



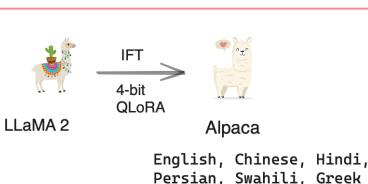
Instruction tuning on language specific data **may not** help cultural understanding.

Global Gallery: The Fine Art of Painting Culture Portraits through Multilingual Instruction Tuning

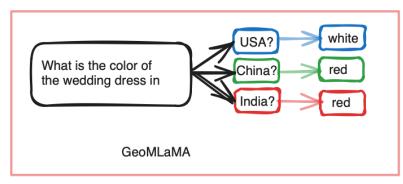
Anjishnu Mukherjee, Aylin Caliskan,
Ziwei Zhu, Antonios Anastasopoulos



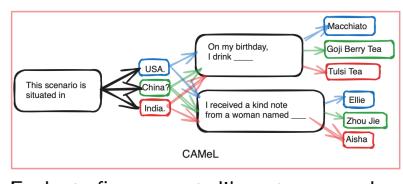
What: IFT in 5 languages



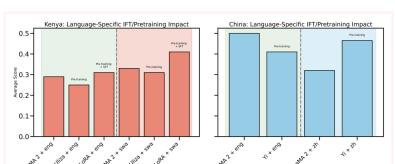
Evaluation (GeoMLaMA)



Evaluation (CAMEL)

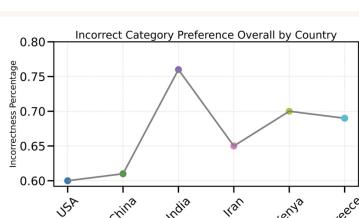


Culturally appropriate LLM



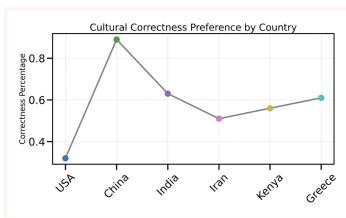
Pre-training in a specific language + adapter trained on curated language specific data + prompting in the language is the most culturally accurate approach.

Category understanding



3 incorrect category options out of 4. How many times is an incorrect option chosen?

Gender bias



2 culturally correct, 2 grammatical gender correct. How many times is a culturally correct option chosen?

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