

Volcanoes of Earth

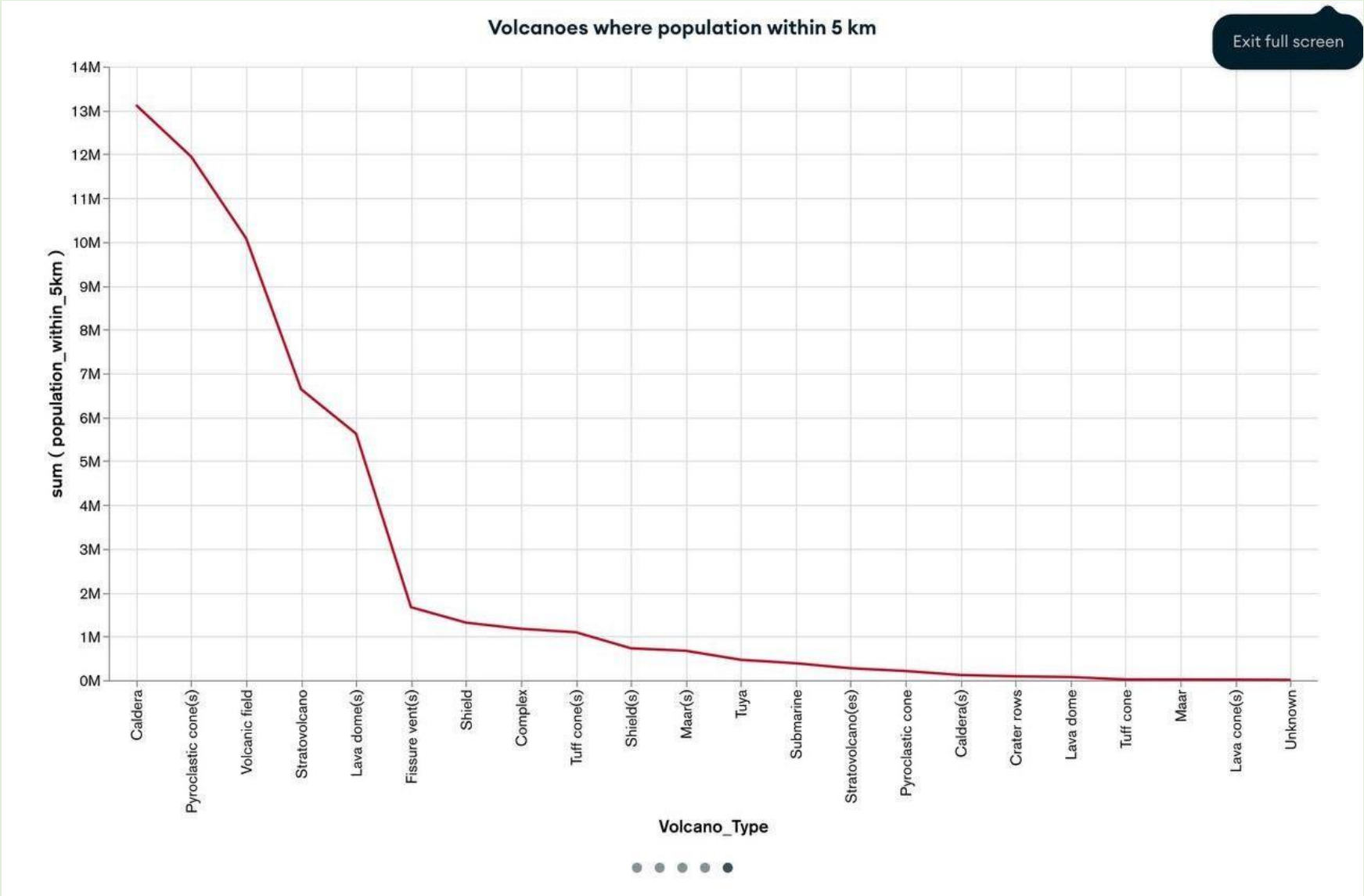
Natural Phenomenon



The Earth contains a lot of environments in different weathers, with different directions. One of them is a volcanic environment located in a different location on earth, the most famous volcanic place is the Pacific Ocean. The volcanoes can be dangerous or safe depending on the intensity of the volcano. Due to that, our database her called volcanoes_of_earth which provides a piece of more information about the volcano type, altitude, and volcano location country. This dataset contains 20 columns and 2662 instances.

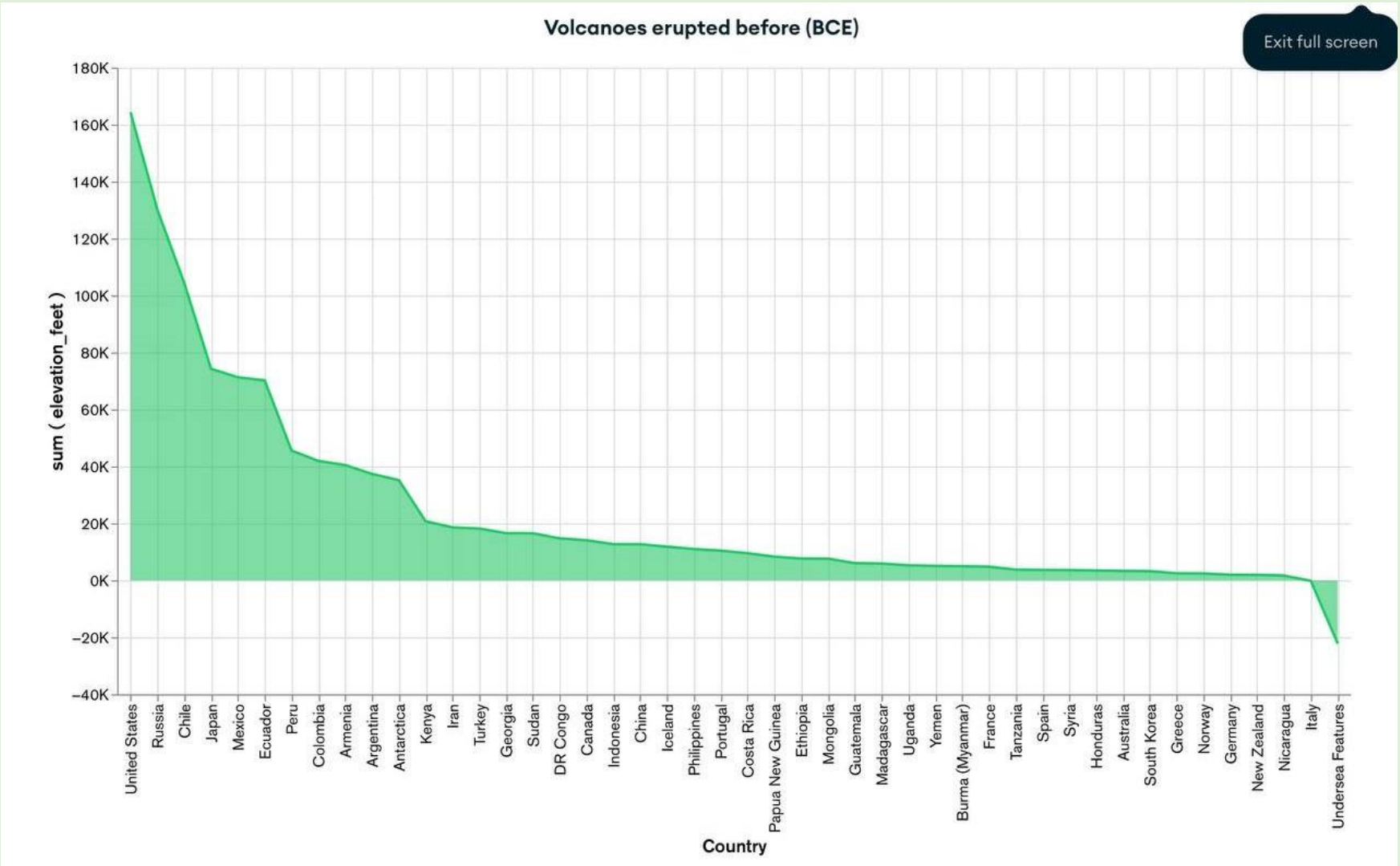
We visualized our database by using the MongoDB chart section
Here explain the 5 charts:

1.Volcanoes where population within 5 km



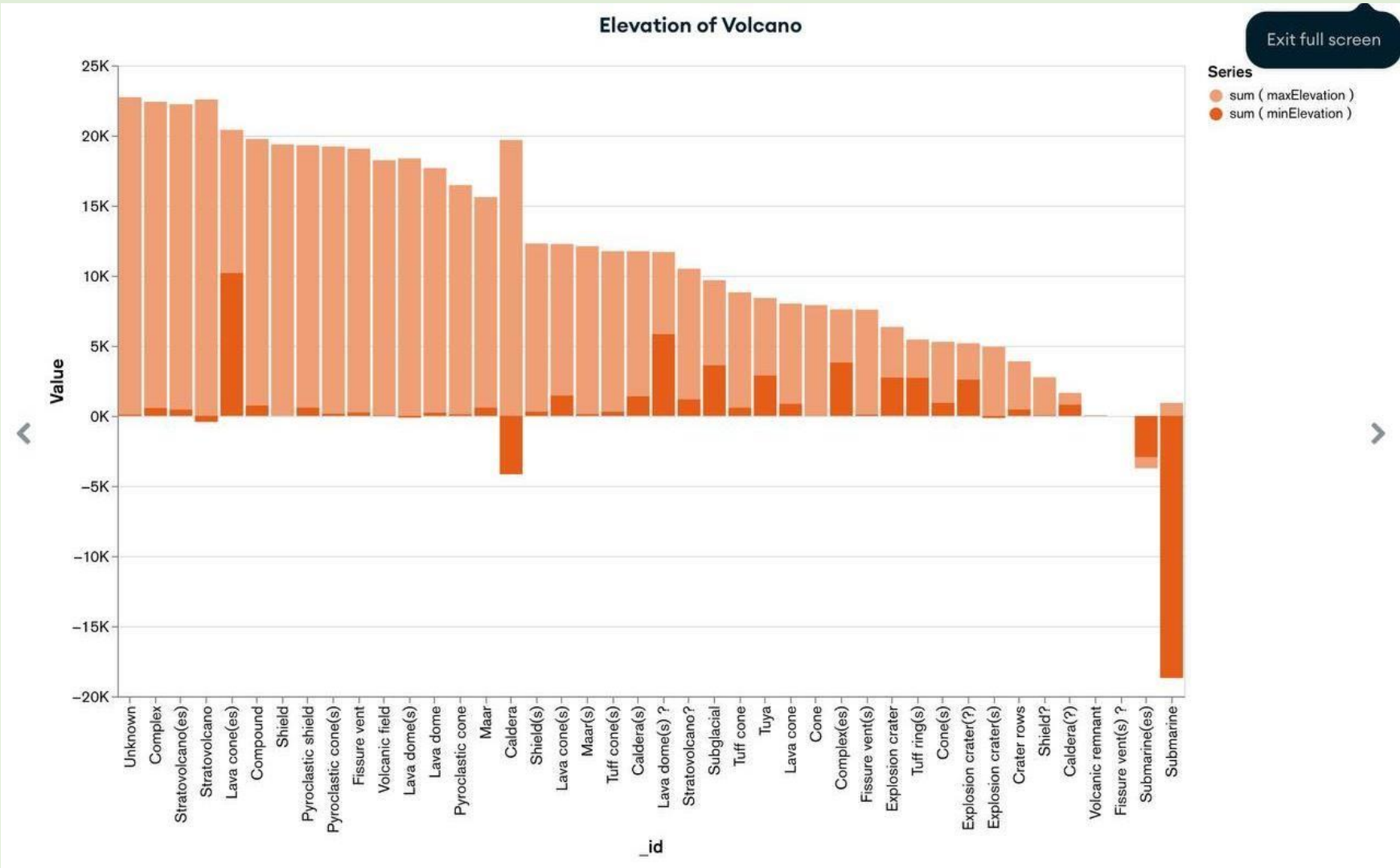
As you can see above the line chart describes the relationship between the Volcanoes types and the sum of the population, the densest population is located close to the Caldera type with 13 Million, while Leva cones are the smallest one.

2.Volcanoes erupted before BCE



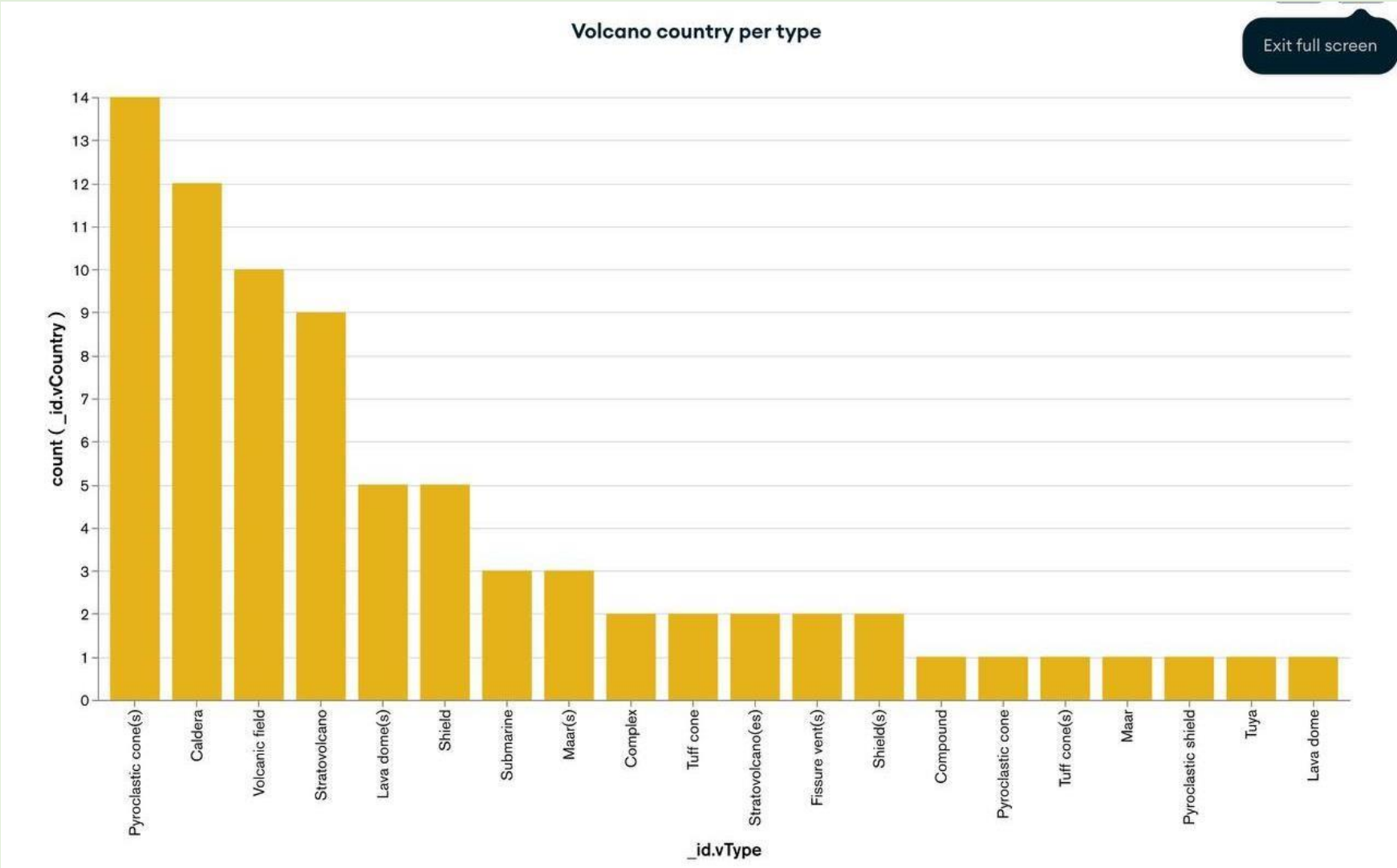
The reason here depends on the environment of each country before the common era. As you can see in the area chart represents the relationship between the countries that contain the volcanoes with the elevation when the volcano erupted. The elevation reached 160 km in the United States, which is the highest. While Italy did not reach any point (0K). But the undersea feature reached deeply with -21K.

3.Elevation of Volcano



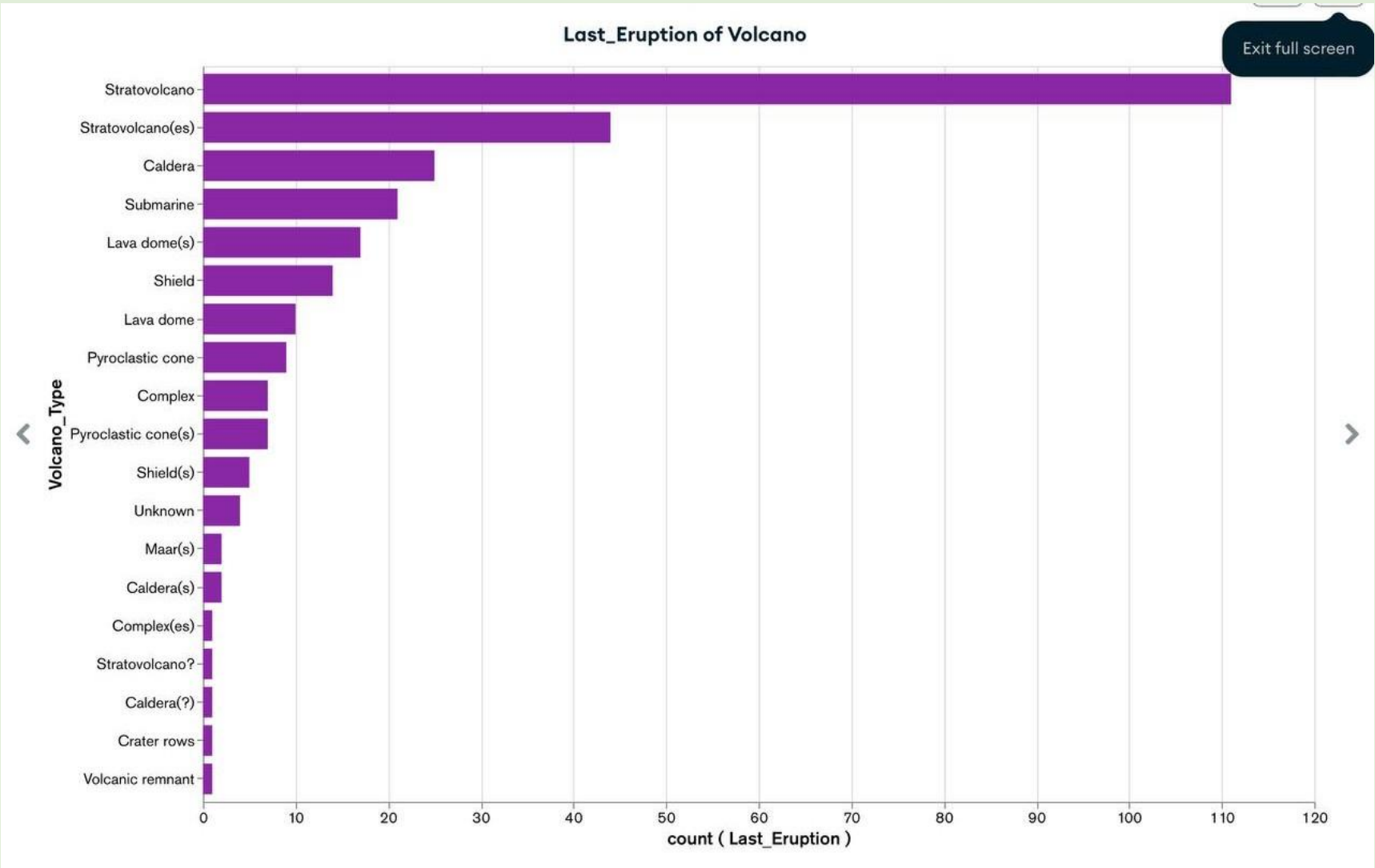
The bar chart above describes the relationship between the volcano type and the elevation value, we figured out that the complex type has a maximum elevation of more than 20 kilometers, while the submarine type is a minimum elevation with a negative value which is -15k kilometers.

4.Volcano type per country



The weather is playing an essential role in volcano distribution, therefore, the bar chart above, describes the volcano type distributed around the world. As you can see, the pyroclastic cone distributed around 14 countries and thus is a big number, while the lava dome is located in one country.

5. Last Eruption of volcano



The Last chart above shows which type for each last volcano happened