

# Action Genome: Actions as Composition of Spatio-temporal scene graphs.

## Summary

1. Propose to learn more structured representation of action in videos as graph.
2. The nodes in the graph are either a person or an object or a person-object relationship.
3. The relationship can be: attention (e.g. looking at), spatial (e.g. in front of), contact (e.g. carrying).
4. Propose a new dataset that annotates static scene with this type of graph.
5. Show that the graphical representation can help with action recognition, few-shot AR.