

# EFFECTS OF NATURAL CALAMITIES ON THE WORLD

## MAP:

This map shows the countries which had Earthquakes, Tsunami or Volcanic eruptions between 2000 and 2016. We could see few countries are affected by all the three activities. We have considered 3 countries to show the extent of these calamities. These countries have the highest lives lost in earthquakes, tsunami and volcano.

• Earthquake • Tsunami • Volcano

### VOLCANO:

A level 4 Volcanic eruption occurred on July 13, 2006 in Philippines. This was recorded as one of the biggest incident and more than 40,000 people were evacuated from 8km danger zone yet causing highest number of casualties in history.

### HUMAN

Highest number of deaths recorded due to volcanic eruption in world history

1,267 DEAD IN VOLCANIC ERUPTION

### LOSS

LESS THAN 1 MILLION

PHILIPPINES

### TSUNAMI:

A powerful earthquake off the coast of Sumatra, Indonesia, on DEC 26 2004 sets off a tsunami. The quake was the second strongest ever recorded and estimated 230,000 dead made this disaster one of the 10 worst of all time.

### HUMAN

Highest number of deaths recorded during Tsunami in world history.

130,736 DEAD IN 2004 TSUNAMI

LOSS

4,451 MILLION DOLLARS

INDONESIA

### HUMAN

Highest number of deaths recorded during Earthquake in world history

### PROPERTY

97294 HOUSES DESTROYED

HAITI

LOSS

8,000 MILLION

### EARTHQUAKE:

A 7.0 magnitude quake in HAITI on January 12, 2010, killed more than 250,000 people in what has been called one of the worst natural disasters of modern times. More than 1 million people were left homeless, of which almost 80,000 are still without a proper roof over their heads.

## COUNT OF EVENTS OCCURED IN DIFFERENT CONTINENTS:

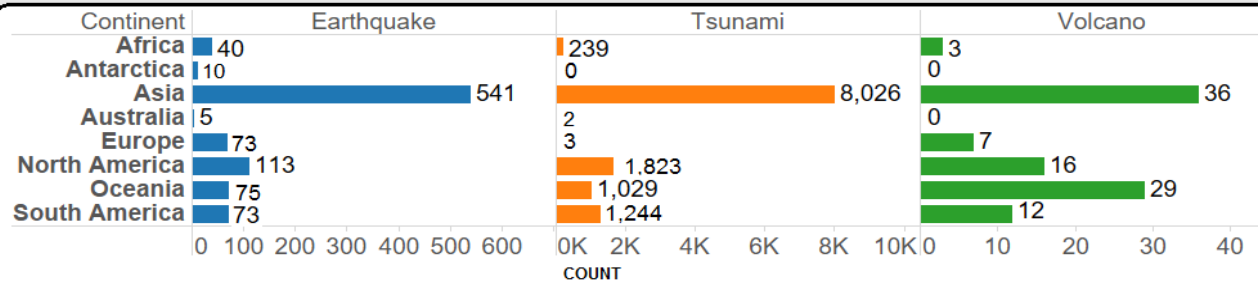


Figure 1

Figure 1 shows the count of Earthquakes, Tsunamis and Volcanoes activities between 2000 and 2016 in each continent. Global Seismic Hazard Assessment Program has divided the globe into 7 regions. We could see that Asia being the largest is more affected by seismic activities.

## DAMAGE IN MILLION DOLLARS:

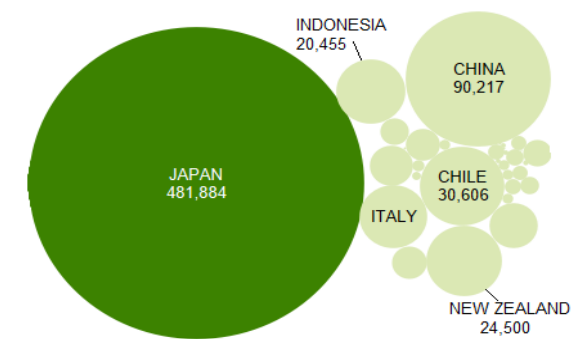
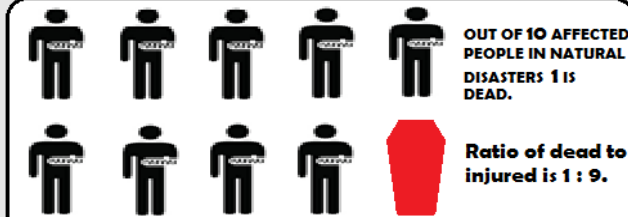


Figure 2

Figure 2 represents total damage caused by Earthquakes, Tsunami and Volcanoes combined to the countries. We could see Japan is the most economically affected country. This loss is in millions and includes public and private property damage cost

## RATIO:



## SOURCES:

- <https://www.ngdc.noaa.gov/hazard/earthqk.shtml>
- <https://www.ngdc.noaa.gov/hazard/tsu.shtml>
- <https://www.ngdc.noaa.gov/hazard/volcano.shtml>
- <http://www.seismo.ethz.ch/static/GSHAP/>
- Wikipedia – earthquakes/tsunamis and volcanoes

BY: Chiranth HD  
Jayadeep Akula  
Ashutosh Gajankush