

## Action2vec: Action embeddings

- Action spaces are often specific for environments but have common characteristics
- Often action patterns are present e. g. brake and steer
- Models rely on natural language or have to be adapted to the simulated environment
- Embed actions for better generalization or adaptation of models to new environments

# Action2vec: Action embeddings

- Assumption: Actions depend on their action context in action sequences
- Learn embedding model based on “super”-action-space
- Train on action sequences
- Actions of new environments are either included in predefined actions or can be composed of them

