

Hands-on Activity 12.1

Demonstrating SAP Analytics

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Death count due to flood in South-East Asia Since early 2000s

25,219.00

Deaths - Flood

Fig 1. Total amount of deaths caused by floods in South-East Asia

In this we were able to calculate the total deaths that occurred when there is a flood in South-East Asian countries. Which was 25,219 casualties since early 2000s

Death count due to Droughts in South-East Asia Since early 2000s

9,348.00

Deaths - Drought

Fig 2. Amount of deaths caused by droughts

In this figure we were able to calculate the total deaths during droughts

Number of people affected by droughts in each country

1 Filter

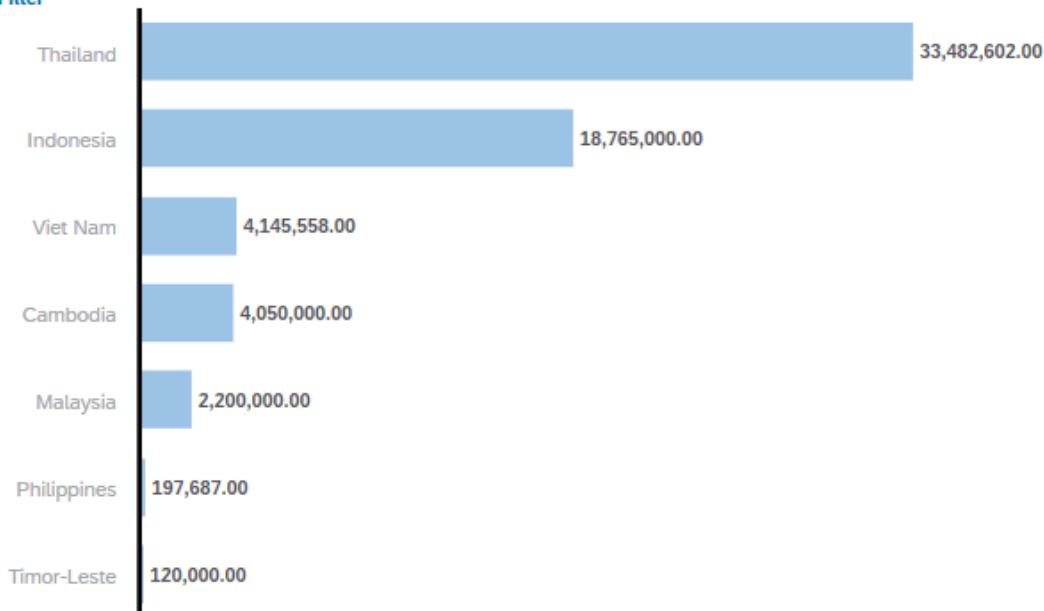


Figure 3. Total people affected by droughts

In this we were able to group the number of people affected by droughts by country. And from the results created, Thailand has the most people affected by droughts, which is 33,482,602 people.

**Total damage worth caused by
droughts in South-East Asia since**

15,497,804.00

Total Damage, Adjusted ('000 US\$)

Figure 4. Total worth of damages

From the figure we can see that \$15,497,804 is the total worth of recorded damages caused by droughts in the South-East Asian countries.

Urban Heat Exposure Evolution per SEA Country by 2050

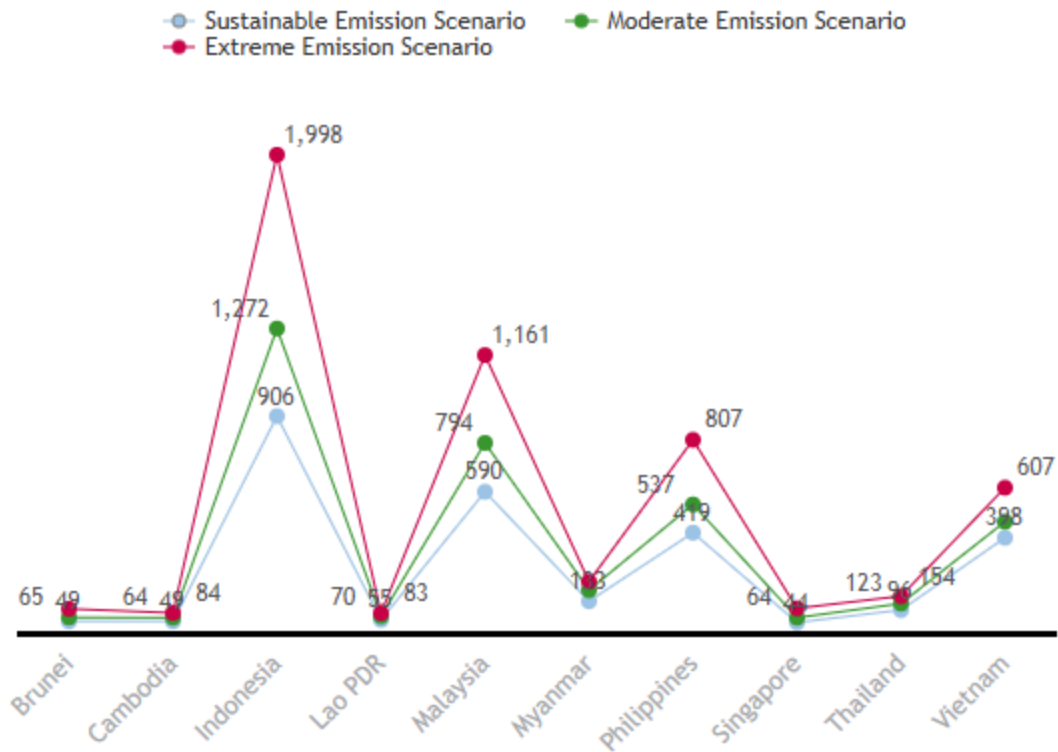


Figure 5

This visualization presents the projected levels of heat exposure across Southeast Asian countries by the year 2050. This chart offers insights on how much each country will experience an increase in heat per different scenarios, and how hot a country can get by 2050.

Projected Increase in Heat Intensity: 2050 vs 2090

Top 10 - All Dimensions (intensity-2050)

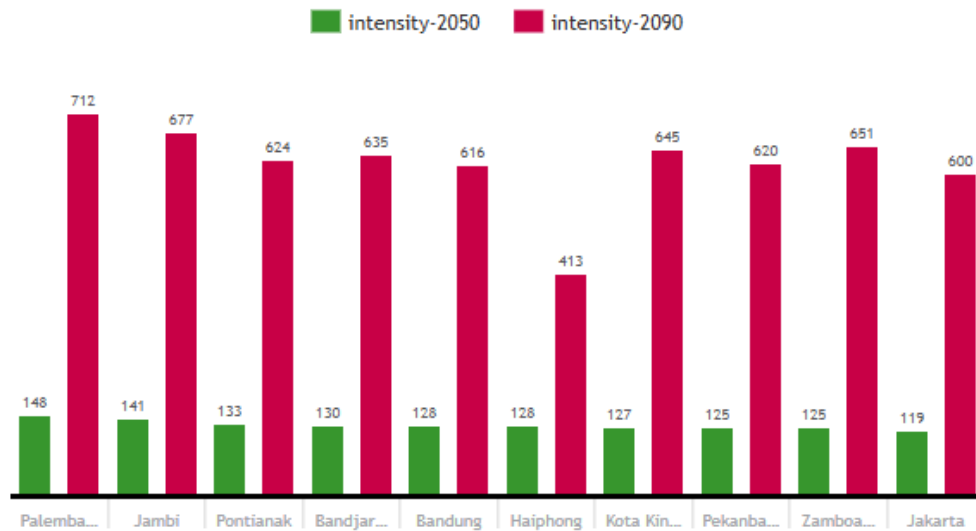


Figure 6

This figure shows the projected increase of Heat Intensity from 2050 to 2090, emphasizing the progression of climate in key Southeast Asian cities

Data Sources:

<https://ourworldindata.org/grapher/number-of-deaths-from-natural-disasters.csv>

<https://www.kaggle.com/datasets/brsdincer/all-natural-disasters-19002021-eosdis>

<https://zenodo.org/records/14540819>