

### Project Proposal Presentation: Rock Classification

1063710	陳亮融	group 1
1063723	涂義源	group 1
1063725	溫 穎	group 1 (Absent)

Criteria	Score (10)	Evaluated
What is your project about? Why is it important (Motivation/ Problem Statement) ?	2	2
How will you do it (Models/Techniques)? Ps. At least 2 MLs and 1 DL Ps. You don't need to specify DL technique in this project proposal but in the final presentation, you should also include the results from DL model	1	1
How do you evaluate your model? What is the plan for doing the experiments?	2	2
What do you expect to find? (Expected results)	1	1
Why are your findings important? Who is your target user?	1	1
Datasets + Data Management + Data Visualization + Data Description (How well do you know the data)	3	3

#### Comments:

Output: 7 types of rocks: 2000 samples (Basalt, Granite, Marble)

Processing: (Attention Map, Segmentation) to Find → RGB, Hue, Saturation, Gradient  
(transformer with DINO – Student Teacher) to get Attention Map