Assignment 07

# Title:

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# Dashboard 1: Maximum Magnitude

## Visual 1: Packed Bubbles plot

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Find top three years with maximum magnitude. What are those years?

Ans: The top three maximum magnitude years are 1960,1964 and 2004

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## Visual 2: Box and Whisker Plot

### Median:

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### Maximum:

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### Minimum:

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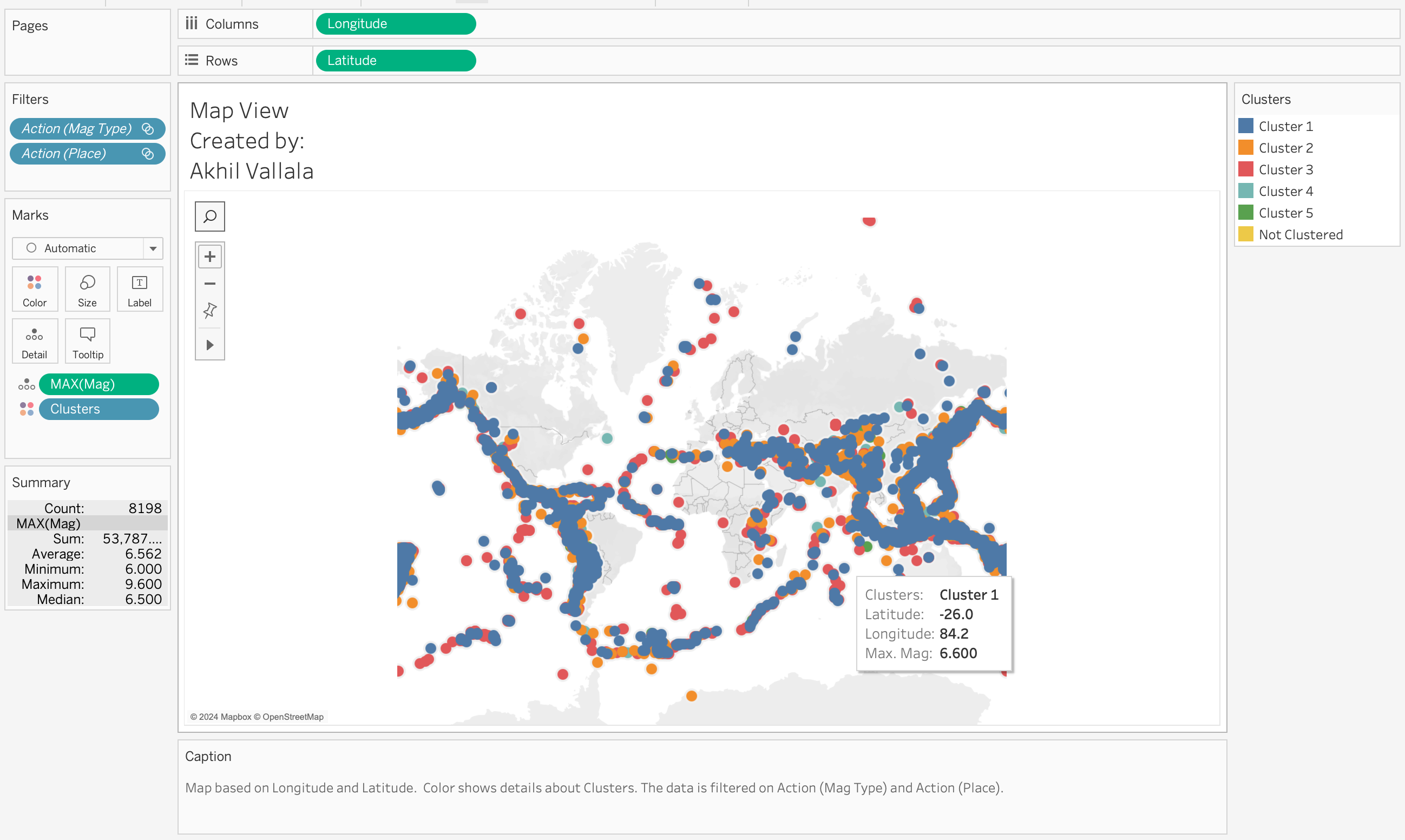
## Dashboad1 :

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# **Dashboard 2: Map View**

### **Map View:**



Perform **‘cluster analytics’ using K-Means clustering on Max Magnitude**

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Check cluster description. Which cluster has all the max magnitude earthquakes ?

Cluster 5 has the highest average maximum magnitude of earthquakes at 8.169, indicating that this cluster contains the earthquakes with the greatest magnitudes.

### Gannt view:

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## **Dashboard 2: Map View**

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# **Visualizations of choice**

### Visual1: Max Mag of Each Mag Type

A screen shot of a graph

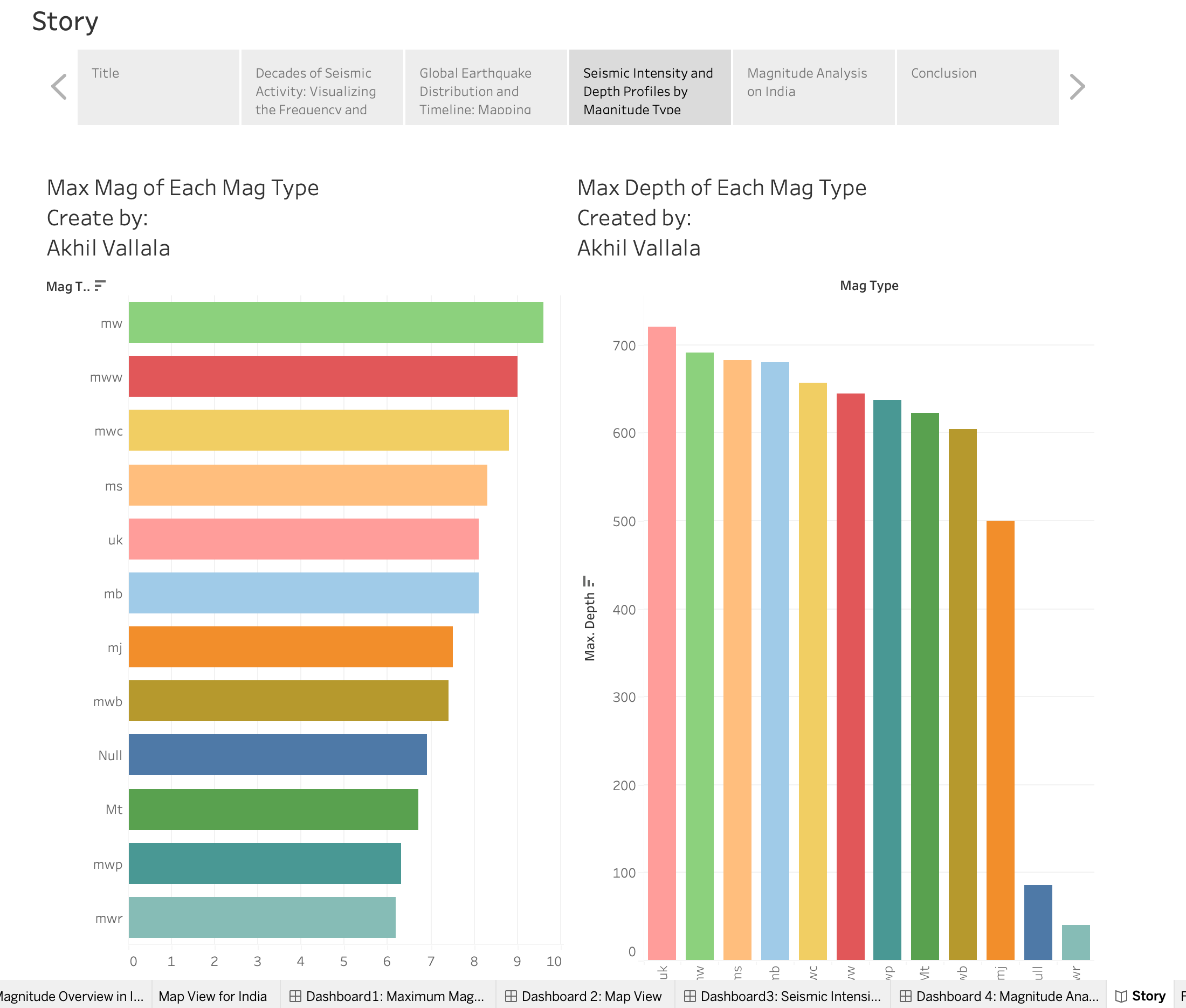
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### Visual2: Max Depth of Each Mag Type

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# Dashboard3: Seismic Intensity and Depth Profiles by Magnitude Type



## Visual 3: Seismic Magnitude Overview of India and the Indian Ocean

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Visual 4: Map View for India and the Indian Ocean A map of the world

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Dashboard 4: Magnitude Analysis on India

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# Conclusion:

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# Task2: Predict the magnitude intensity of earthquakes for the next 20 years. Present the actual and predicted values in one visualization.

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# Task3: Publish your visualization on Public Tableau and submit the Tableau link and the screenshot document.

Public Link:

<https://public.tableau.com/app/profile/akhi.vallala/viz/assignment07bigdata/Forecasting>