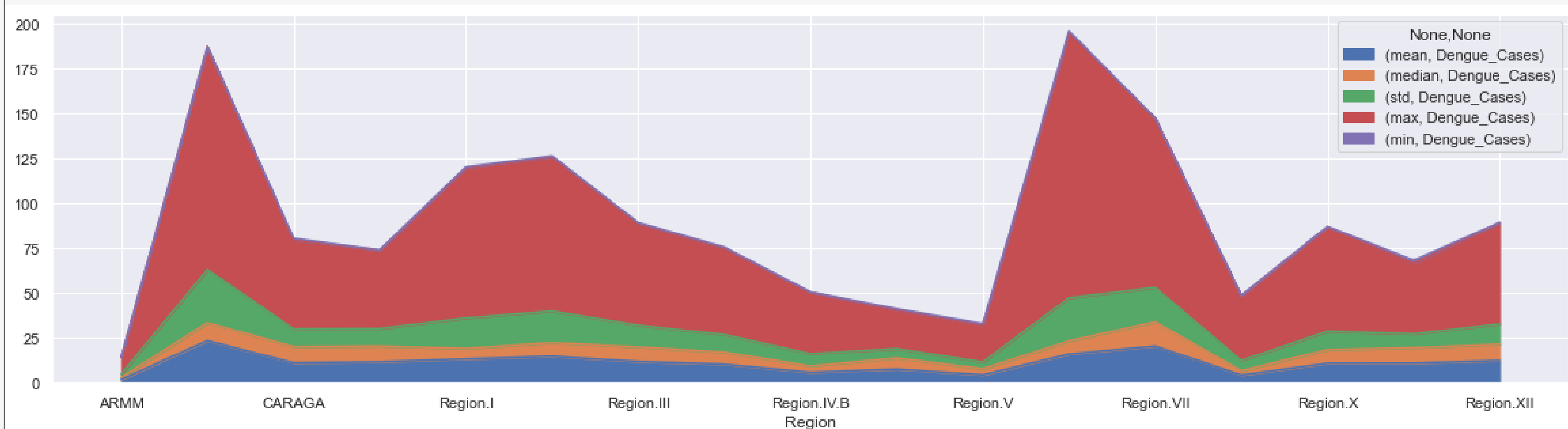


Figure 4. Cases per Region

# Dispersion of Dengue every month in a year

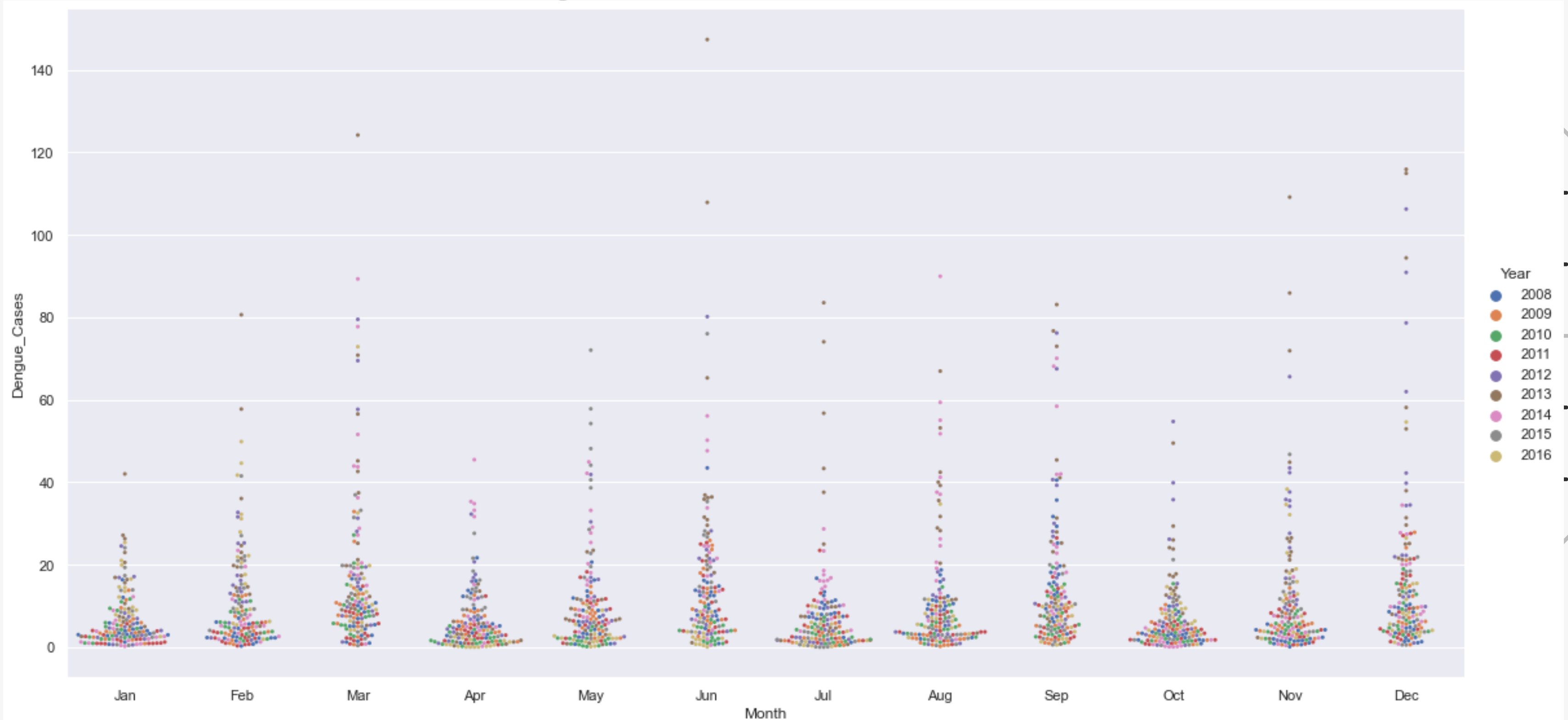


Figure 5. Dengue every month a year  
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# Dispersion of Dengue every month in a year

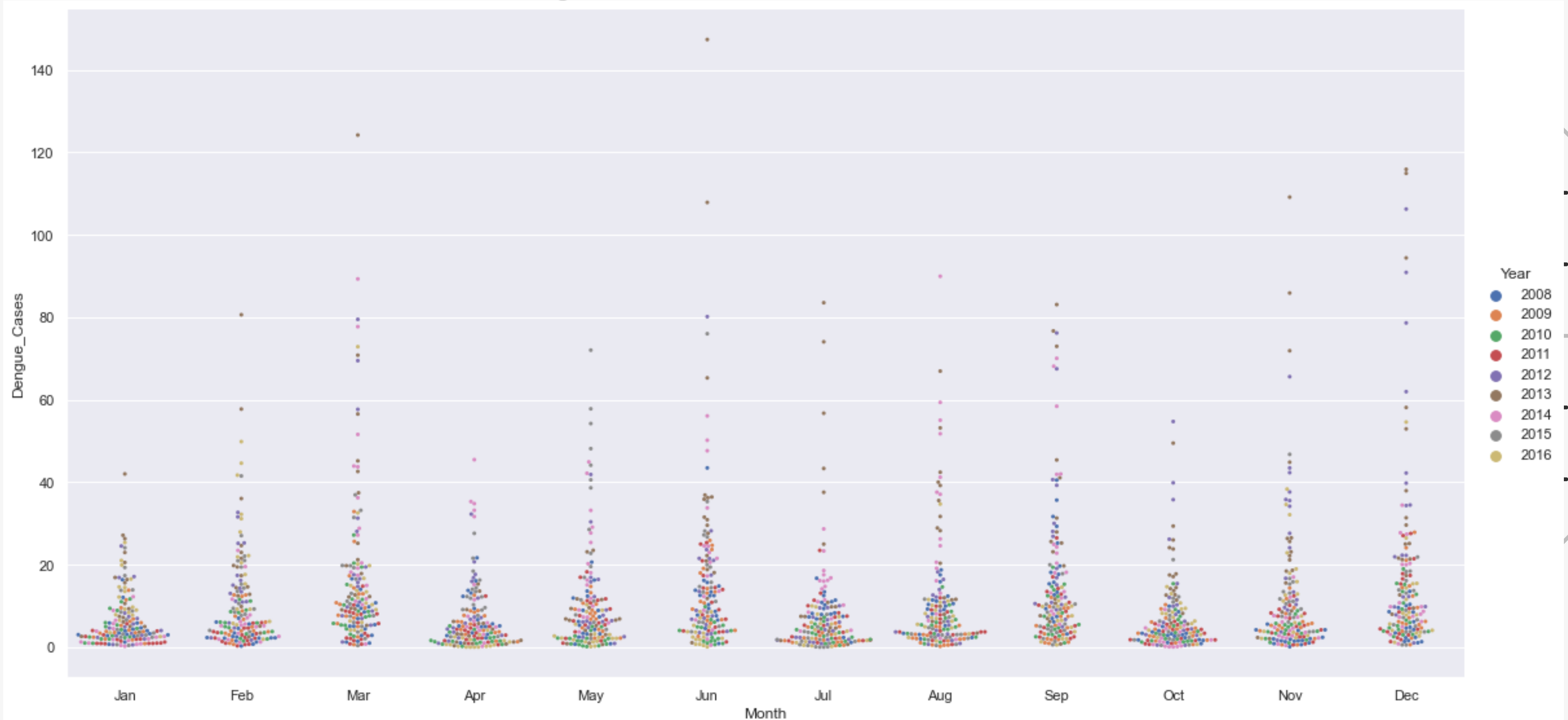


Figure 5. Dengue every month a year  
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# Dengue Case Rate

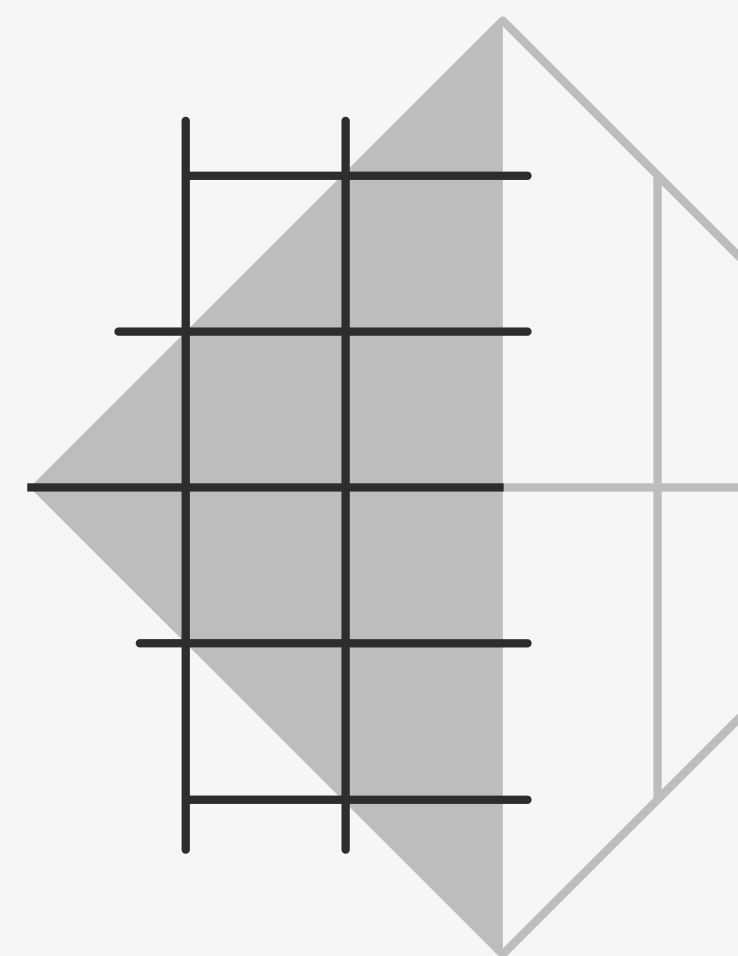
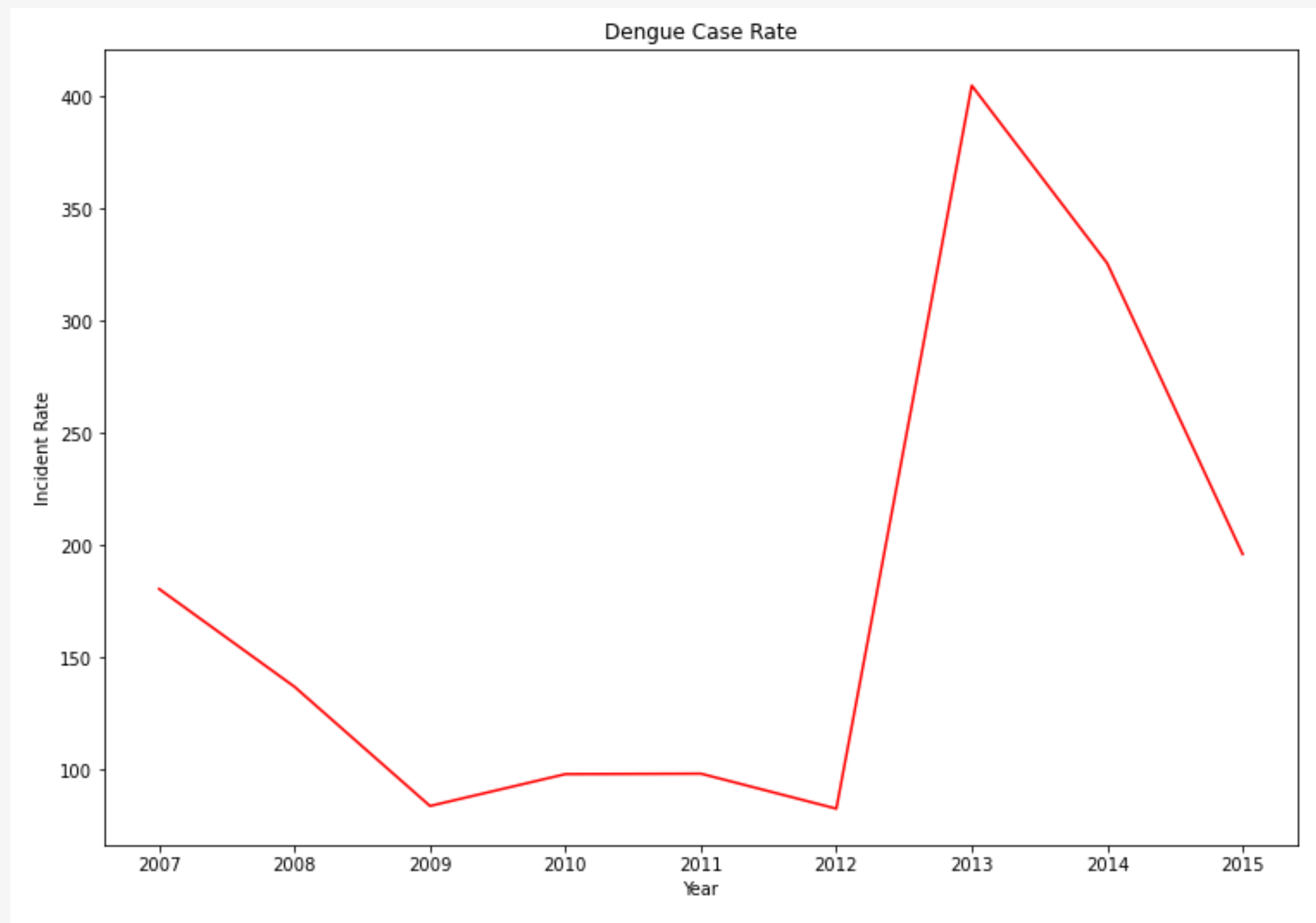


Figure 6. Dengue case rate every year  
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# Datasets

<https://www.kaggle.com/datasets/grosvenpaul/dengue-cases-in-the-philippines>

[https://data.gov.sg/dataset/vector-control-data-dengue-outbreak-statistics?  
resource\\_id=0e185366-f2a0-489f-bce8-  
17b4a24ea339](https://data.gov.sg/dataset/vector-control-data-dengue-outbreak-statistics?resource_id=0e185366-f2a0-489f-bce8-17b4a24ea339)



## Dengue Cases in the Philippines

Monthly and Regional Cases of Dengue per 100,000 Population from 2008 to 2016

 [kaggle.com](https://www.kaggle.com)



data.gov.sg

## Vector Control Data - Dengue Outbreak Statistics

The Dataset shows the Dengue Incidence rate per 100,000, measured Annually.

 [Data.gov.sg](https://data.gov.sg)

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# References

<http://www.clarkphilippines.com/prevent-dengue-in-philippines-repel-mosquitoes-how-to-avoid-mosquito-bites/>

<https://manilaneews.ph/philippines-dengue-fever-2021-nearly-80k-cases-lower-than-2020/>

<https://www.bartleby.com/essay/Problem-Statement-For-Dengue-Fever-PJ4282WPCU>

<https://pubmed.ncbi.nlm.nih.gov/30201034/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6483330/>

<https://www.statista.com/statistics/1120319/philippines-number-dengue-cases/>

<https://www.pna.gov.ph/articles/1070623>

<https://www.officialgazette.gov.ph/2010/09/07/deped-chief-to-schools-intensify-dengue-prevention-campaign/>

<https://www.tandfonline.com/doi/abs/10.1586/eri.10.53>

<http://www.clarkphilippines.com/prevent-dengue-in-philippines-repel-mosquitoes-how-to-avoid-mosquito-bites/>

<https://www.pna.gov.ph/articles/1072354>

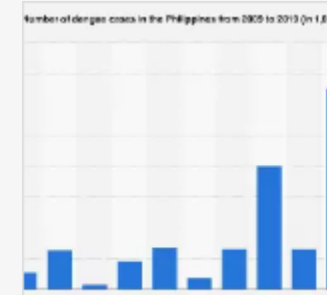
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## Dengue

Dengue, Dengue virus, dengue hemorrhagic fever, dengue fever, flavivirus, Aedes mosquitoes, DHF, DF, DSS

CDC cdc.gov / Nov 16, 2021



## Philippines: dengue cases

In 2019, the number of dengue cases in the Philippines totaled approximately 38.44 thousand, reflecting a noticeable decrease from the previous year, which...

Statista



## DepEd-7: Parents should be included in dengue prevention drive | Cebu Daily News

CEBU CITY, Philippines — Including parents in the information drive about dengue prevention in schools is one of the measures that the Department of...



## LGUs urged to spread dengue prevention information

ILOILO CITY -- The Iloilo Provincial Health Office (PHO) has encouraged local government officials to help spread information on dengue prevention. This after...

## DepEd Chief to schools: Intensify dengue prevention campaign | GOVPH

[officialgazette.gov.ph](https://www.officialgazette.gov.ph)

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