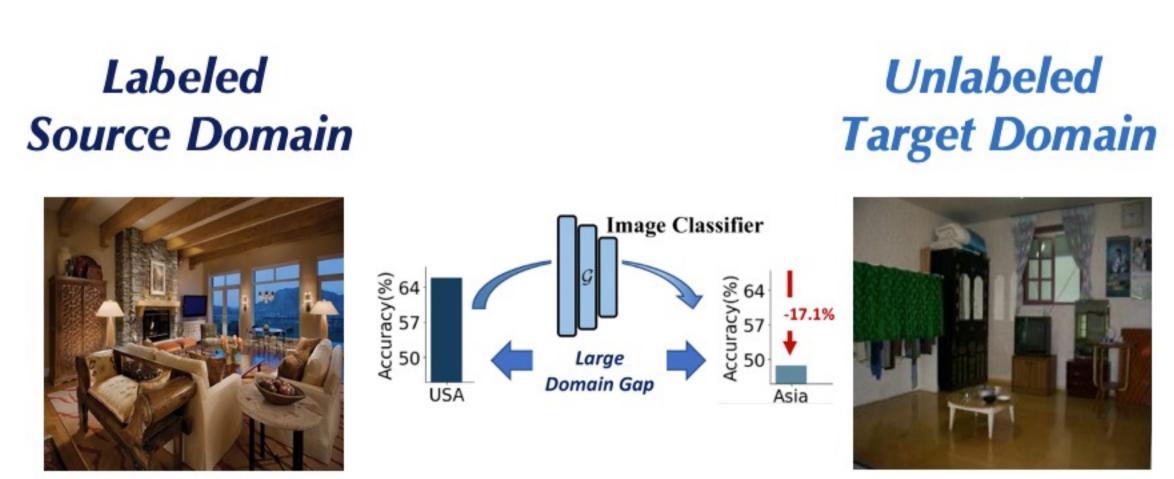


Lesser Domain Shifts in Text Modality

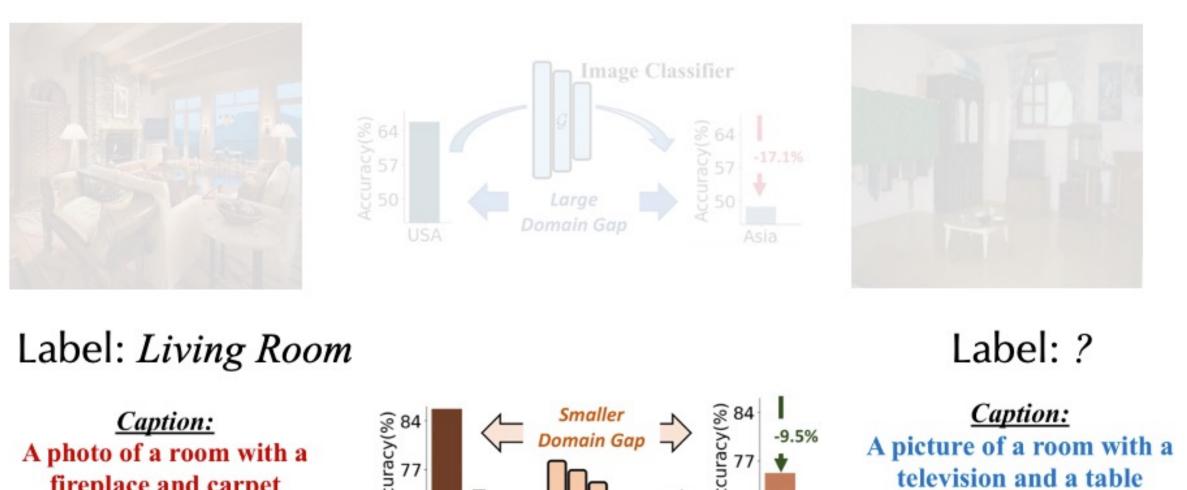
Unsupervised domain adaptation in pixel space is often difficult for large shifts.



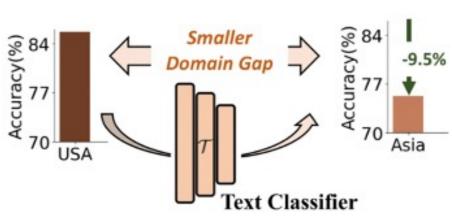
Label: Living Room

Label: ?

The corresponding text-captions, \bullet however, have much lesser crossdomain drops with richer semantics.



A photo of a room with a fireplace and carpet Tags: #CozyNights, #SofaStyle, #ModernLiving, #HomeStyle



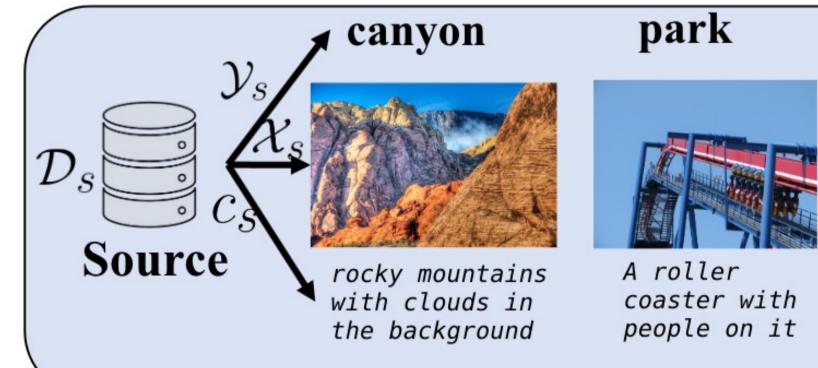
Tell, Don't Show!: Language Guidance Eases Transfer **Across Domains in Images and Videos**

Bodhisattwa Prasad Majumder Manmohan Chandraker

<u>Got only few seconds? Here's a tldr!</u>

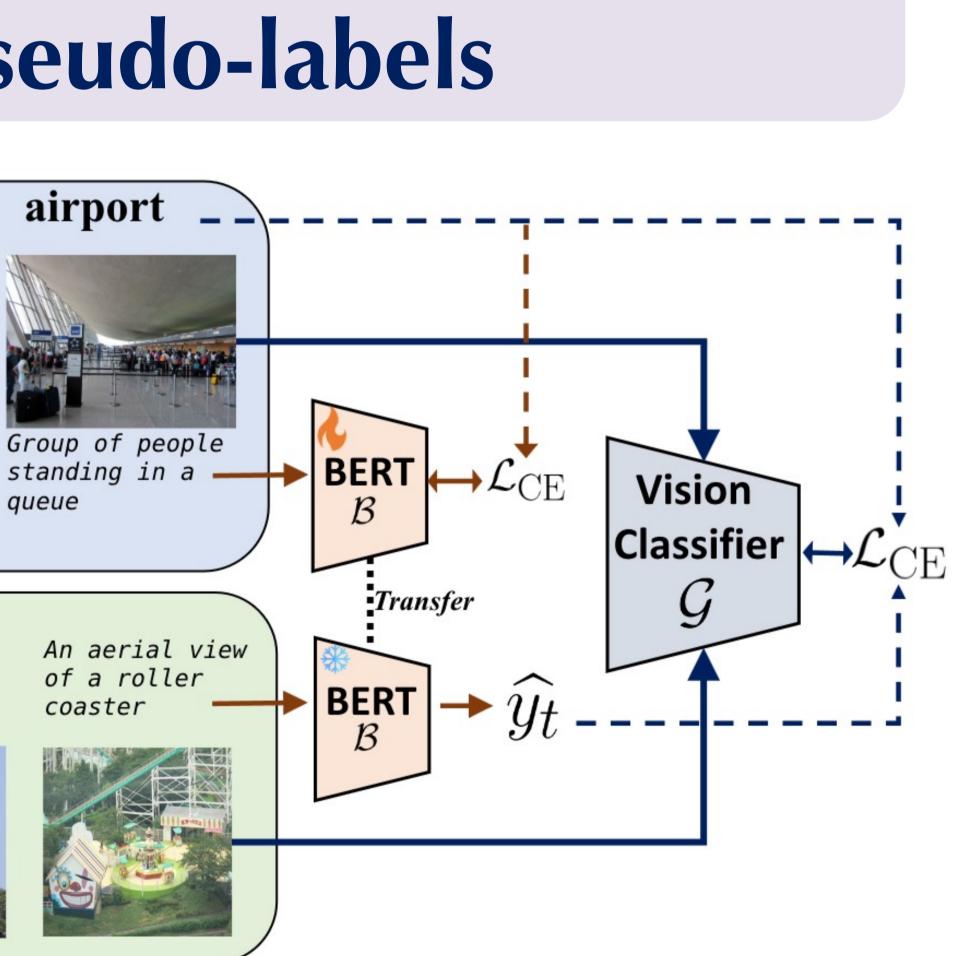
When faced with significant distribution shift in images and videos, train a robust text classifier using the captions instead, and distill its predictions into the vision classifier.

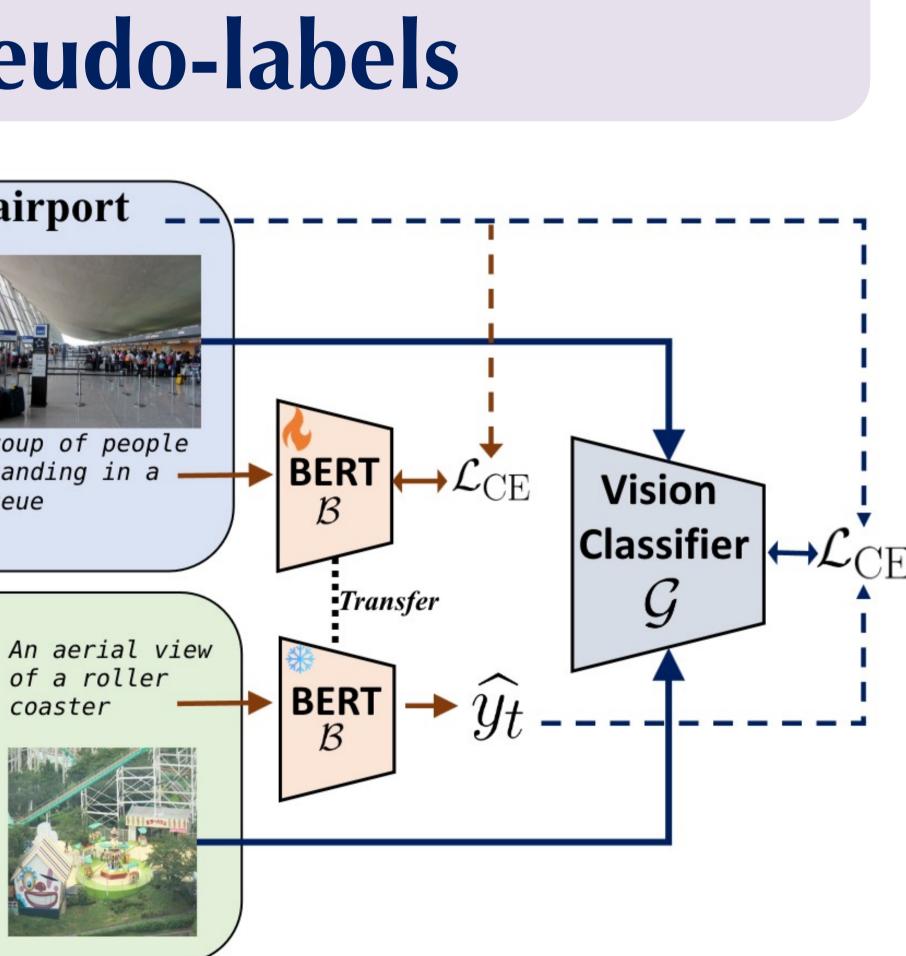
Visual Supervision Using Language Guided Pseudo-labels

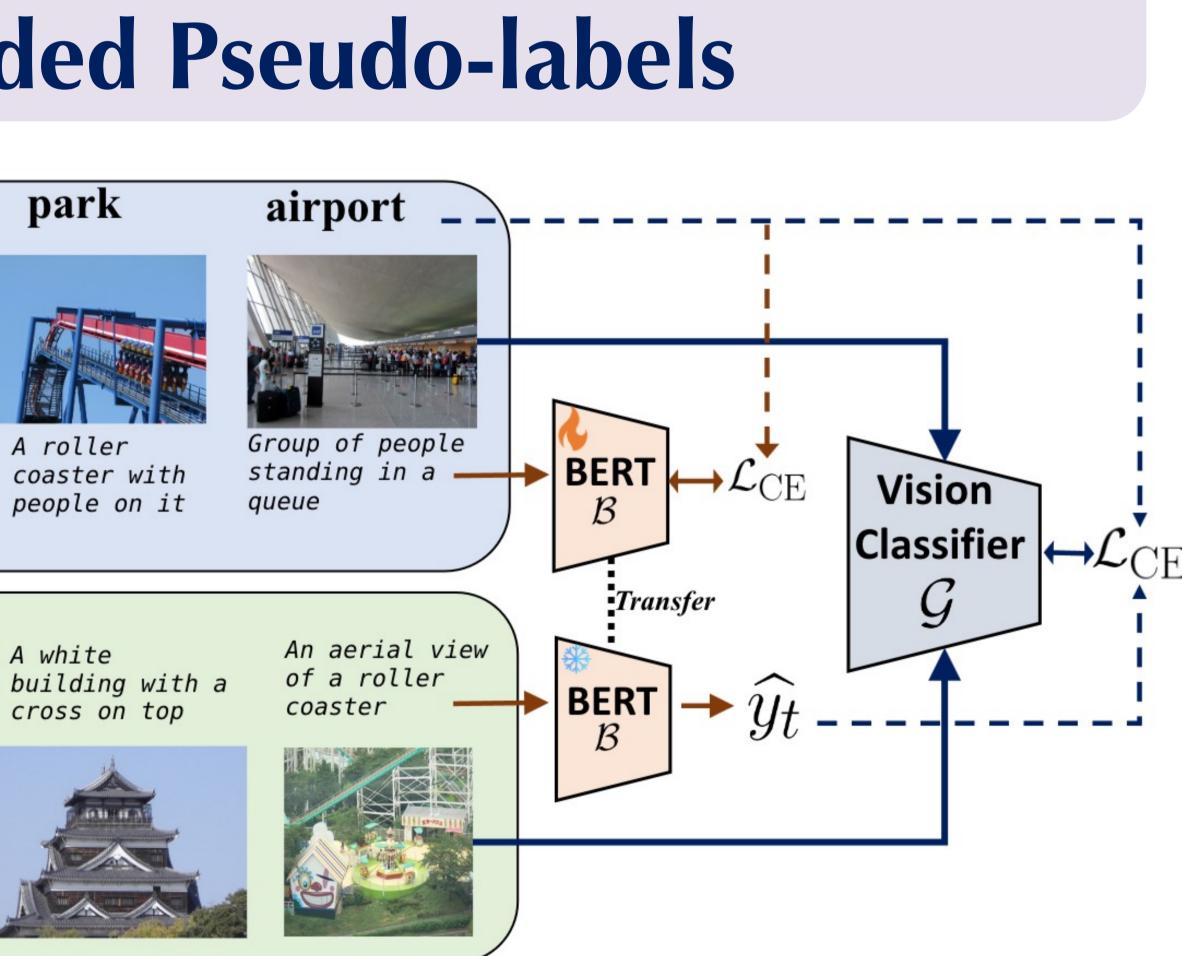


A close-up

noto of a







We improve transfer by:

Target

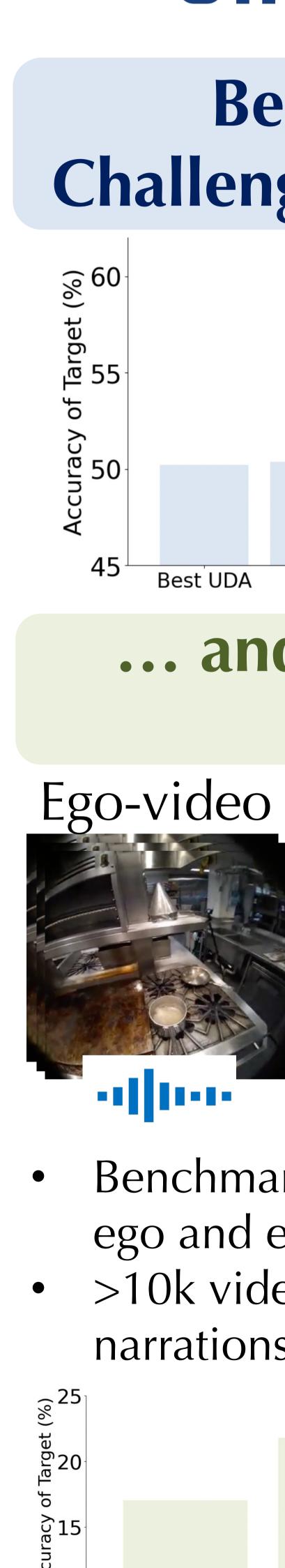
(no labels)

Training a text-classifier using the source domain captions.

<u>Tags:</u> # 이지리빙, **#2008**,

#大韓民國

- Predicting pseudo-labels for target domain captions.
- Using these pseudo-labels for supervised training target domain images.



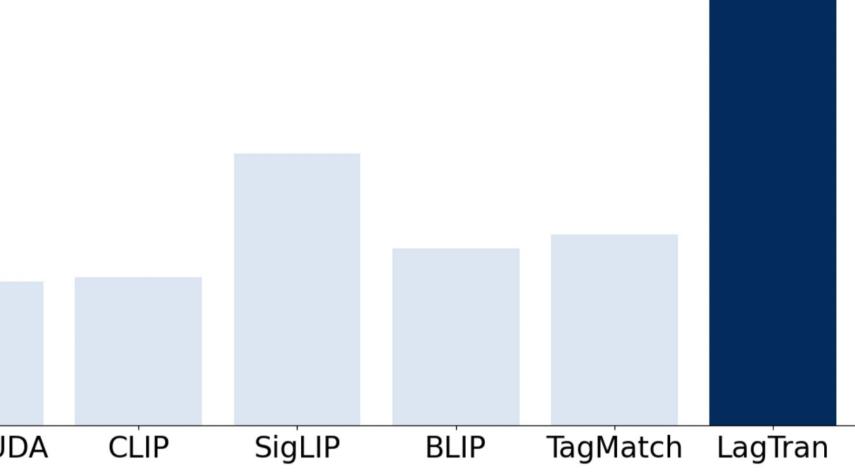
× 10



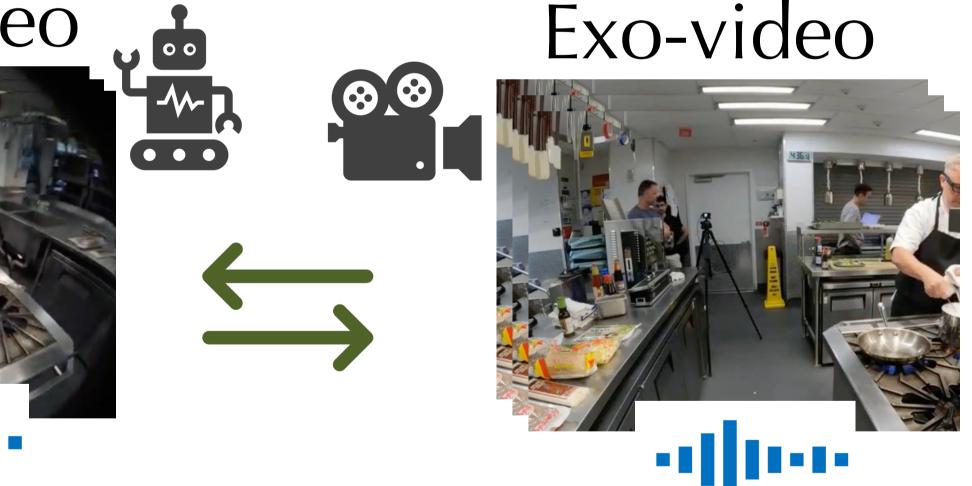




Best Accuracy on Challenging GeoNet Data...



... and a New Ego2Exo Benchmark



Benchmark to study transfer between ego and exo videos.

>10k videos, 24 labels, atomic narrations for all videos.

