Skipping the Paper
Detecting Unseen Visual Relations Using Analogies

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1 Summary

Author introduces a visual relationship detection that combines compositional and visual phrase representation, and the performance is boosted mostly for unseen triplet relationship. The visual representation that uses individual embeddings for subject object and predicate and by using visual phrase embeddings that represents relationship triplets. Also, they uses visual phrase embeddings from existing training triplets using analogies between relationships that involves similar objects. This technique of transferring embeddings provides the model superior results against unseen triplets of relationship. In HICO-DET dataset the model achieves improvements over a strong baseline for frequent and unseen triplets and in COCO-a and UnRel dataset, the performance was boosted in the retrieval of unseen triplets.