Business Problem Statement:

As a data analyst, the goal is to uncover meaningful insights from the 'Earthquake Events Worldwide 2023' dataset and present engaging content to your audience. The primary objective is to analyze the seismic activity trends and patterns to create informative and visually appealing videos.

Specifically, the focus is on:

Temporal Trends:

- Explore the temporal distribution of earthquakes throughout the year 2023. Identify peak months, days, or time periods of heightened seismic activity.

Geographical Patterns:

- Investigate the geographic distribution of earthquakes by analyzing latitude and longitude coordinates. Highlight regions with higher frequency or increased magnitudes.

Depth and Magnitude Correlation:

- Examine the relationship between earthquake depth and magnitude. Determine if there's a correlation

and whether deeper earthquakes tend to have higher magnitudes.

Impact on Different Land Types:

- Assess the impact of earthquakes on various land types (e.g., Western, Eastern, Central). Identify regions most susceptible to seismic events.

Country-specific Analysis:

- Analyze earthquake occurrences in different countries. Identify nations experiencing a higher frequency of earthquakes and their magnitudes.