the goal of this project is to understand the behaviour of the tsunami and it dependenciesusing historical data that starts from 200 BC till 2011 AD. This project proposes using a neural network to further predict the tsunami event.

Figure 1 shows the most affecting features, where the topmost three are the tsunami event region, runups horizontal and longitude.

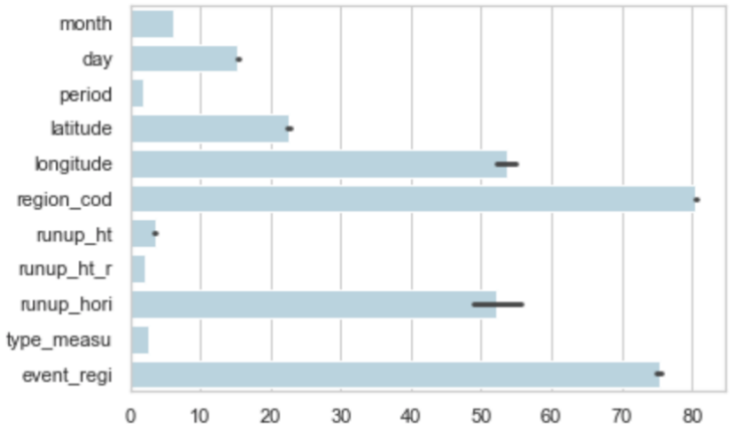

Figure 1 feature comparison

Visual 2 shows how march has the most tsunami events. Moreover, Visualizing the cause feature to understand what factors lead to tsunamis the most, as seen in figure 3 earthquake and volcanos are the most overlapping causes.

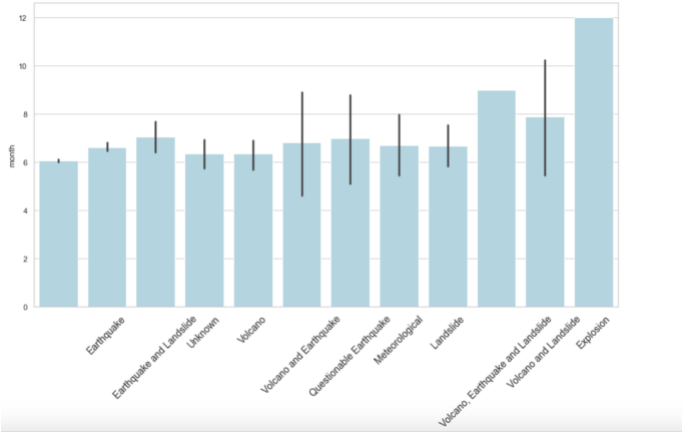

Figure 3 causes visual

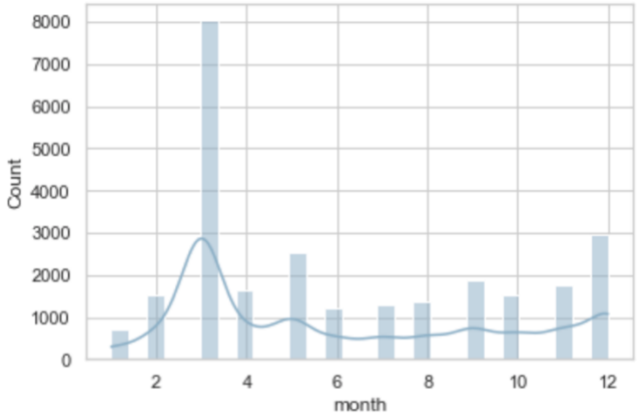

Figure 2 tsunami intensity in relation to month

Finally, Visualizing the peak of the tsunami with the runup feature, where 0 is the lowest and 5 the maximum. As seen bellow in figure 4 the pacific and Atlantic oceans had the higher peaks.

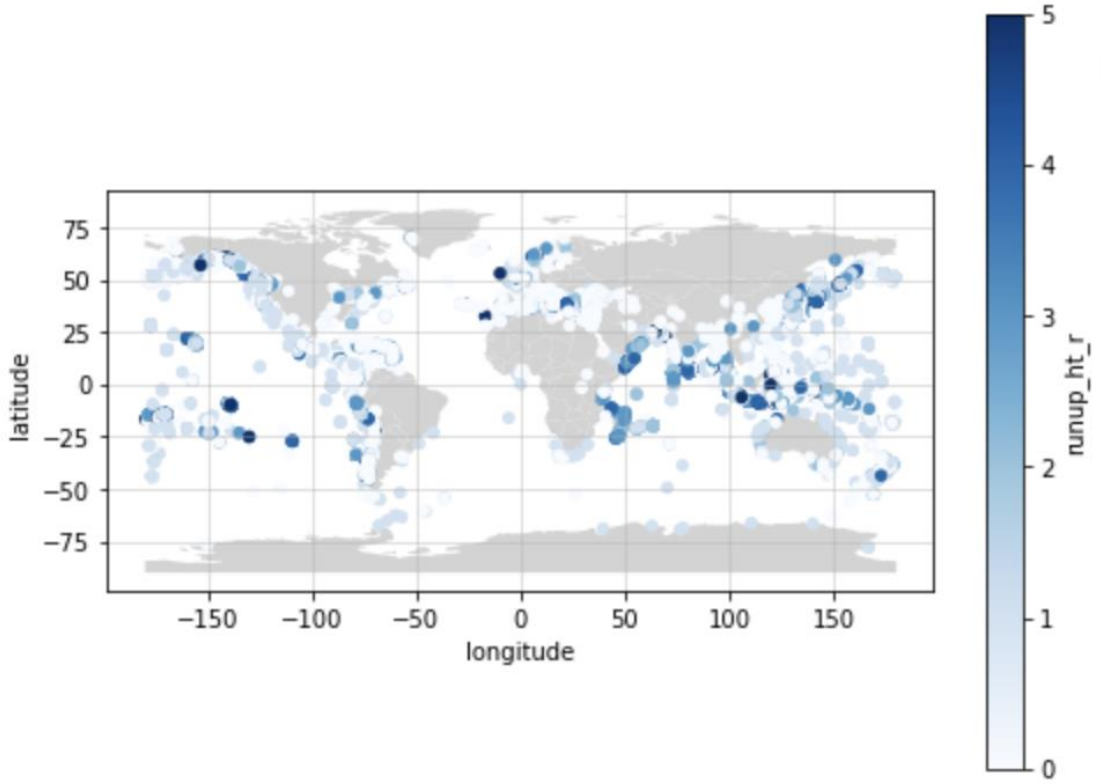

Figure 4 peak tsunami on map