

# An Image Speaks a Thousand Words, But Can Everyone Listen?

## On Image Transcreation For Cultural Relevance

New Task

Simran Khanuja (and several fantastic collaborators)

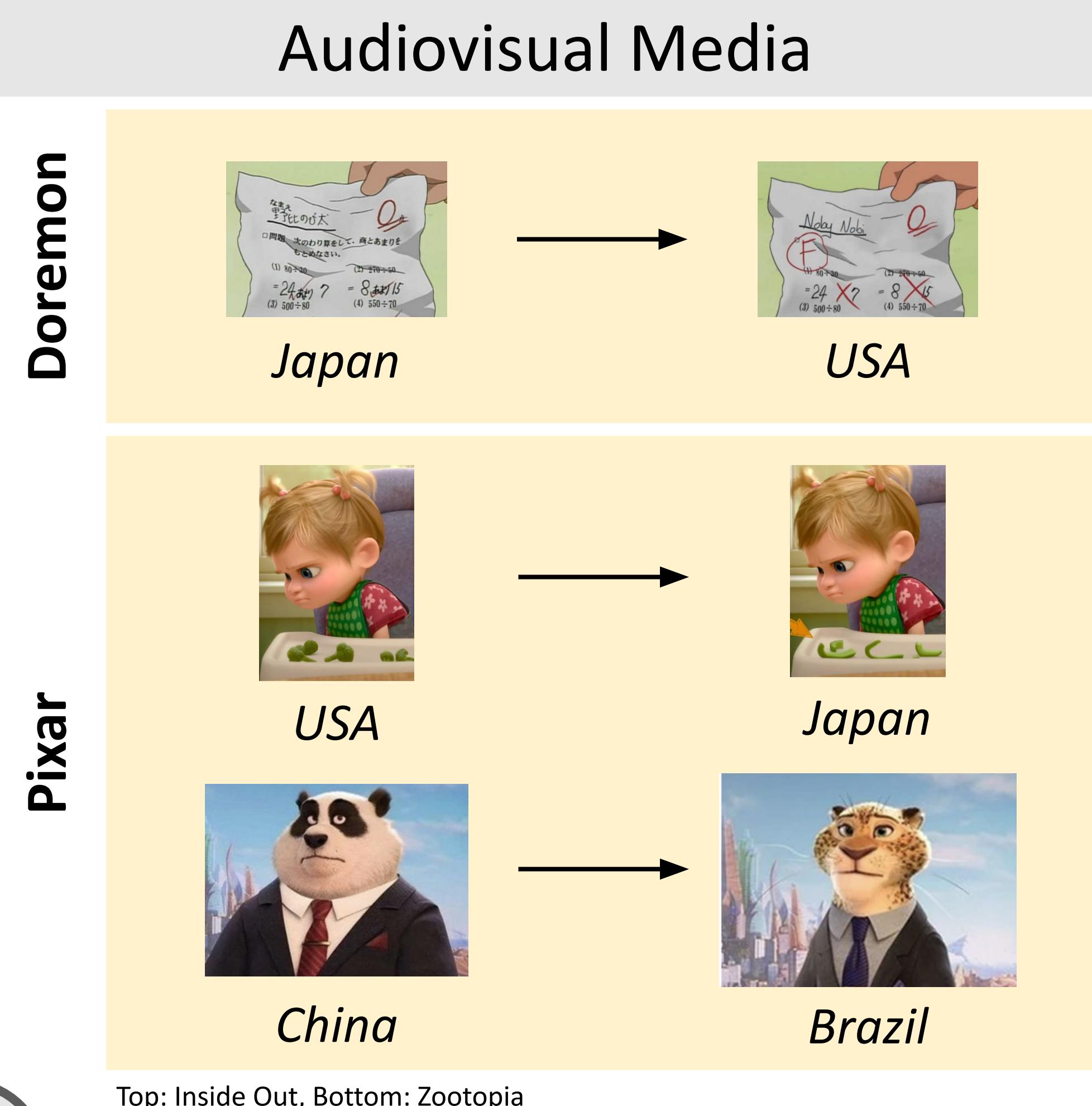
Carnegie Mellon University



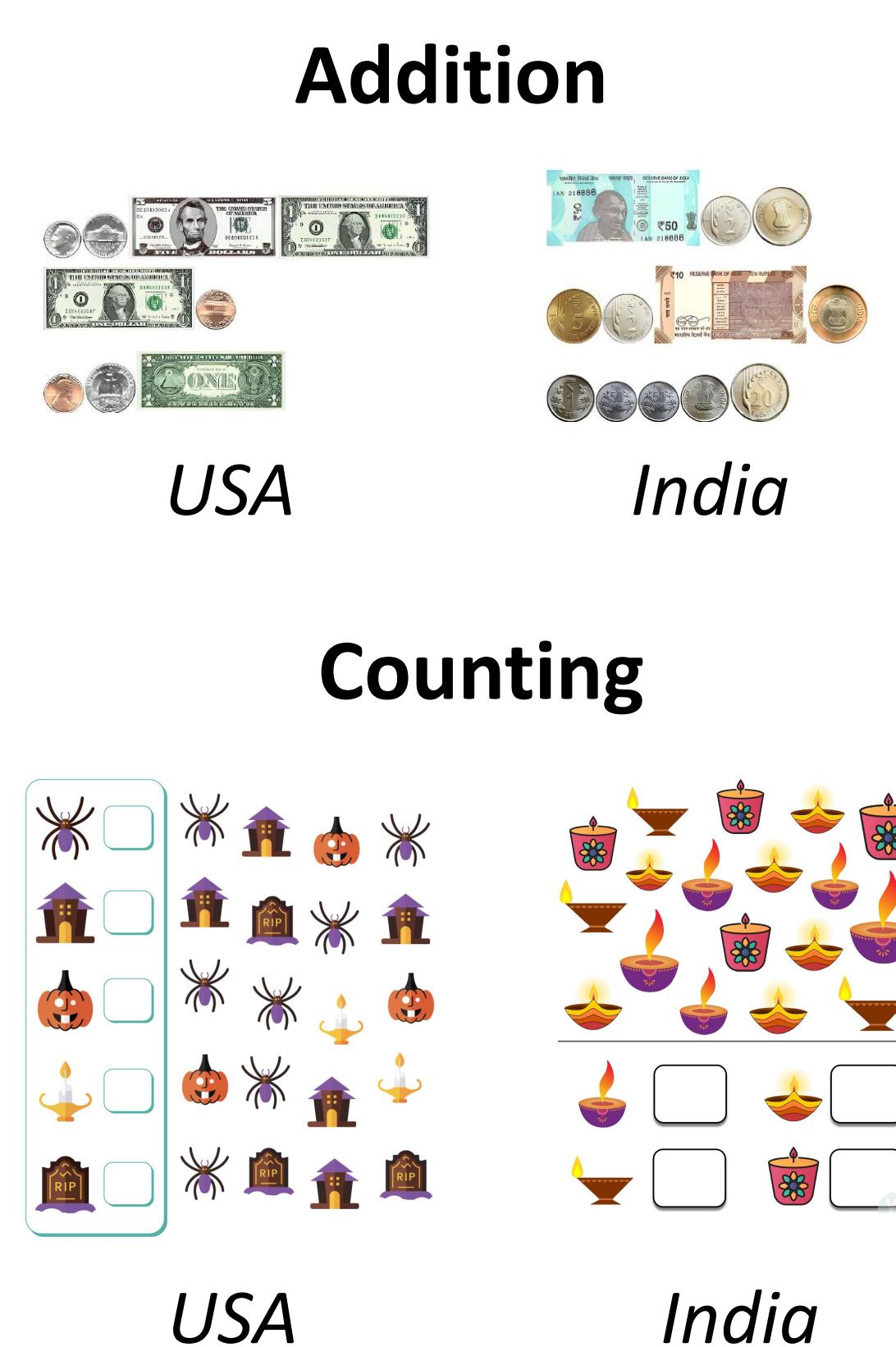
Translate images from one culture to another, a.k.a, **image transcreation**

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### Real-World Applications Need MT for the Visual World



### Education



### Advertisement



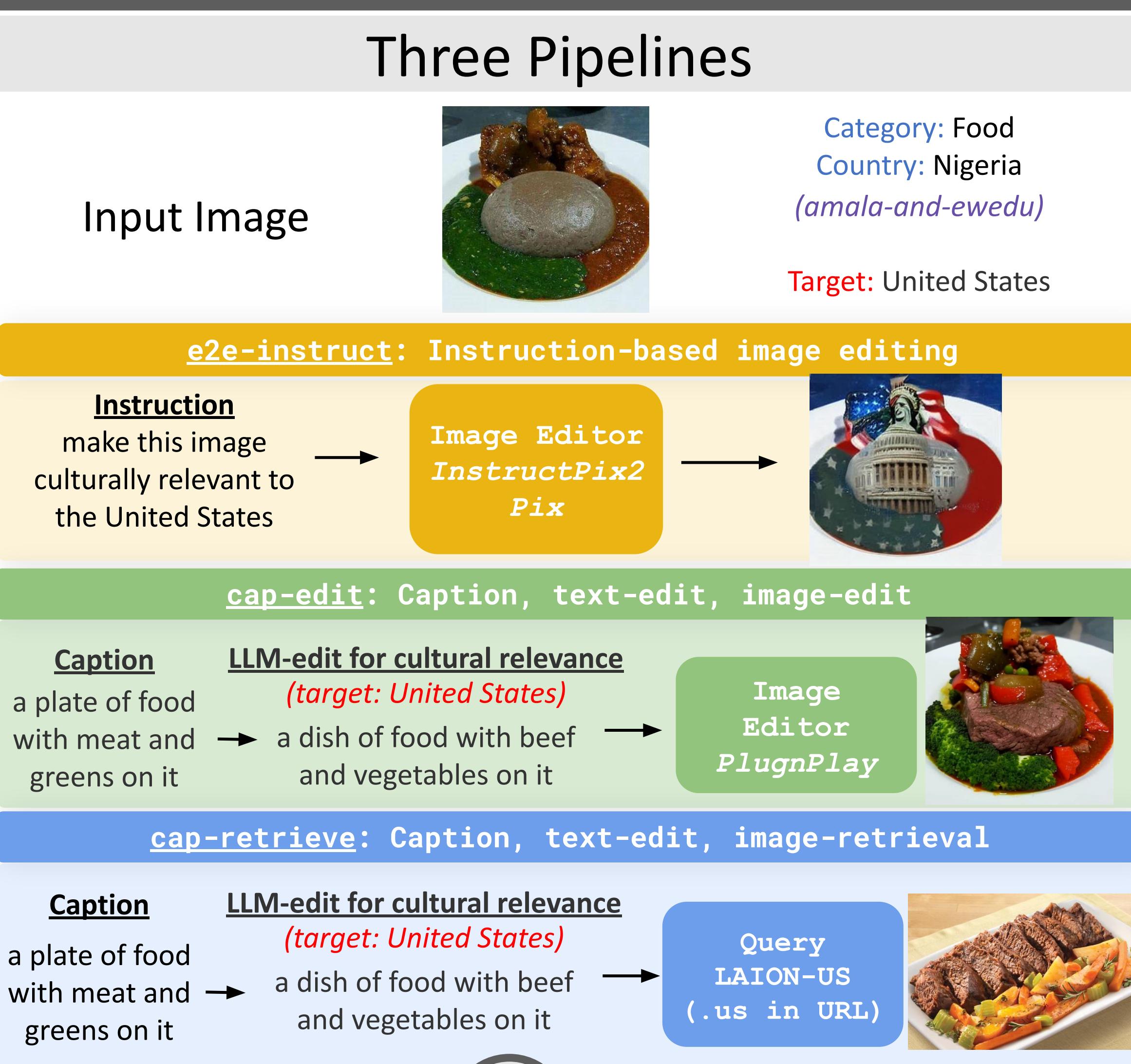
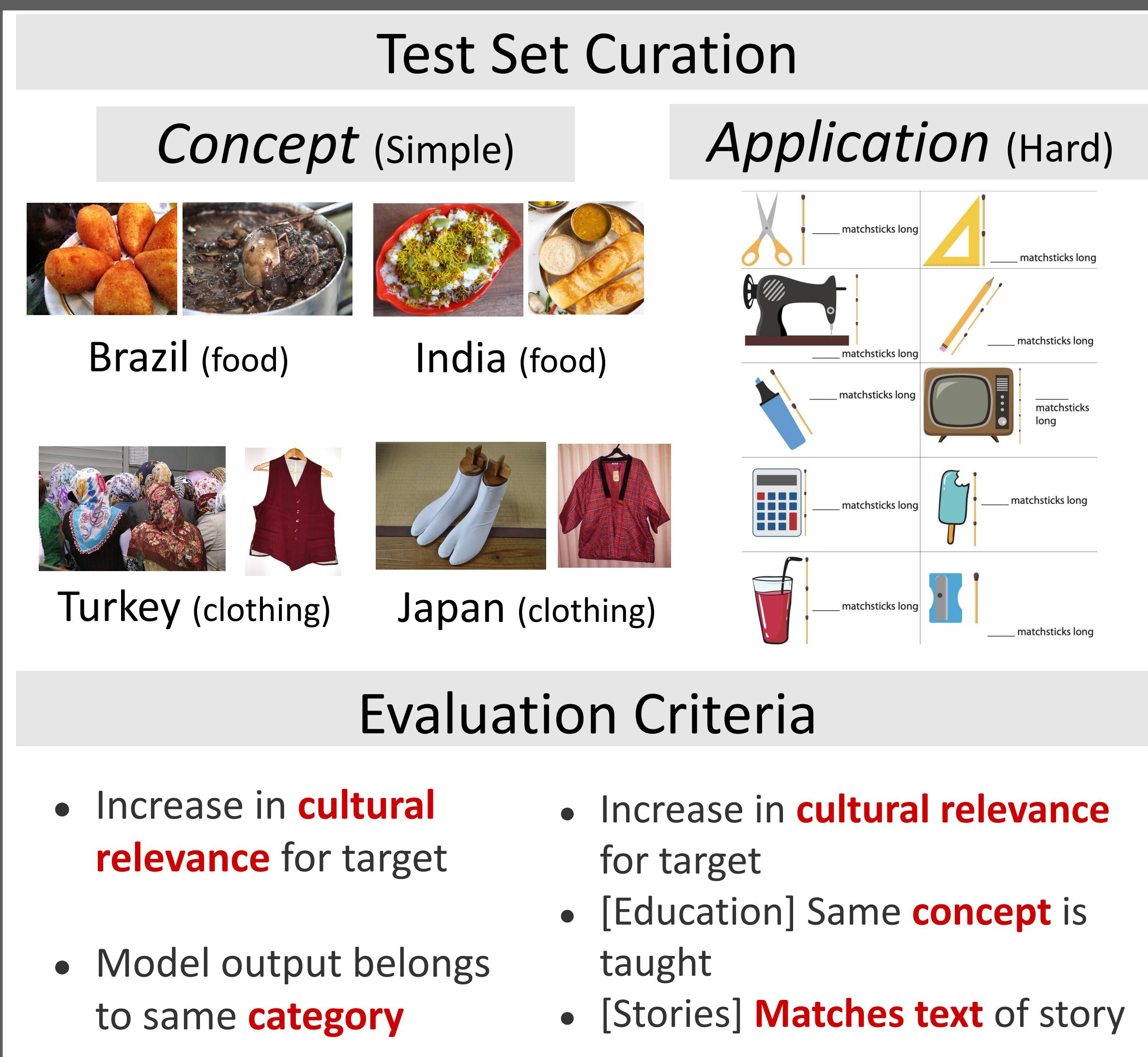
### Resources



Please reach out to [skhanuja@andrew.cmu.edu](mailto:skhanuja@andrew.cmu.edu) for further questions!

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### Operationalizing the Task for AI Researchers (EMNLP '24 Best Paper ★ )



### Challenges + Solutions

Lack of reliable **automatic evaluation** metrics 3

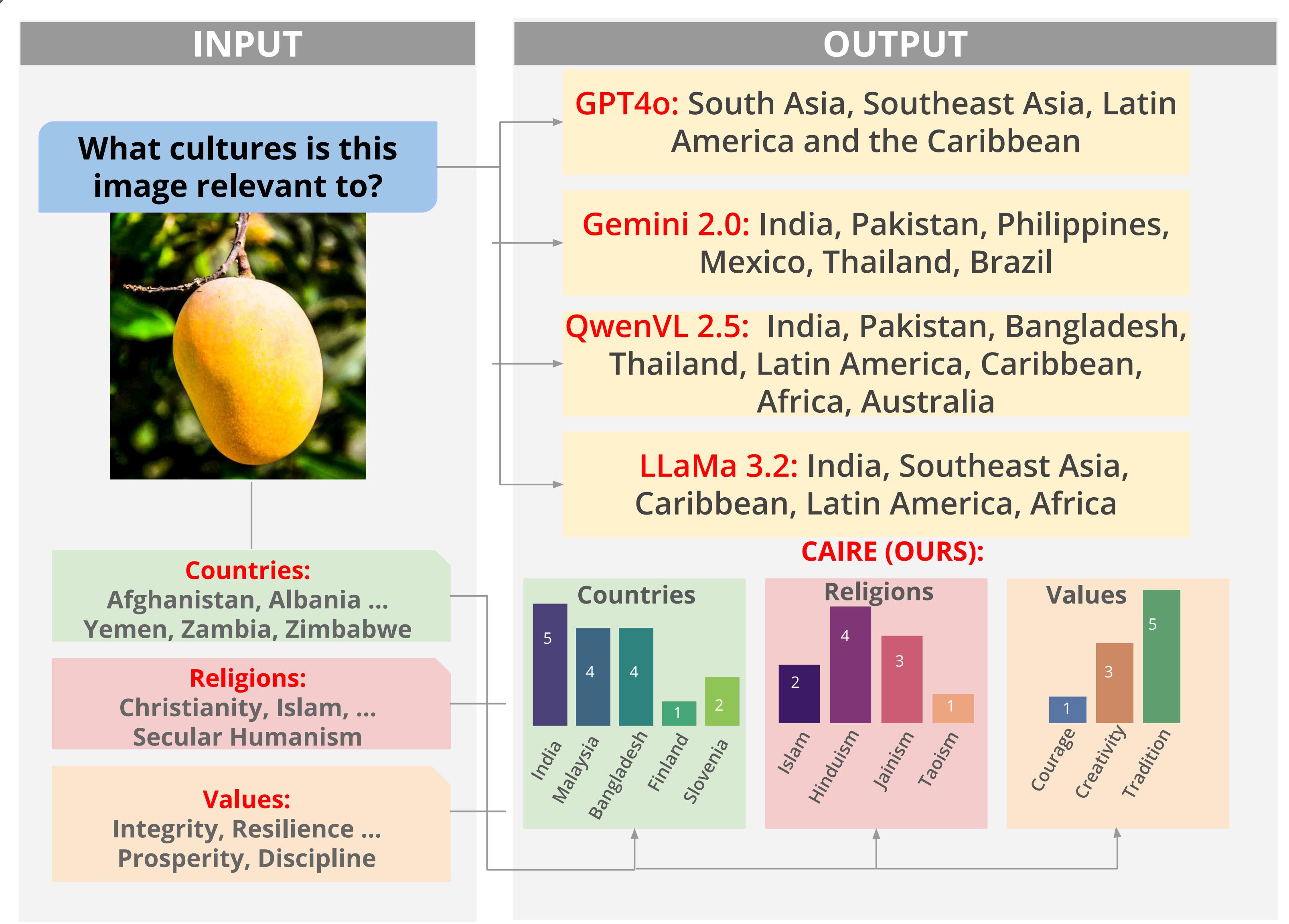
**Models [mis-/under-] represent** most cultures 3

**No ground truth** reference, subjective task 4

Applications have different desiderata, need **human-in-the-loop** 4

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### CAIRE: Evaluating Cultural Relevance of Images



### 4 HILITe: Human-AI Collaborative Platform for Editing

