



IGLUE: A Benchmark for Transfer Learning across Modalities, Tasks, and Languages

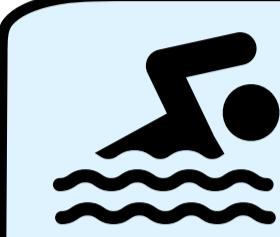
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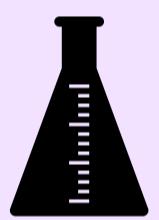
iglue-benchmark.github.io

IGLUE: Image-Grounded Language Understanding Evaluation

- 20 languages:** 11 language families, 9 scripts, 3/5 macro-areas
- 4 tasks** requiring different levels of V&L understanding
- 5 datasets**, both pre-existing and new ones!
- Zero-shot & Few-shot learning setups**
- Datasets and training setups for fast development**



Multilingual Vision-and-Language Tasks

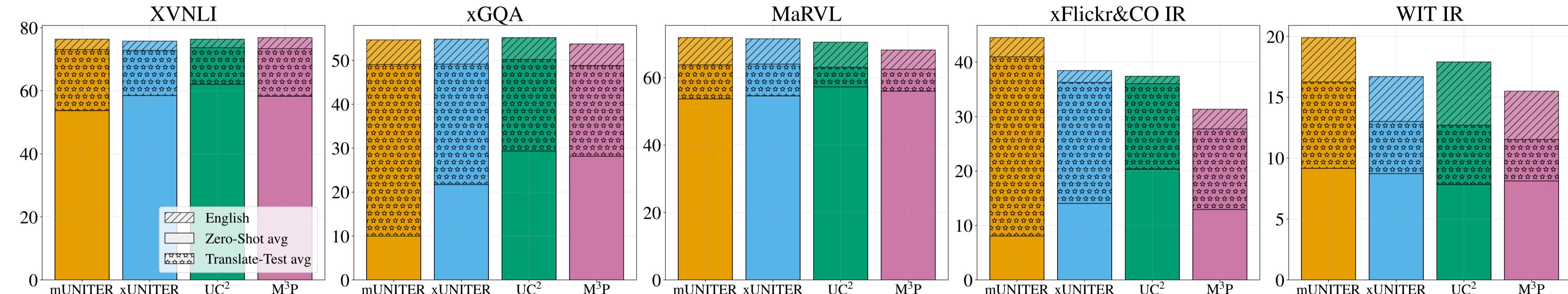


Experimental Setup

- Baselines:** Implement the four available models in VOLTA
- Fine-Tuning** on split
- Zero-Shot transfer** to target language
- Translate-Test transfer** in English (via MT)
- Few-Shot learning** in target language



Zero-Shot Learning Results



Take-Away

- Diverse tasks:** languages and possible answers
- Large drop in Zero-Shot** cross-lingual transfer
- Translate-Test » Zero-Shot**
- Consistent but moderate gains in Few-Shot learning**

Code, data and models available at

github.com/e-bug/iglue



Few-Shot Learning Results

