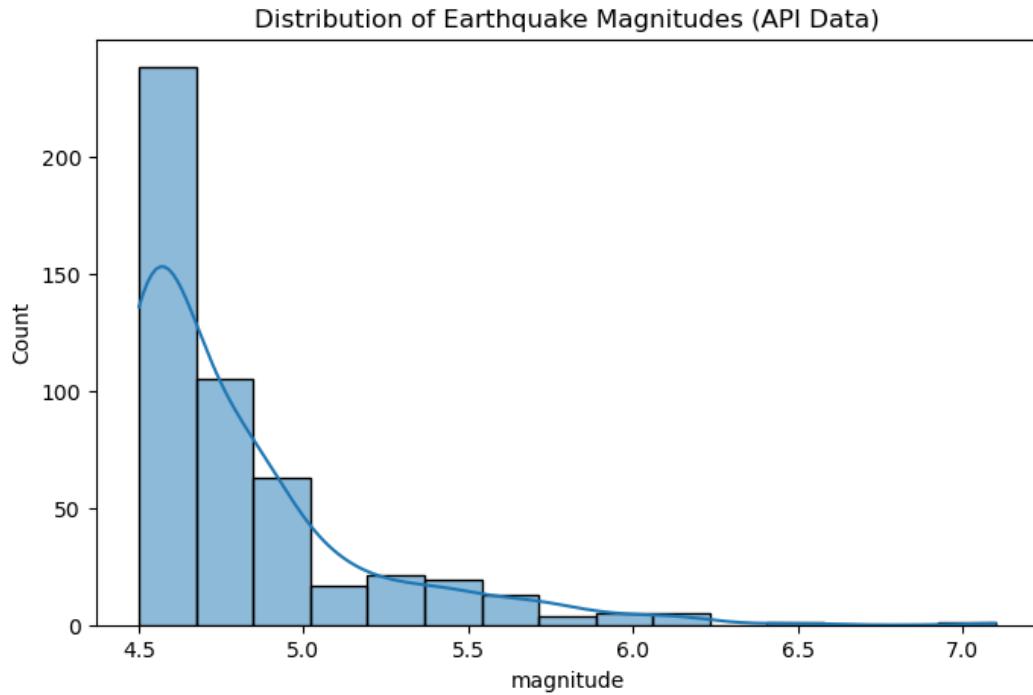
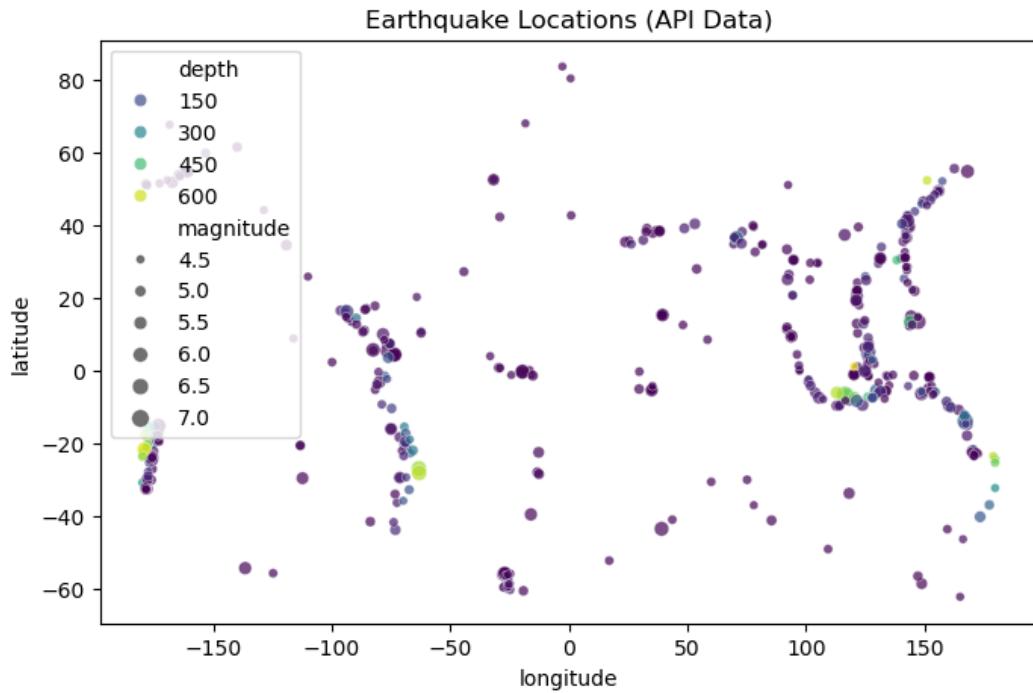


Notebook Output Screenshots

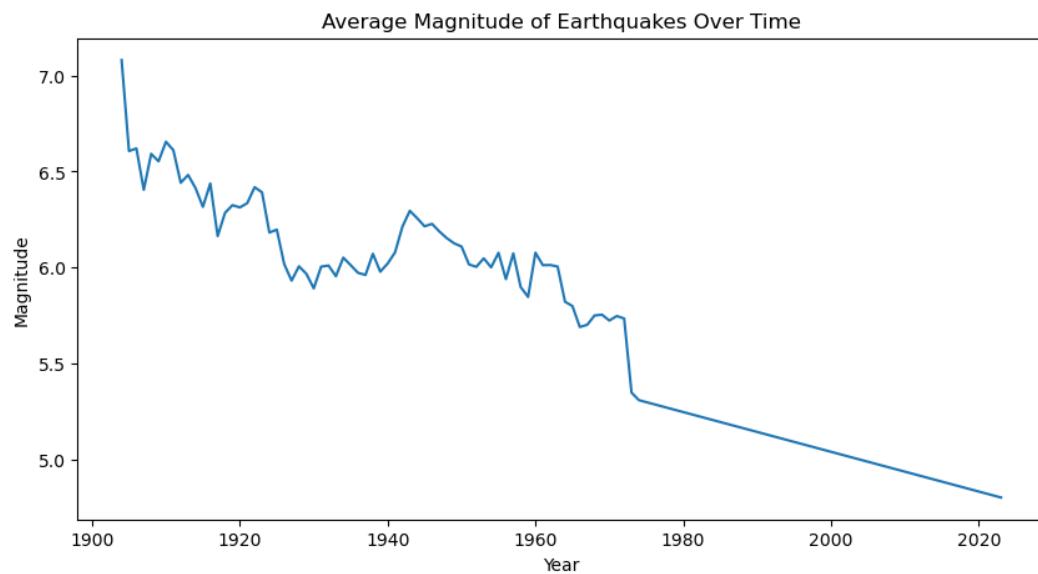
Output 1



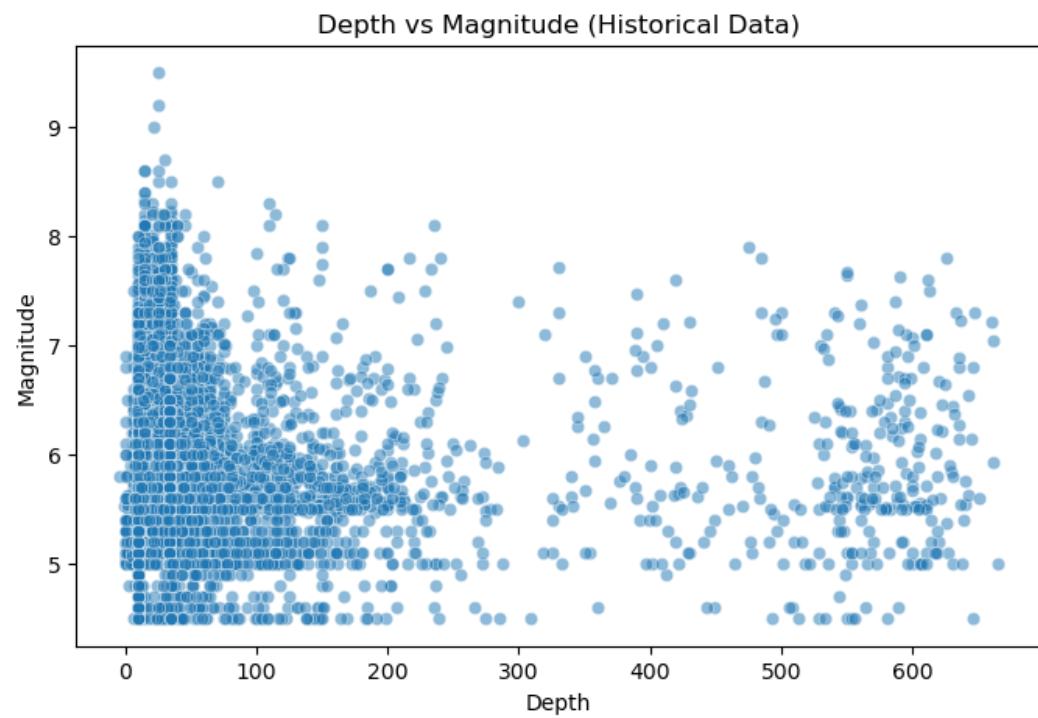
Output 2



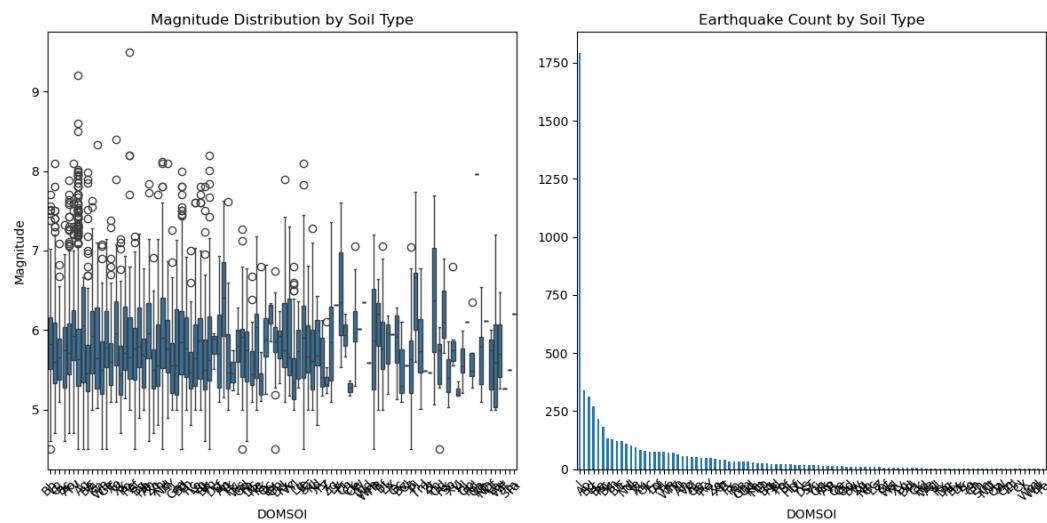
Output 3



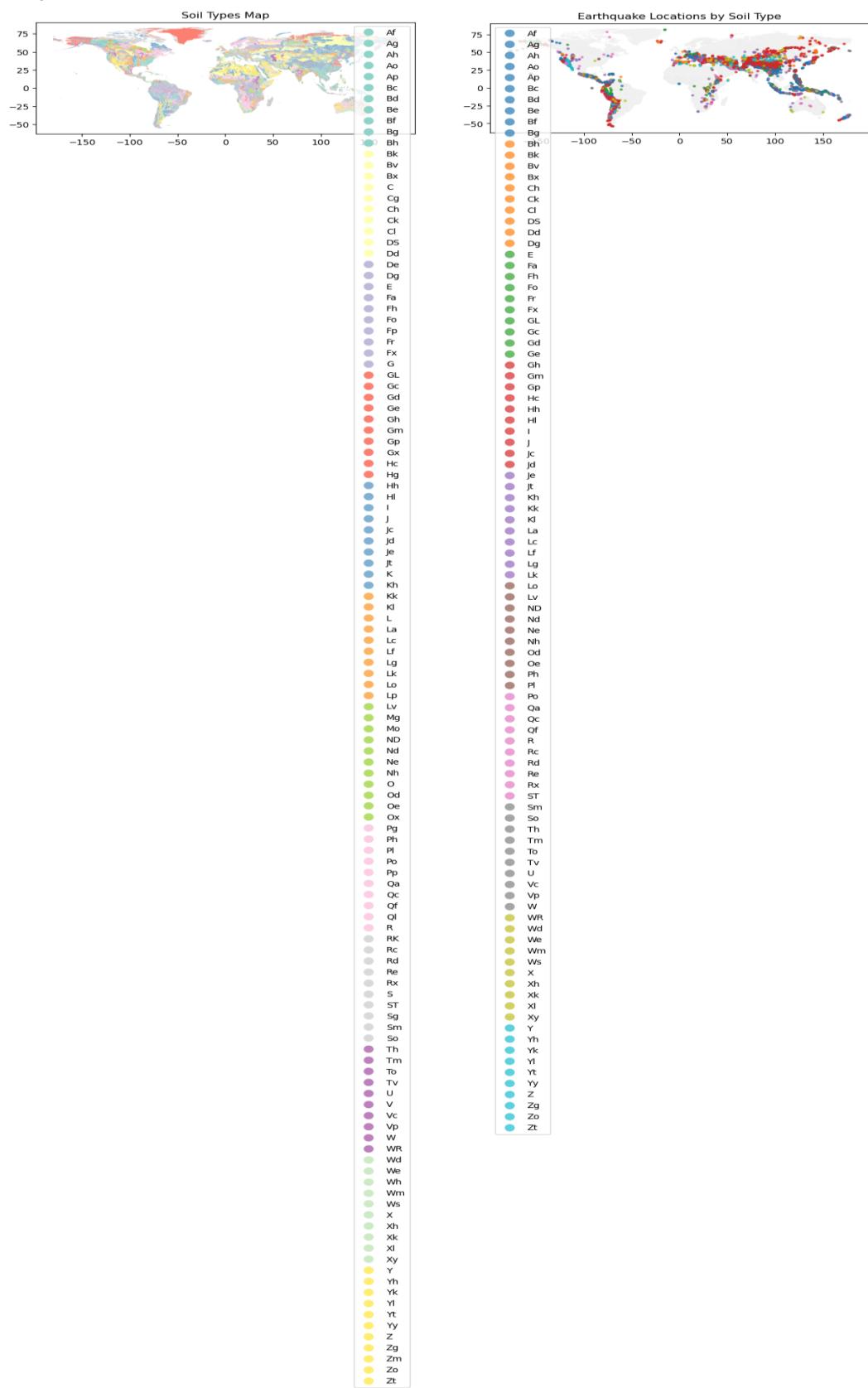
Output 4



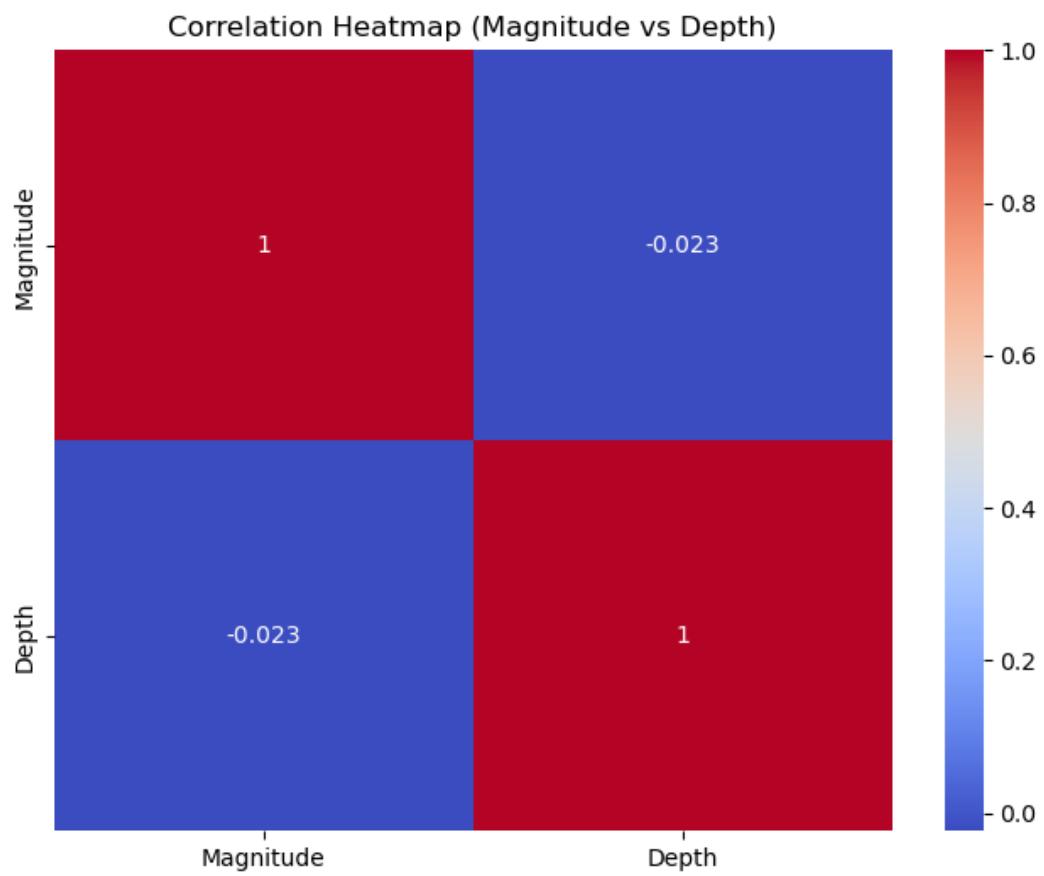
Output 5



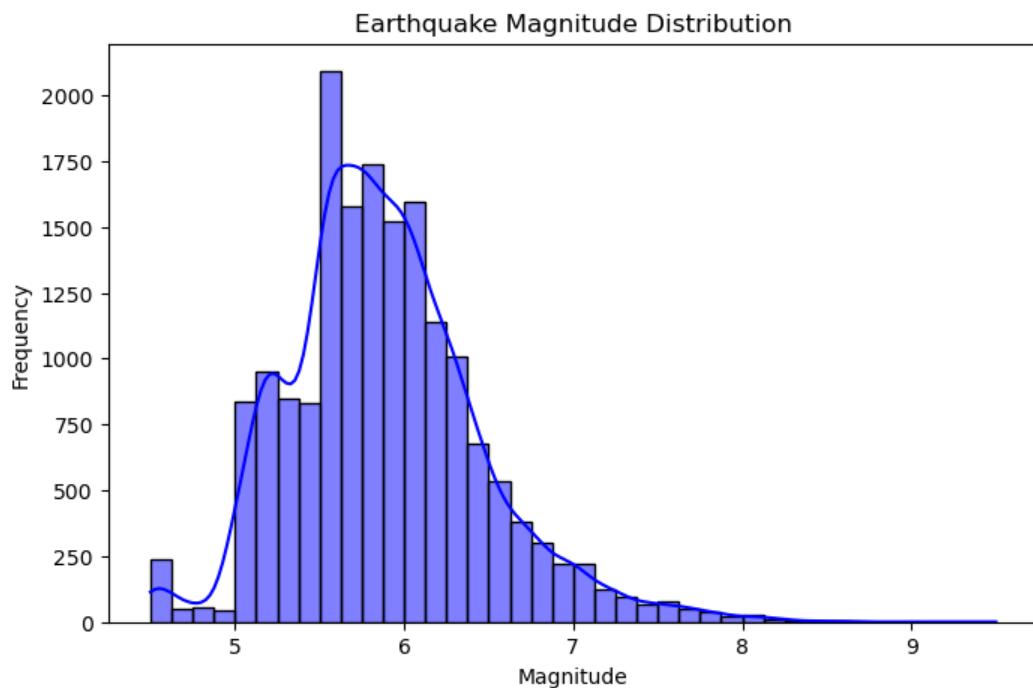
Output 6



Output 7

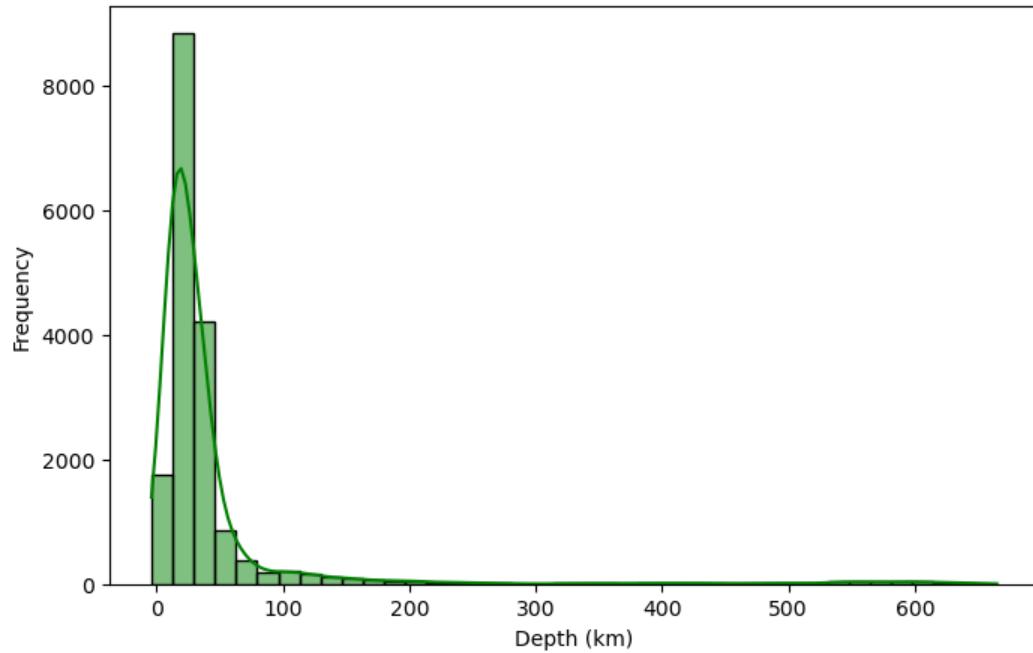


Output 8



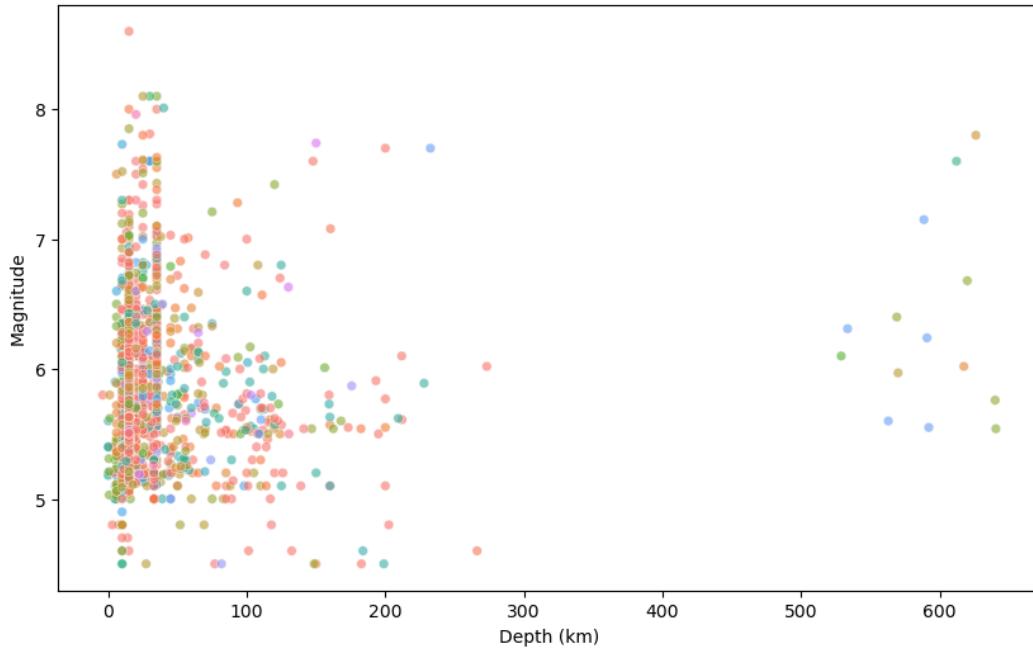
Output 9

Earthquake Depth Distribution

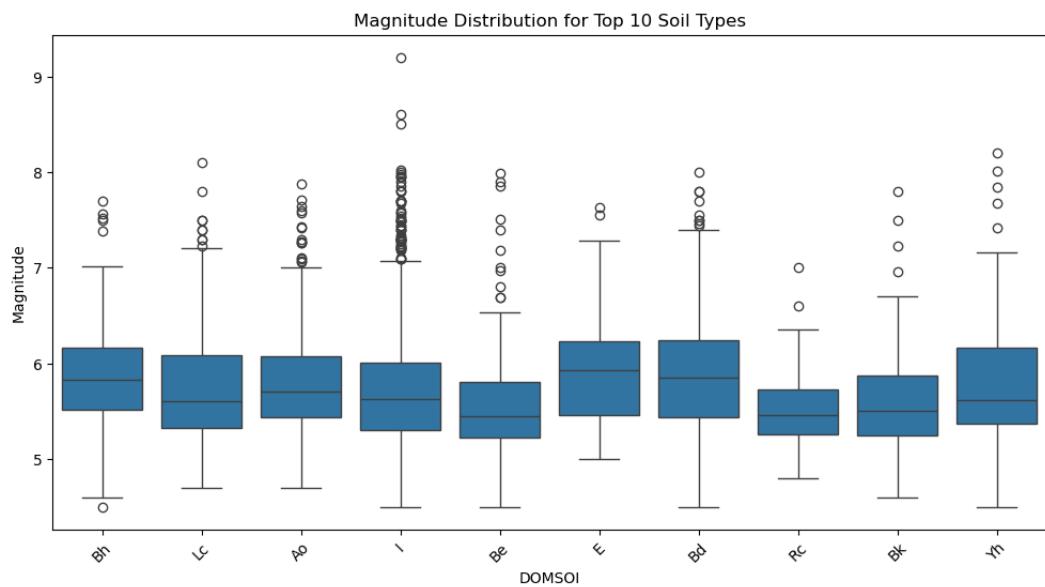


Output 10

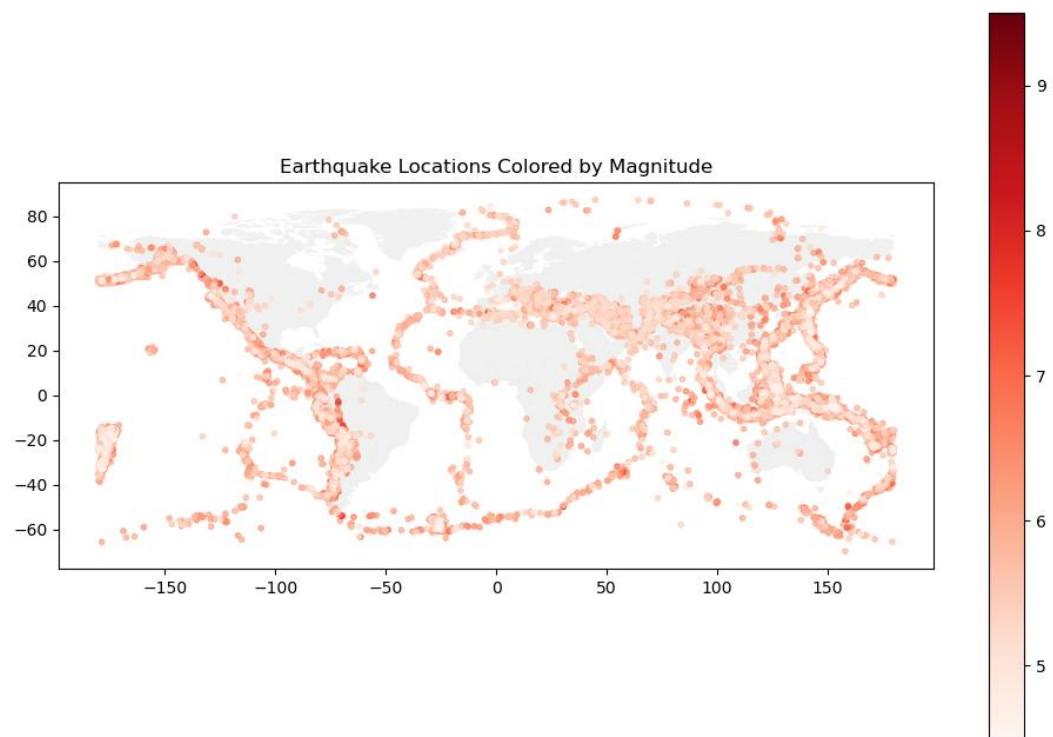
Magnitude vs Depth by Soil Type



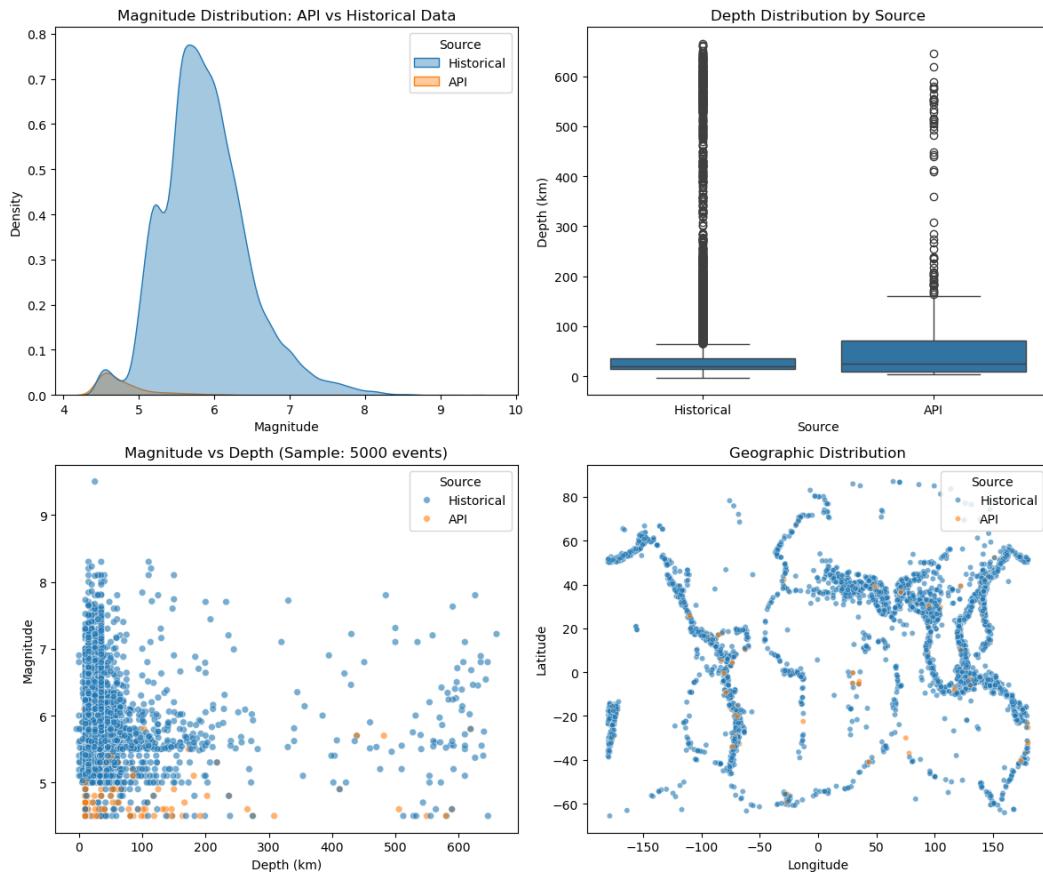
Output 11



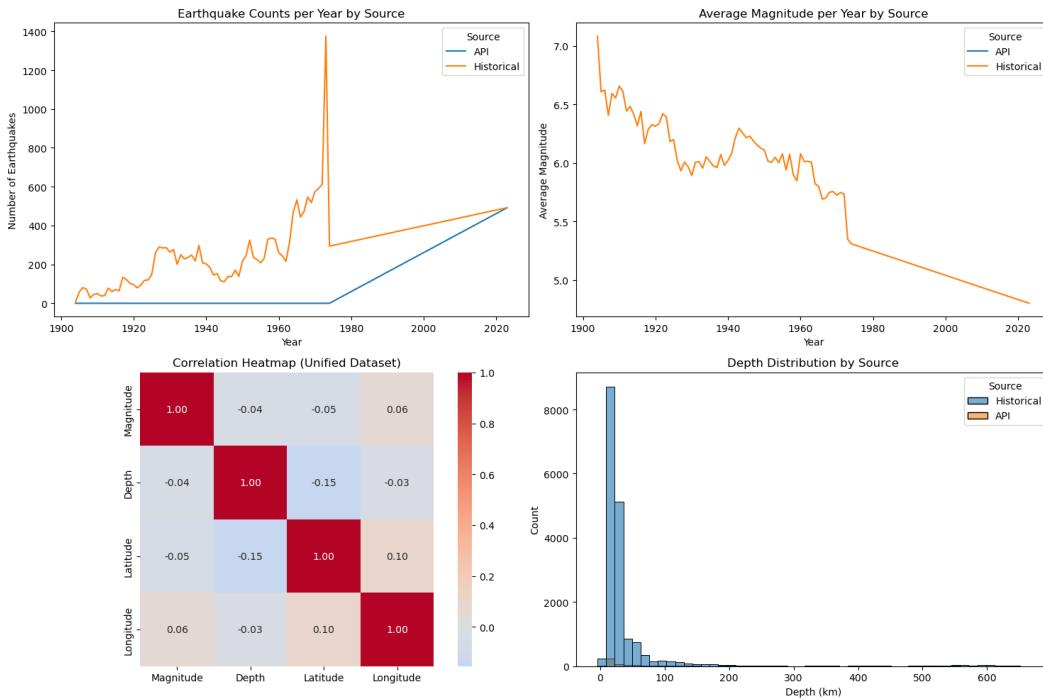
Output 12



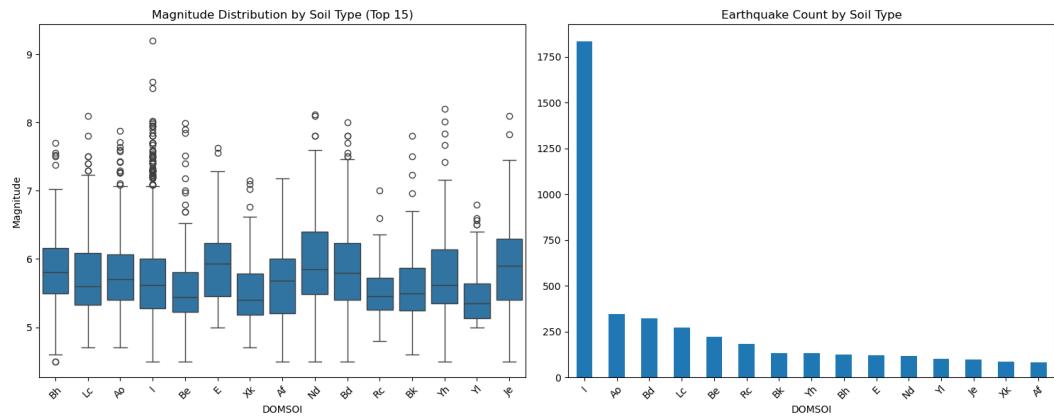
Output 13



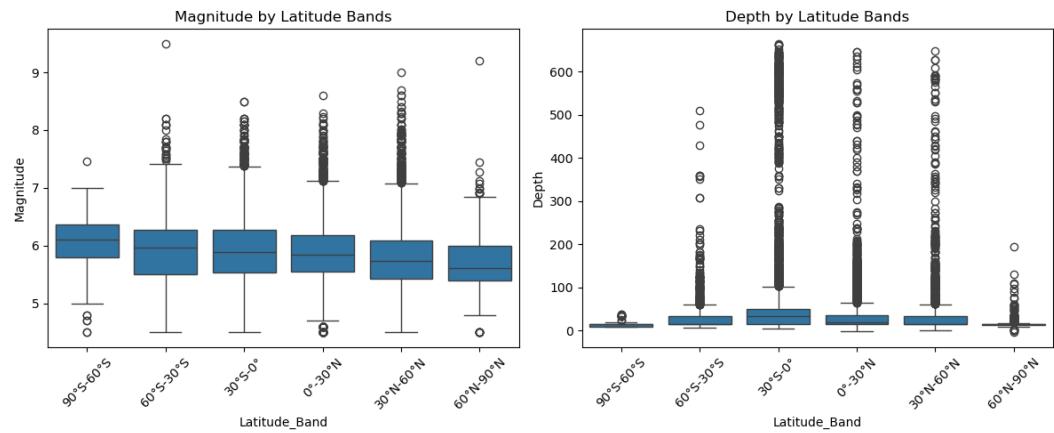
Output 14



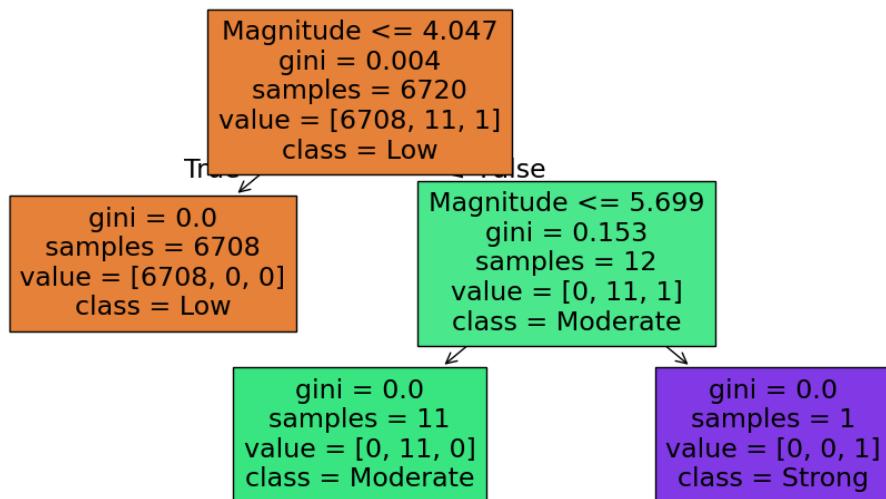
Output 15



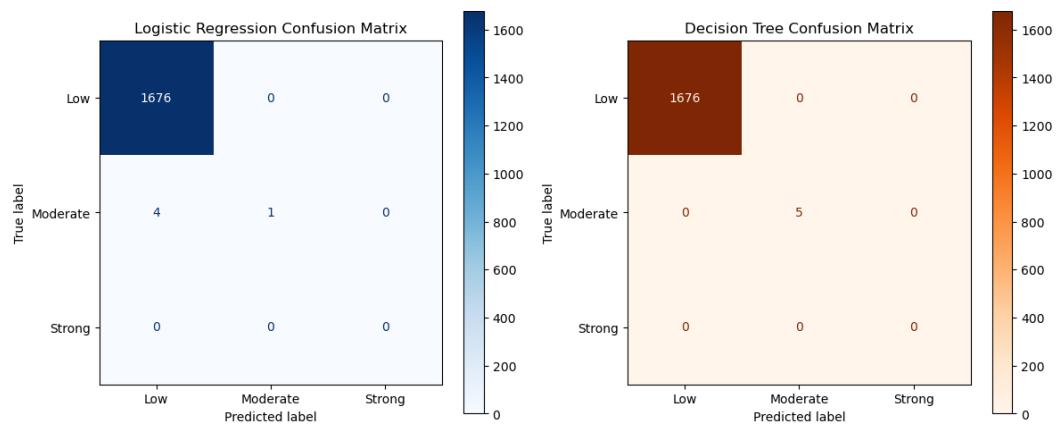
Output 16



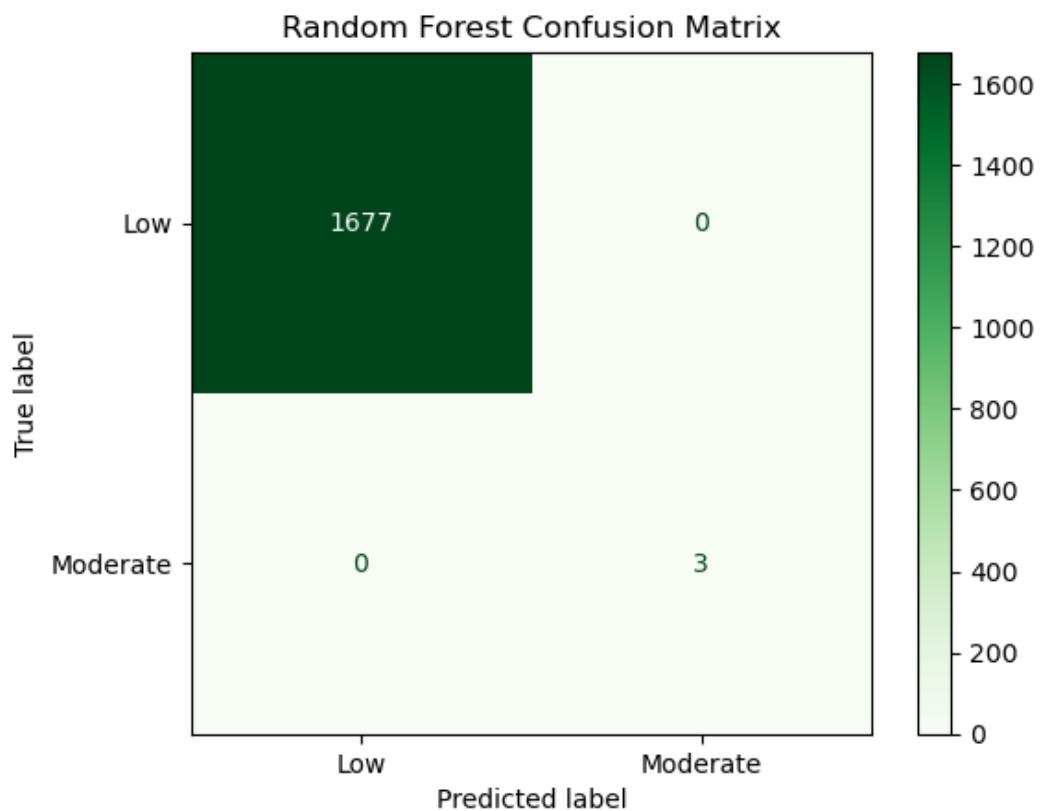
Output 17



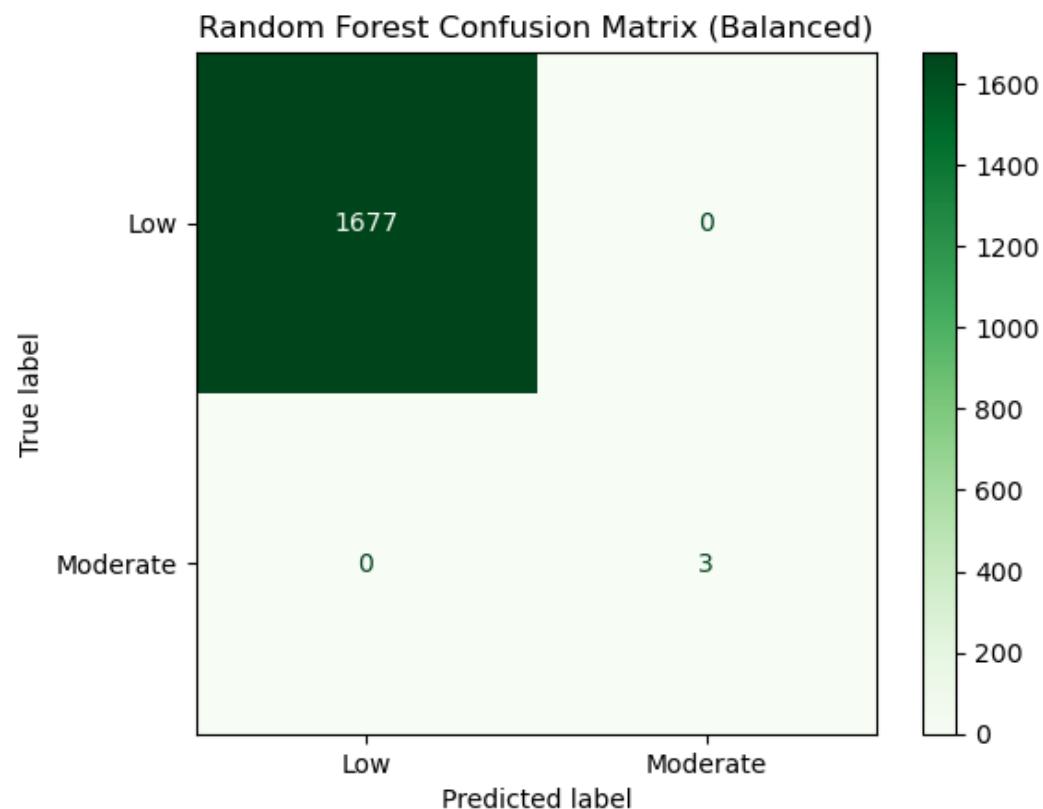
Output 18



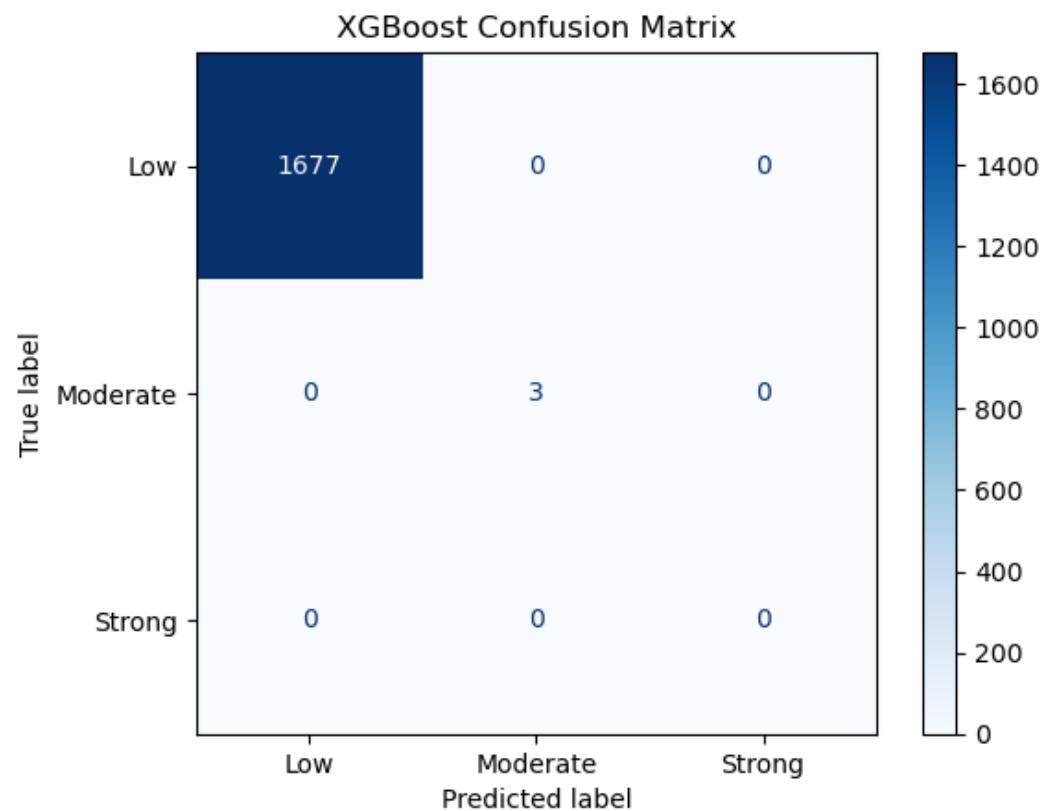
Output 19



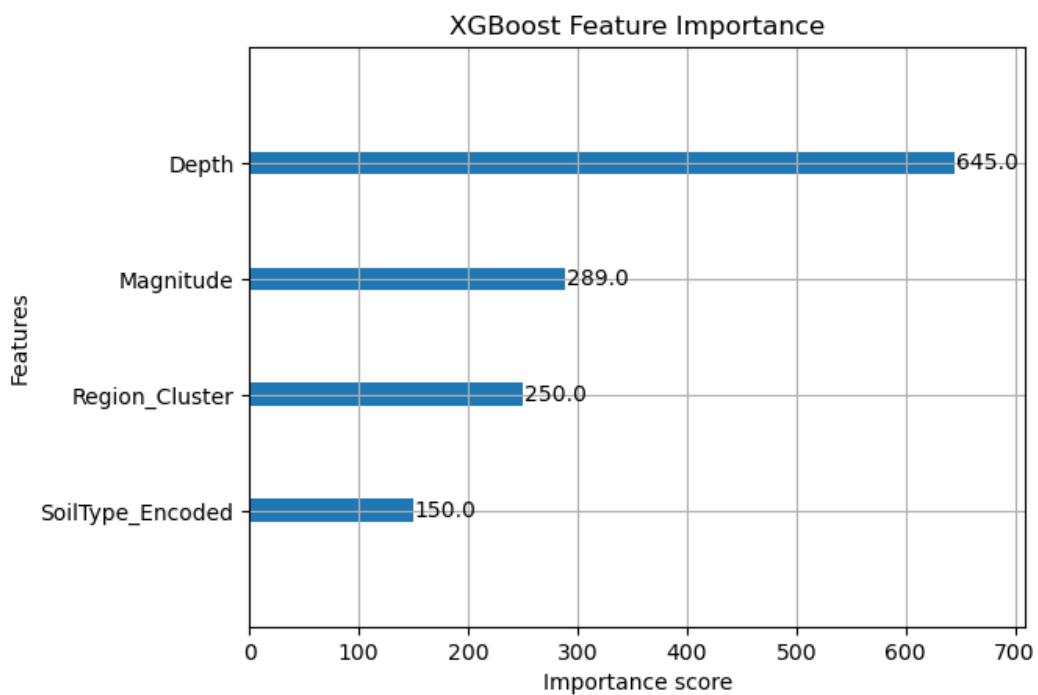
Output 20



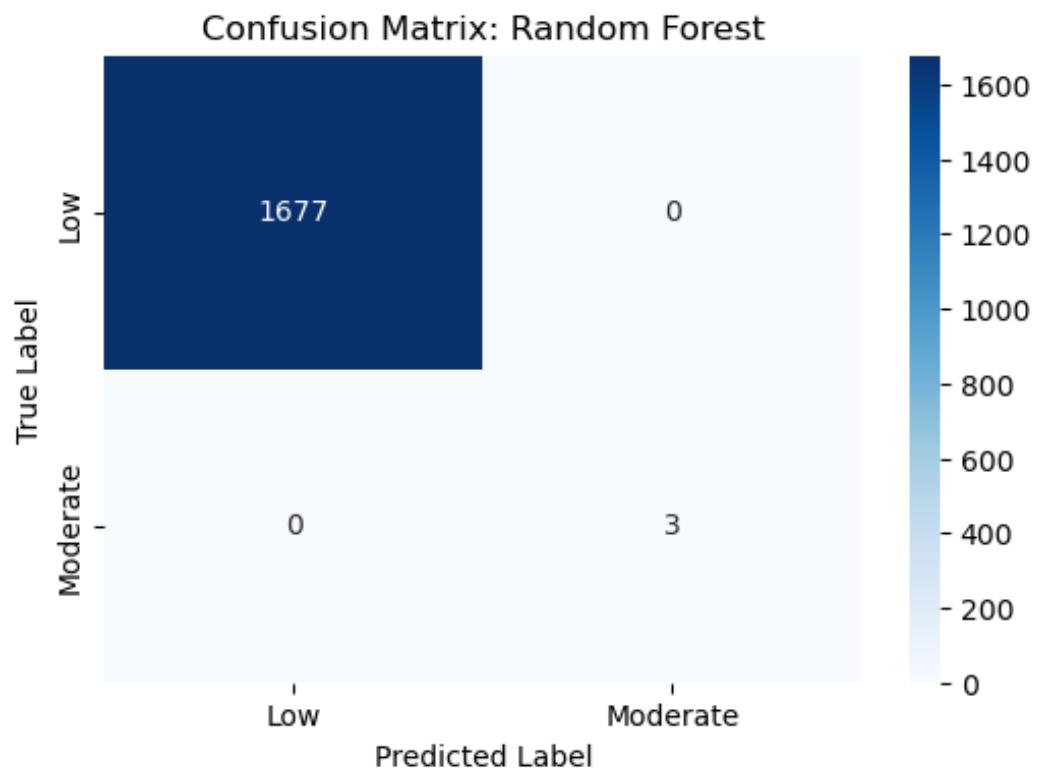
Output 21



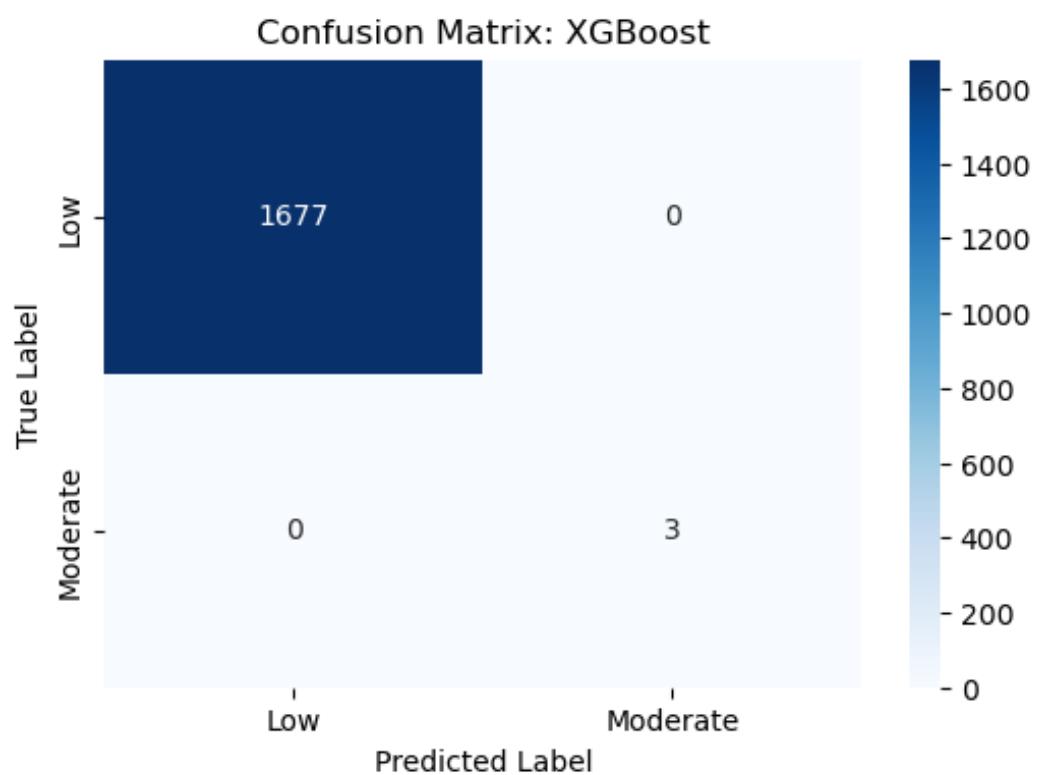
Output 22



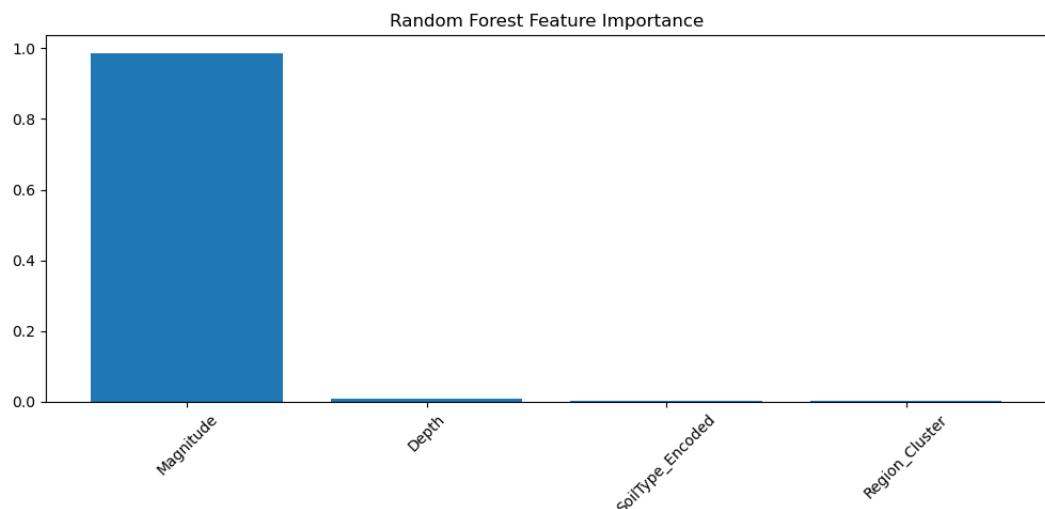
Output 23



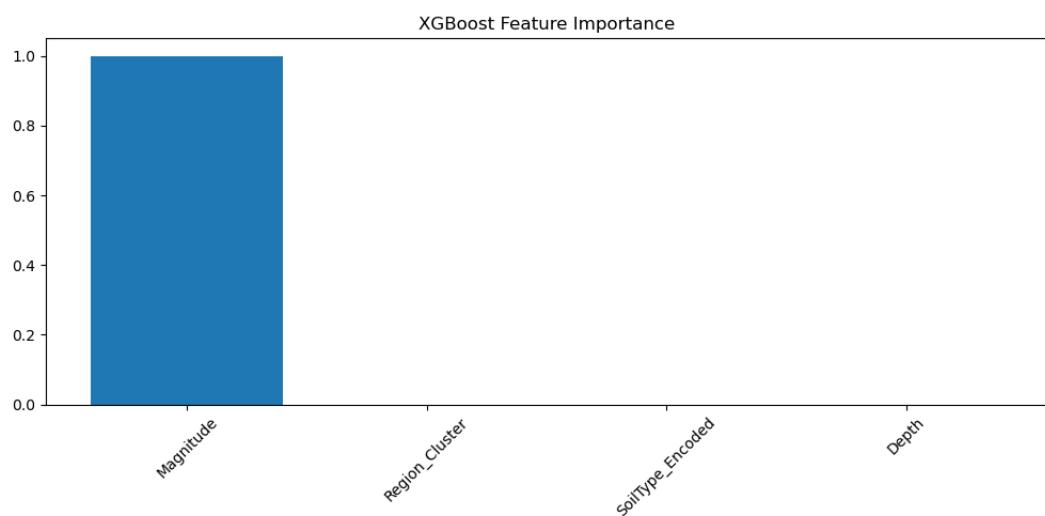
Output 24



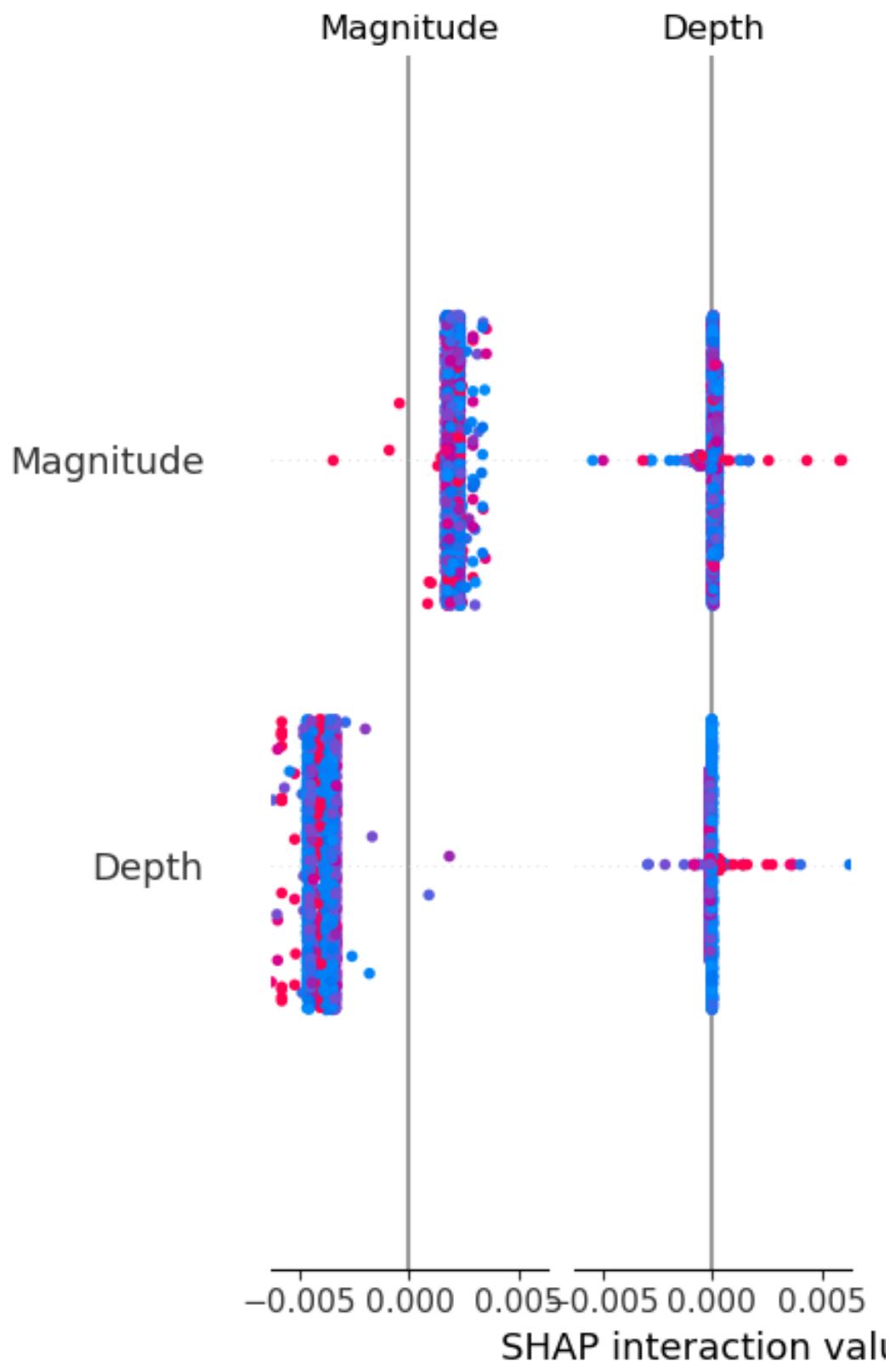
Output 25



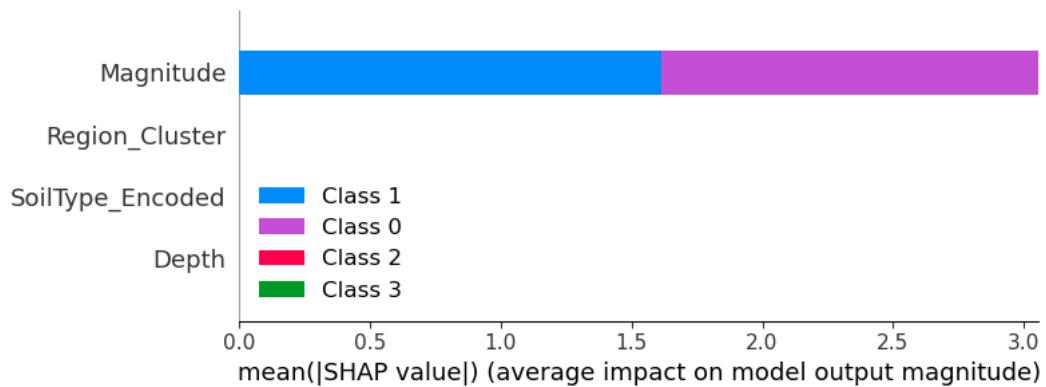
Output 26



Output 27



Output 28



Gradio UI output

Earthquake Damage Prediction App

Interactive prediction results based on ML model

Input Parameters

<input type="text"/> Magnitude:	5.8
<input type="text"/> Depth (km):	12
<input type="text"/> Soil Type (Encoded):	2
<input type="text"/> Region Cluster:	3

Predict

Outputs

Predicted Damage Level: Moderate Damage

Low	Moderate	High
15%	65%	20%