

Metadata info:

Source description: The source file has below columns.

#time	latitude	longitude	depth	mag	magType	nst	gap	dmin
#rms	net	id	updated	place	type	horizontalError	depthError	
#magError	magNst	status	locationSource	magSource				

Some of the data may have blank. Therefore handling empty cell is required.

The file is formatted with CSV standard.

The program-07.py has analysis of KDE plot, CDF plot, scatter plot, histogram. Once the CSV file is converted into DataFrame, the programmer can have more flexibility to join, split the data as he/she wants.

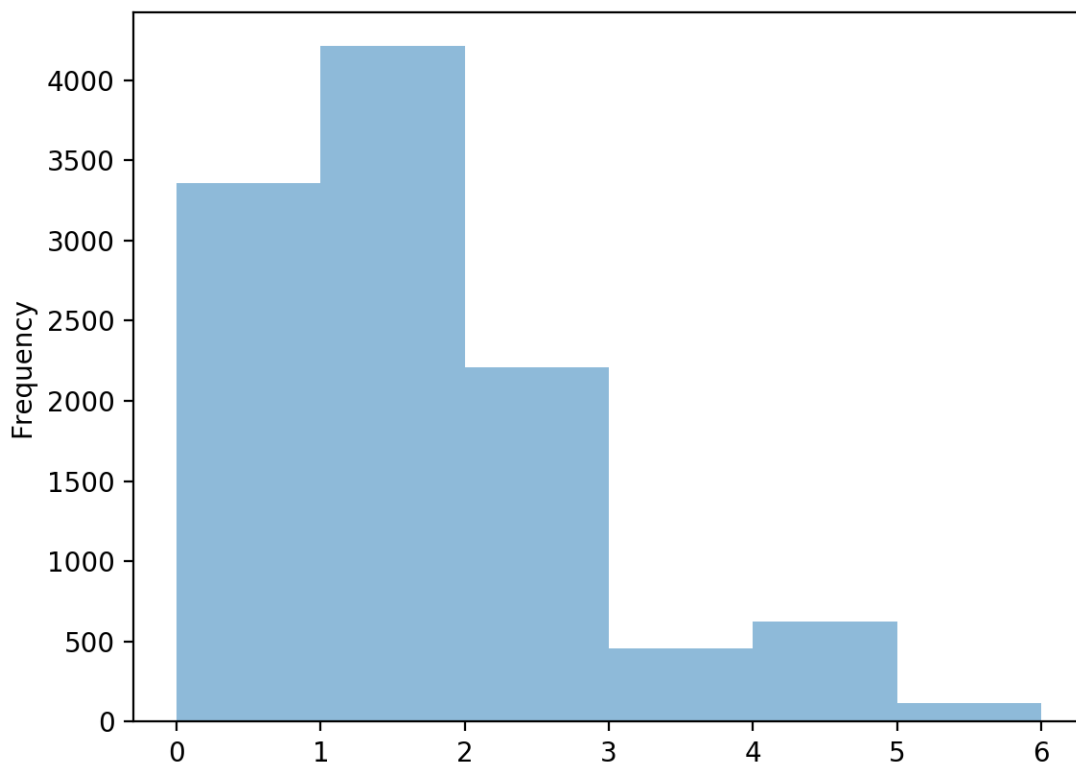


Fig. 1 histogram of earthquake bin =10

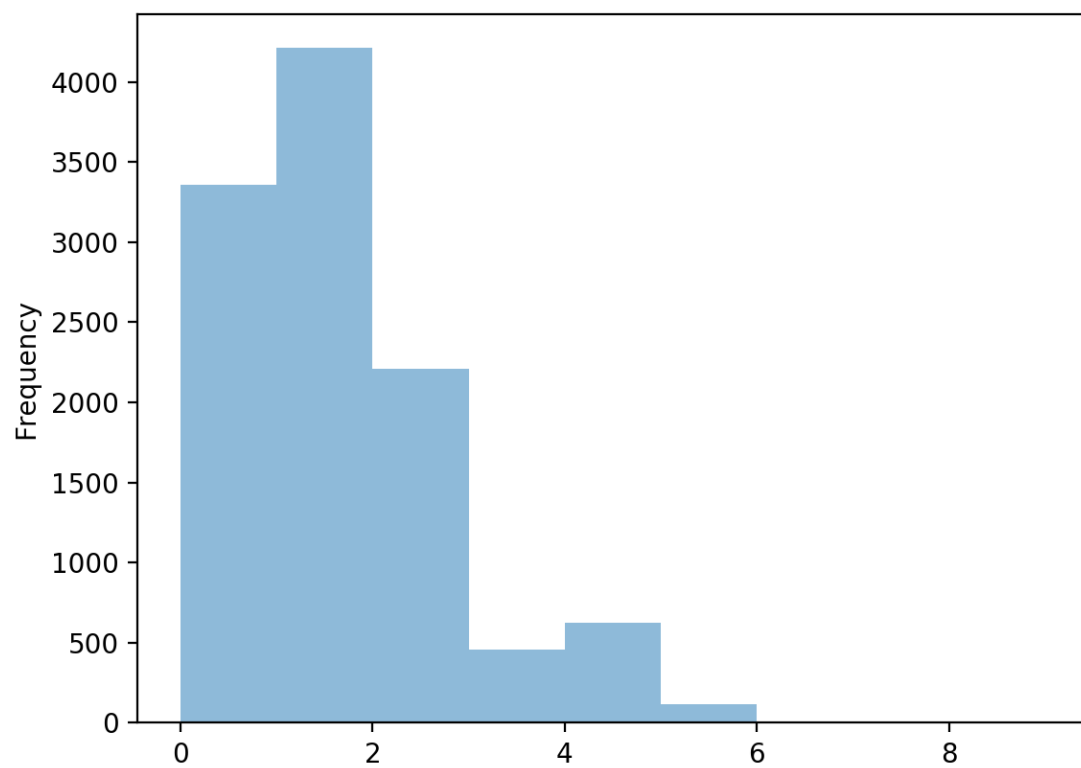


Fig. 2 Histogram of earthquake with bin= 7

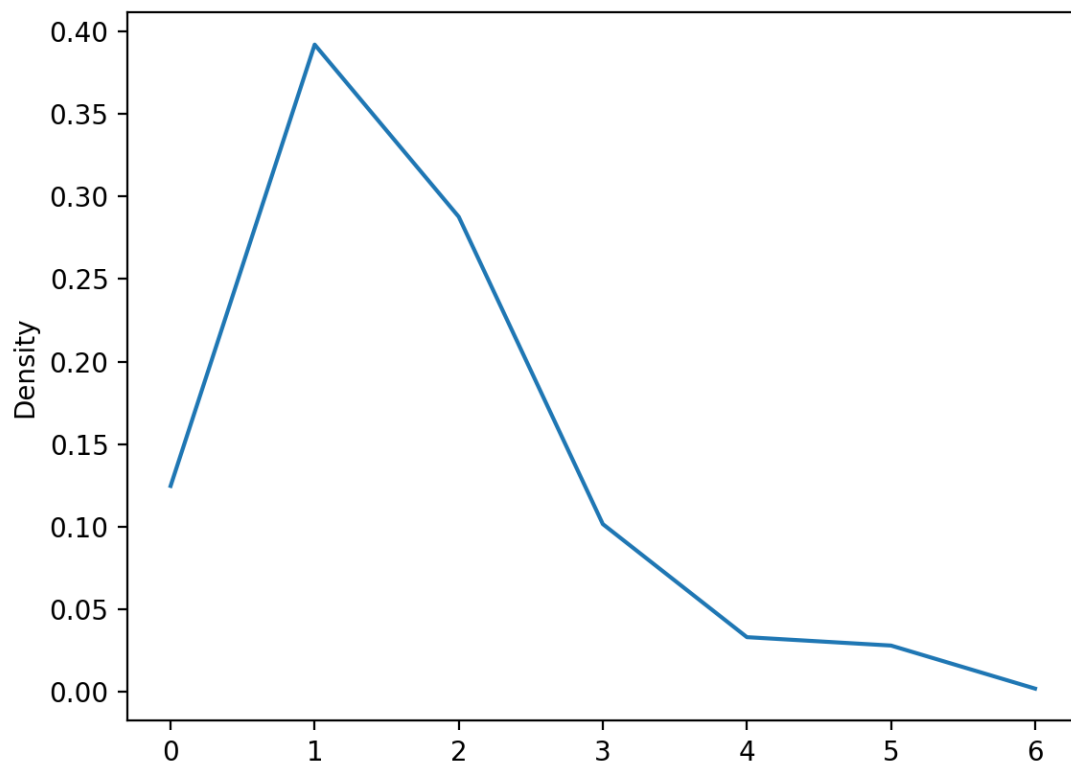


Fig. 3 KDE plot with bin = 6

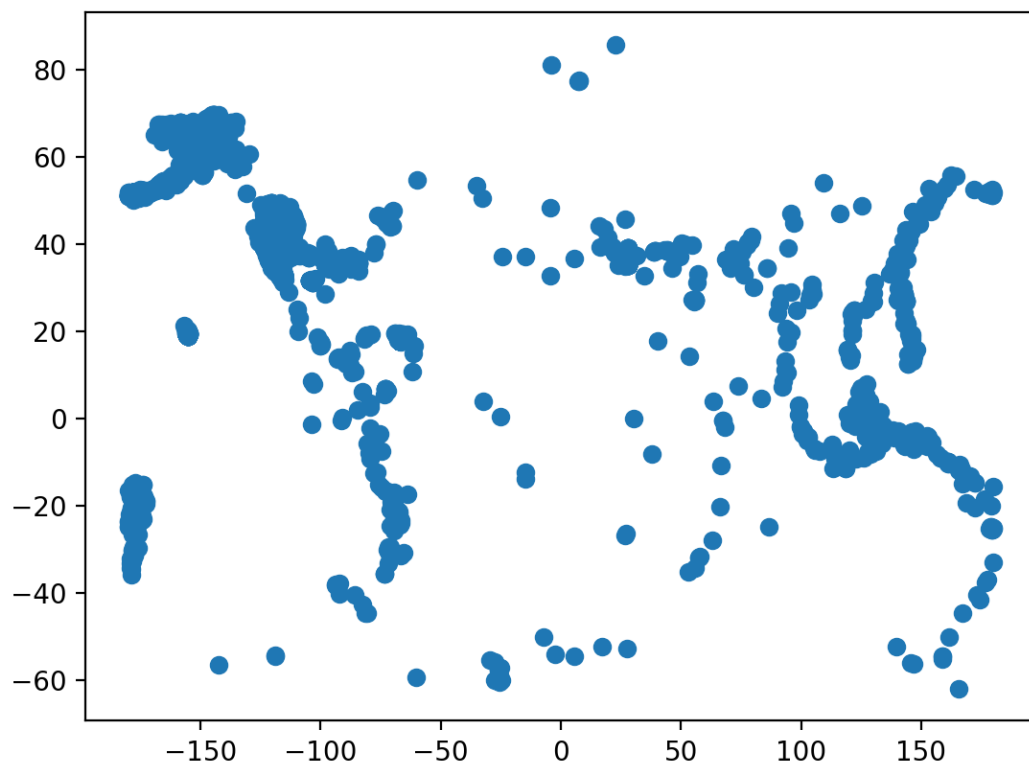


Fig. 4 Lat VS Long for earthquakes

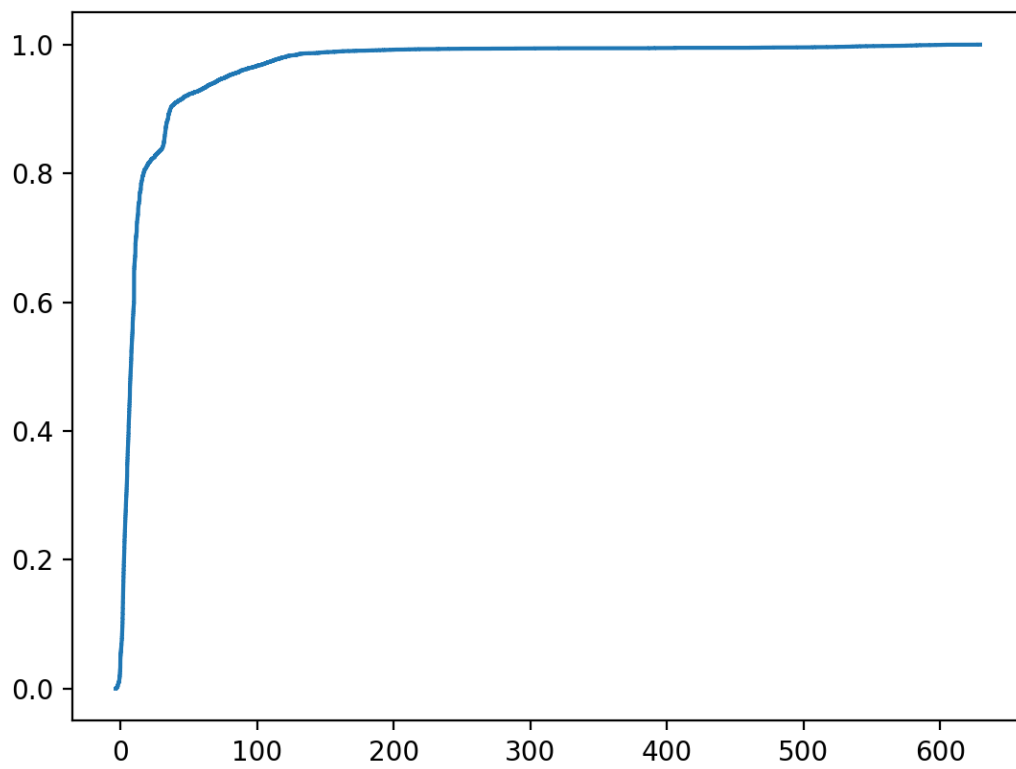


Fig. 5 CDF plot for earthquake depth

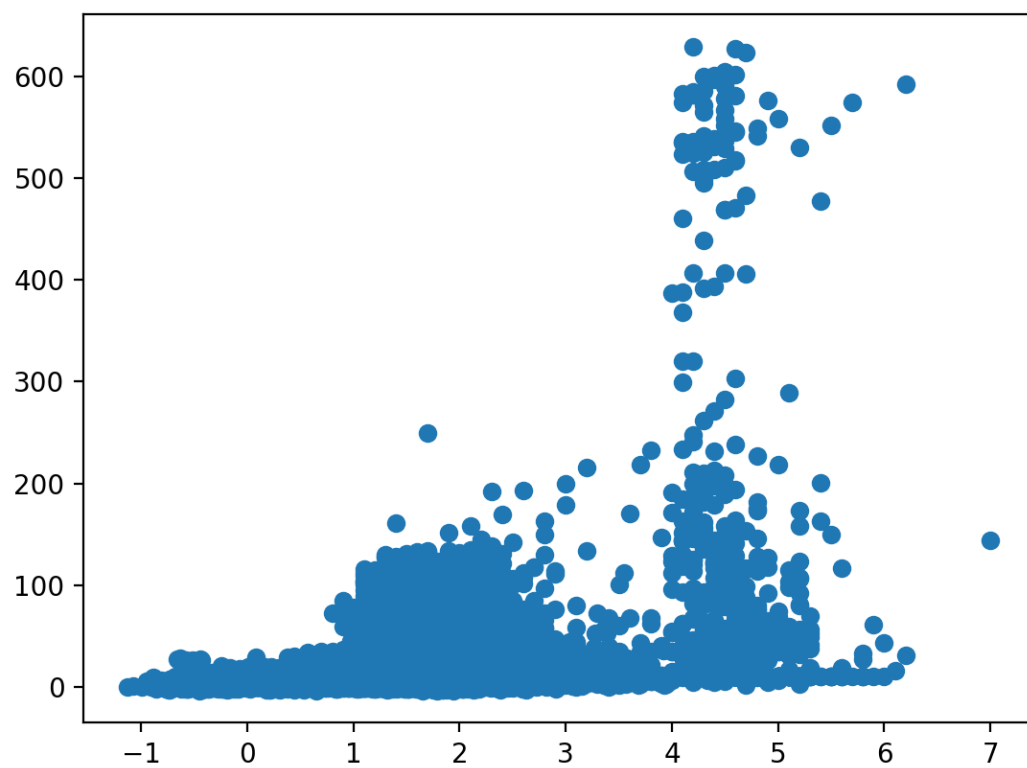


Fig. 6 Scatter plot for Mag VS depth

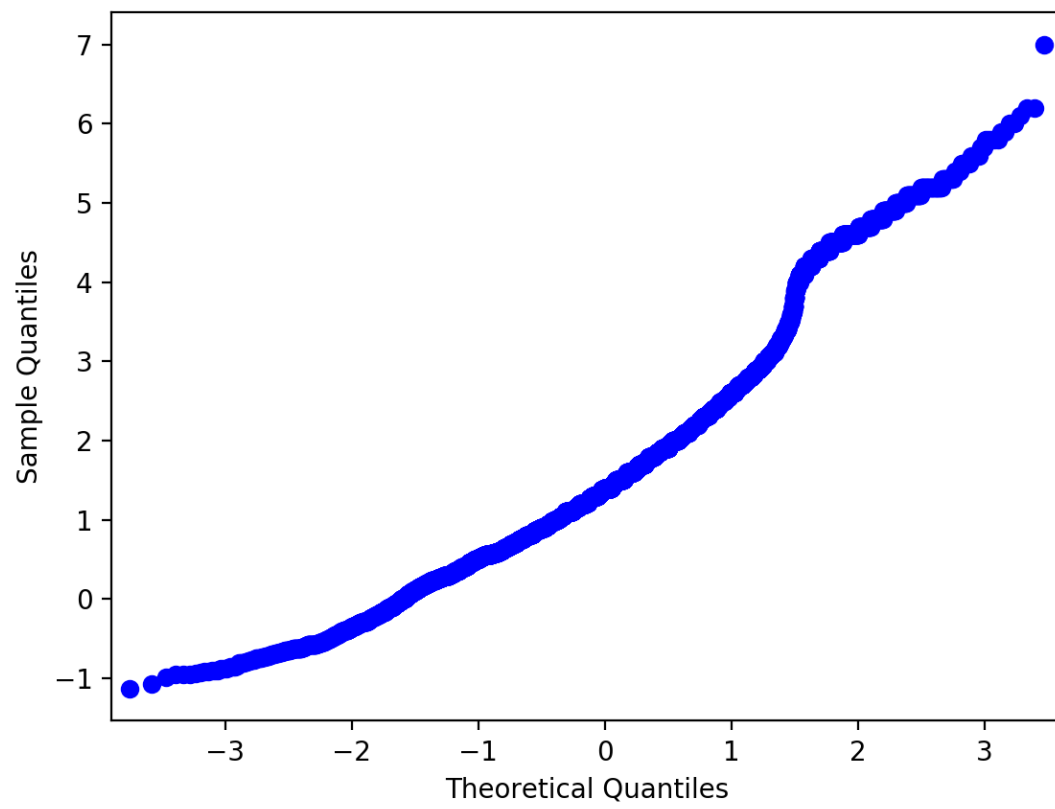


Fig. 7 Q-Q plot for earthquake magnitudes