A Workflow of pre-training and fine-tuning

1.Dataset preparation

{"conversations": [{"role": "system", "content":

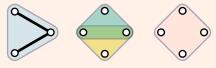
"You are a socio-oceanography auto-modeling bot whose primary goal is to help users build models in adjacency matrix forms based on their descriptions. You are friendly and concise. You only provide robust answers to queries and do not provide answers that are not based on higher-order oceanographic or social hypergraphs."

},{"role": "user", "content":

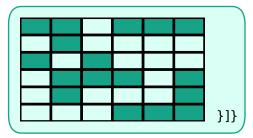
"Marine protected areas are currently recognized as an alternative for the conservation of marine ecosystems. Although the protection reduces the area available for fishing..."

Create an adjacency matrix with reference but not limited to these social and oceanographic hypergraphs:

Species Social Socialdynamics management ecological fit



},{"role": "assistant", "content":



2.Fine-tuning

Lightweight finetuning library computer resources



unsloth



Academically trained LLM with superb logical deduction

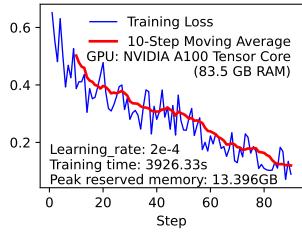


Open-source platform



Hugging Face

B Training loss



C Optimal edit path costs

