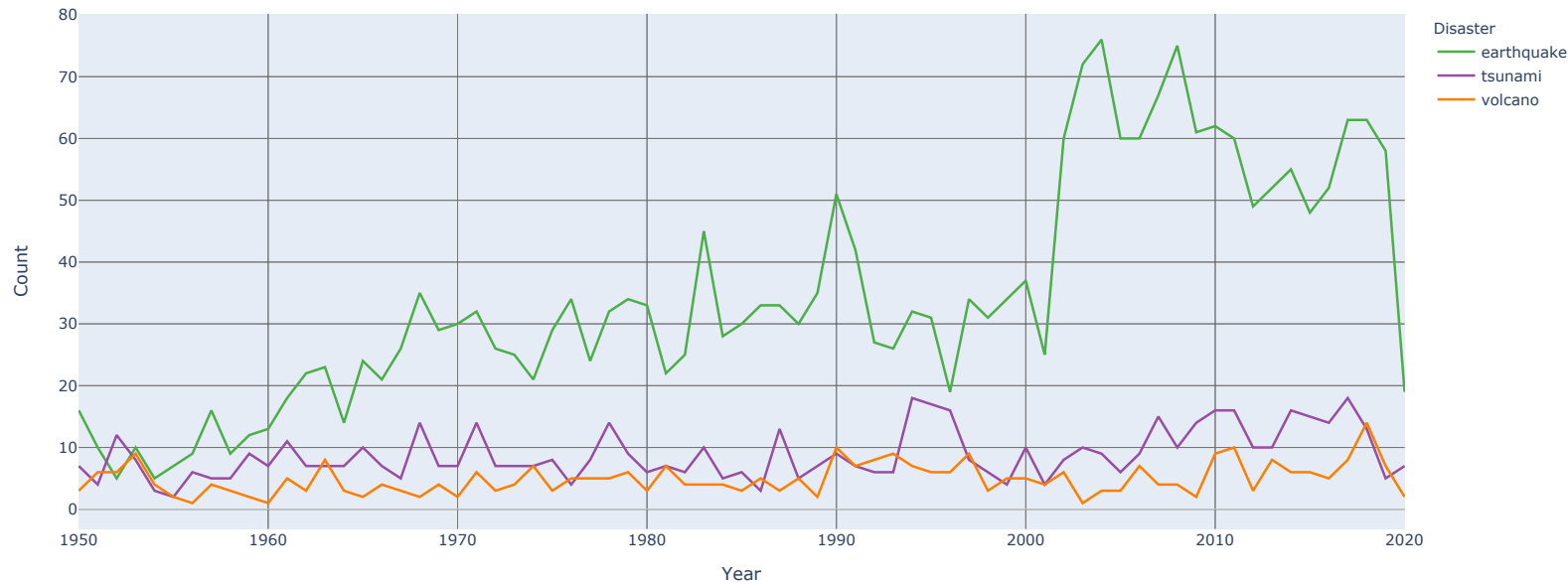


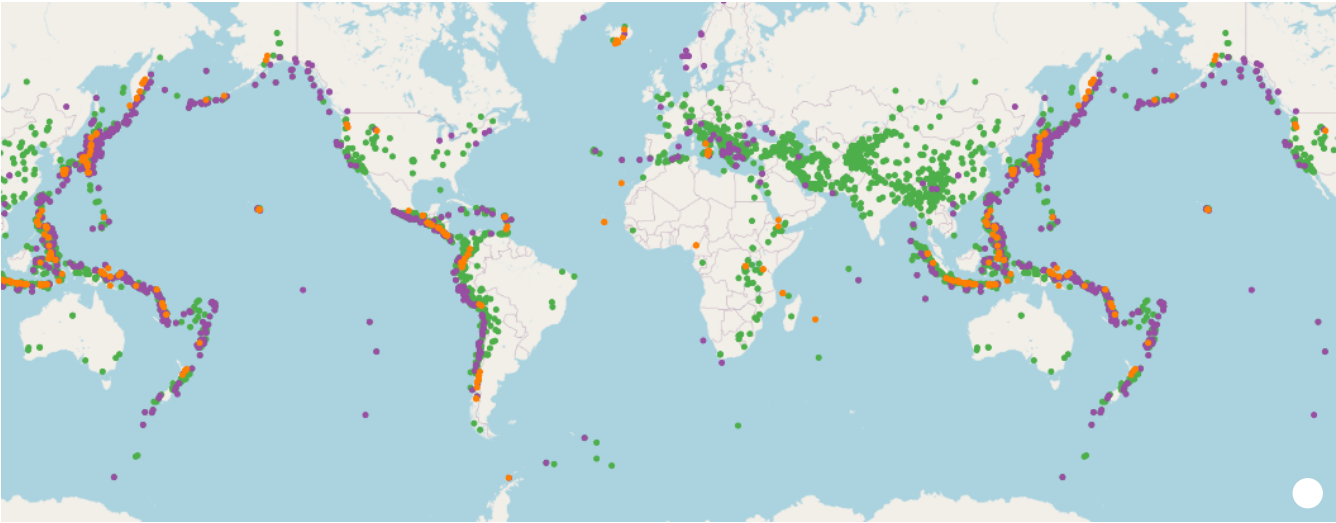
Natural Disaster Data Analysis

Analysis of volcano, earthquake, and tsunami data from the NOAA.

Time Series of Natural Disasters



Map of Natural Disasters



1950 1952 1954 1956 1958 1960 1962 1964 1966 1968 1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020

Select a range of years to view the location of natural disasters for the chosen dates.

Table of Years

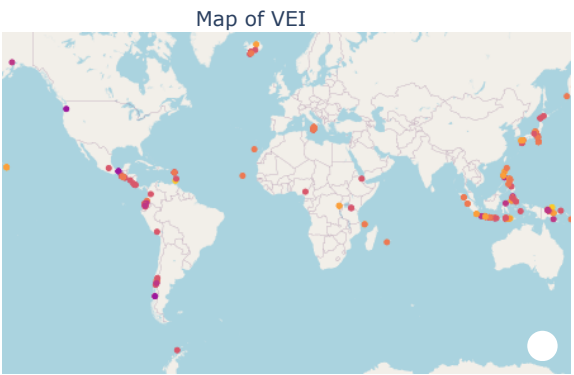
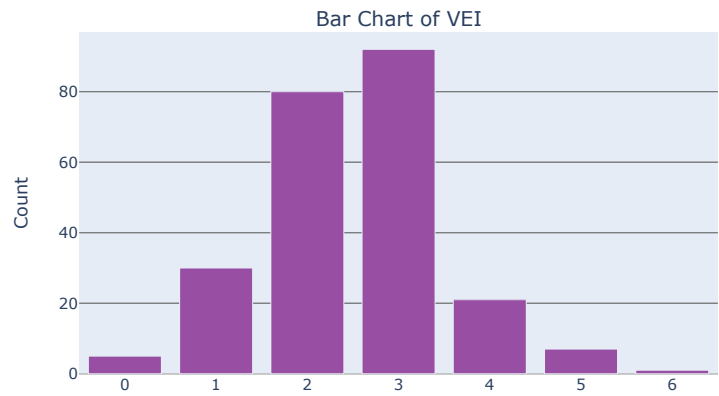
Year	Count
1950s	14
1960s	14
1970s	21
1980s	36
1990s	29
2000s	36
2010s	45

Table of Disasters

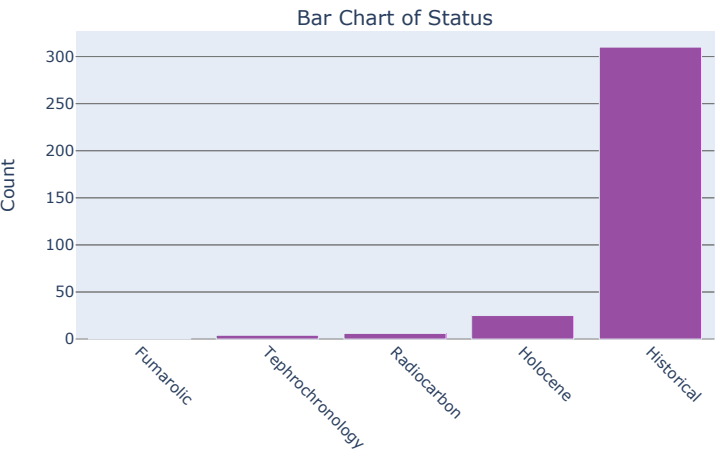
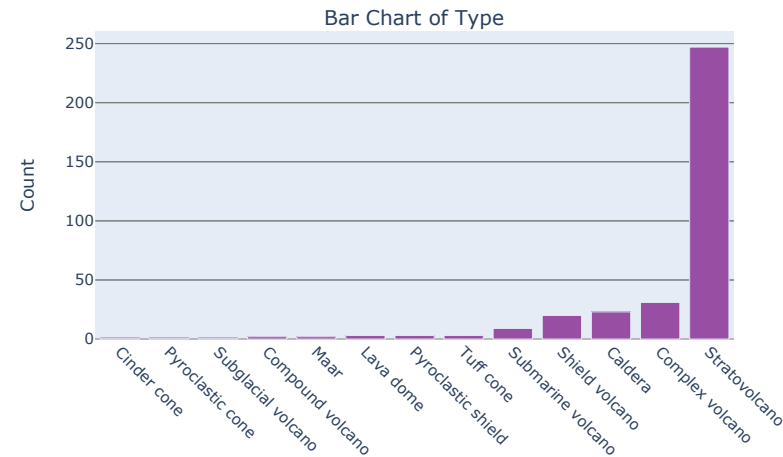
Disaster	Count
earthquake	124
tsunami	52
volcano	19

Select a country from the subset of countries with more than thirty natural disasters.

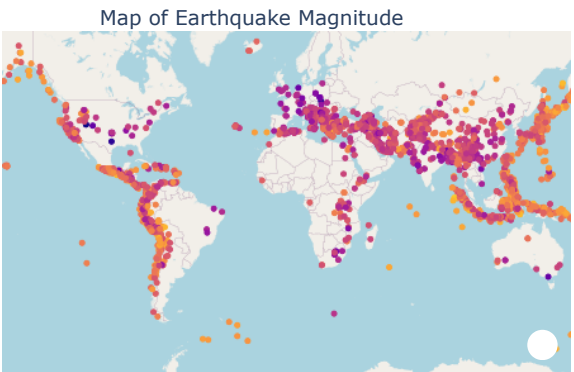
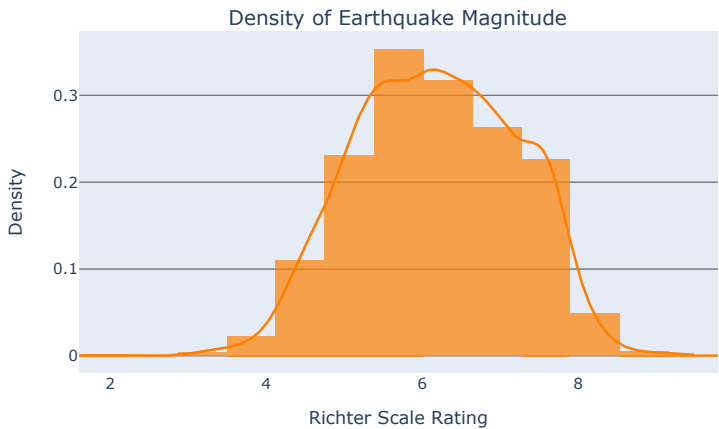
Volcanoes



VEI measures the explosiveness of a volcano based on the volume of deposits. VEI=0 is the smallest explosive level; VEI=8 is the largest explosive level.



Earthquakes

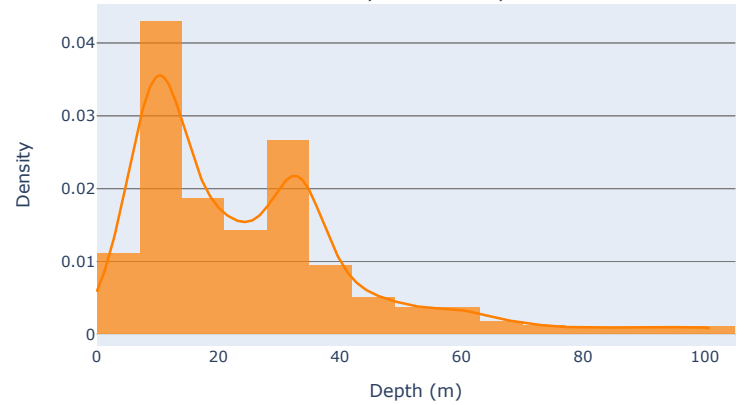


The Richter scale measures the magnitude of an earthquake. Richter scale=1 is the smallest magnitude; Richter scale=10 is the largest magnitude.

Focal Depth Summary Statistics

Statistic	Value
count	2426
mean	35.69002473206925
std	64.04365424385658
min	0
25%	10
50%	22
75%	34
max	675

Density of Focal Depth



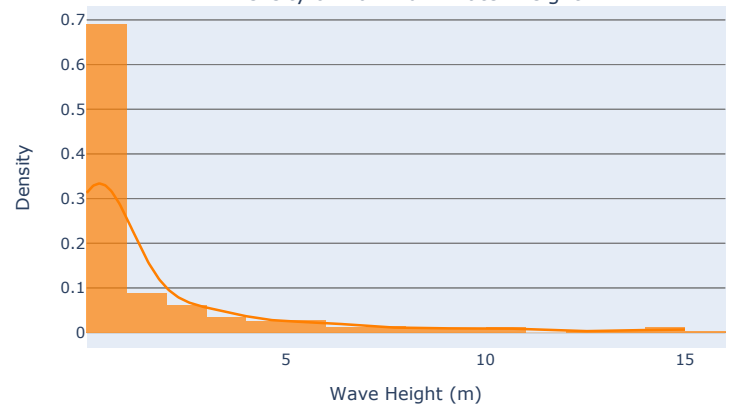
The focal depth is the depth where the hypocenter of an earthquake occurs. The hypocenter is the point below ground where an earthquake starts.

Tsunamis

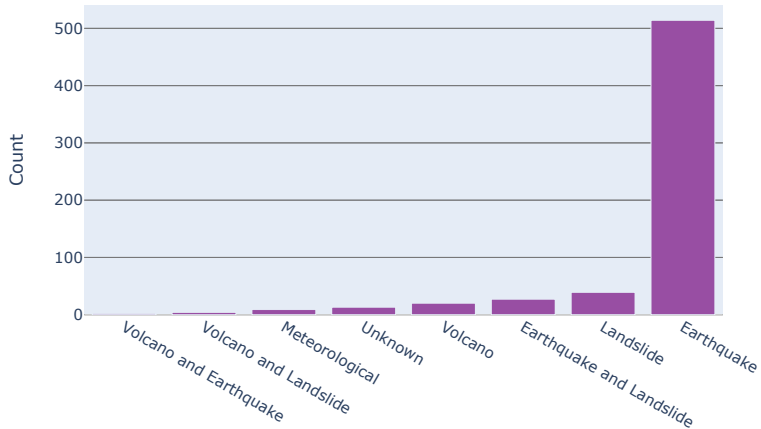
Maximum Water Height Summary Statistics

Statistic	Value
count	628
mean	5.32148089171975
std	27.58466587190036
min	0.01
25%	0.13
50%	0.43
75%	2.7
max	524.6

Density of Maximum Water Height



Bar Chart of Cause Code



Violin Plot of Cause Code and Wave Height

