Metadata ino:

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.

A screenshot of a cell phone

Description automatically generated

Fig. 1histogram of earthquake bin =10

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Fig. 2 Histogram of earthquake with bin= 7

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Fig. 3 KDE plot with bin = 6

A close up of a map

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Fig. 4 Lat VS Long for earthquakes

A screenshot of a cell phone

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Fig. 5 CDF plot for earthquake depth

A screenshot of a cell phone

Description automatically generated

Fig. 6 Scatter plot for Mag VS depth

A close up of a map

Description automatically generated

Fig. 7 Q-Q plot for earthquake magnitudes