

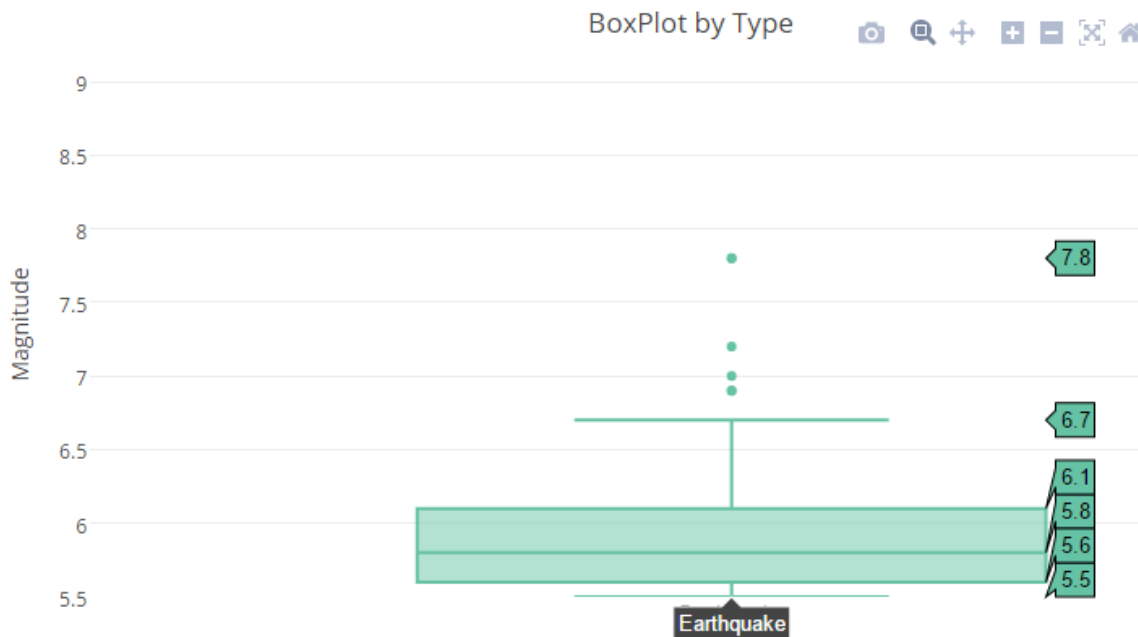
Aldo Franco Comas

100355330@alumnos.uc3m.es

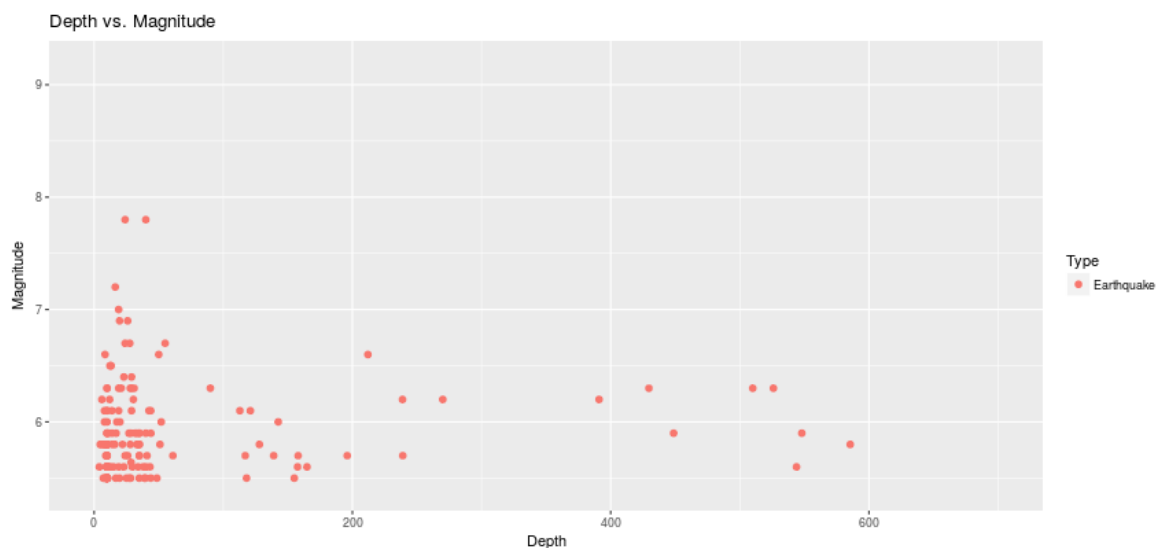
<https://afcomas91.shinyapps.io/terremoto>

From 1965 the National Earthquake Information Center determines the location and size of all significant earthquakes that occur worldwide. This database was downloaded from [Kaggle](#) and was cleaned it with R.

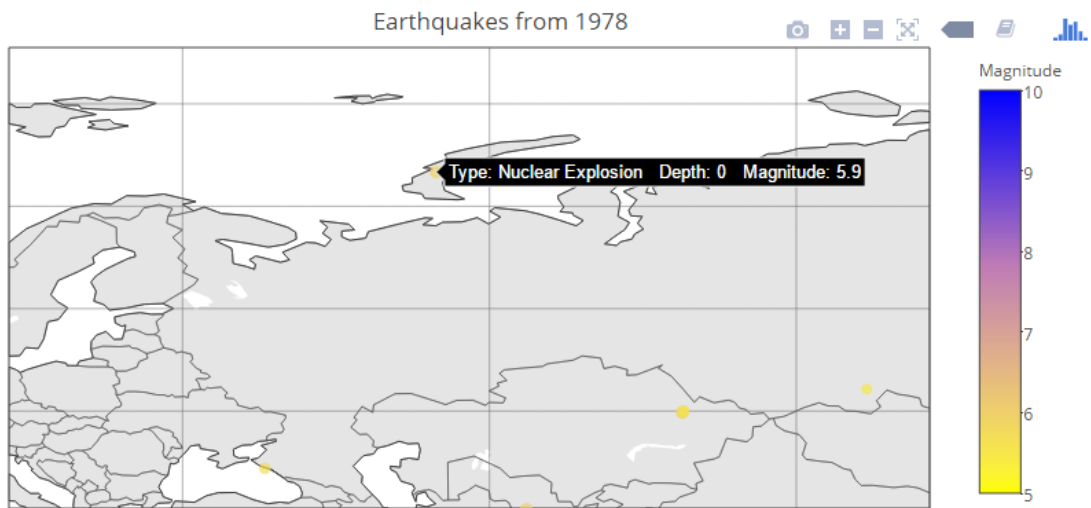
In all the years we have unusual earthquakes, this affirmation can check observing the outliers in the boxplot by years.



Observing the scatter plot is evident that it doesn't exist a linear regression between the depth and the magnitude.



We can observe how in the years of the Cold War were reported a lot of earthquakes caused by the nuclear tests, against a few reported after 1991 (Year the Soviet Union collapsed). We can observe how in the nuclear test site [Novaya Zemlya](#) in Russia (74°N 56°E) were done a lot of nuclear tests.



We can observe too that in the Pacific zone called The Ring of Fire a huge number of earthquakes occur along the Ring of Fire.

