



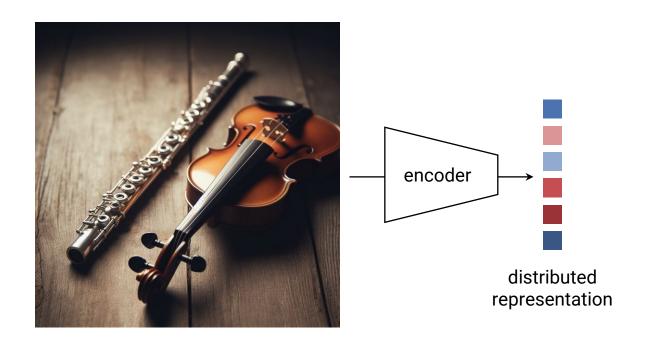




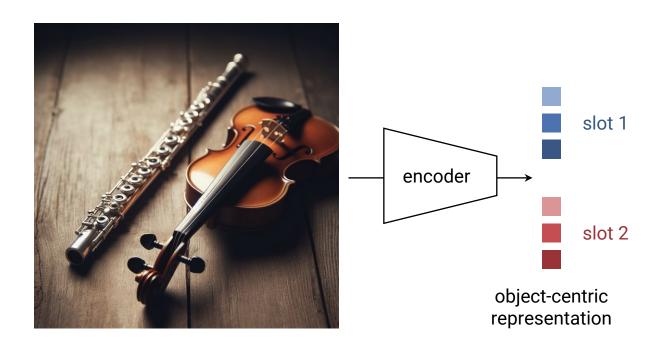
# Provable Compositional Generalization for Object-Centric Learning

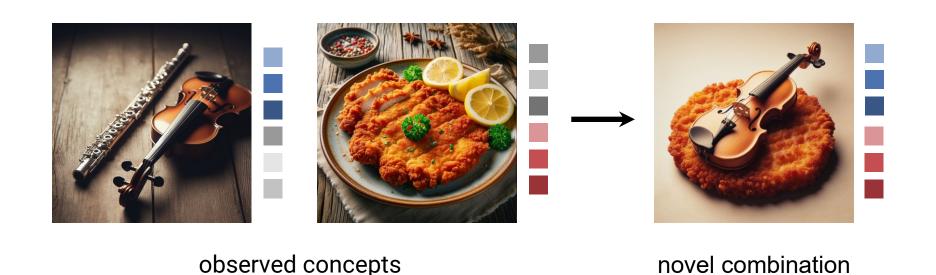
Thaddäus Wiedemer\*, Jack Brady\*, Alexander Panfilov\*, Attila Juhos\* Matthias Bethge, Wieland Brendel

#### Object-Centric Representations

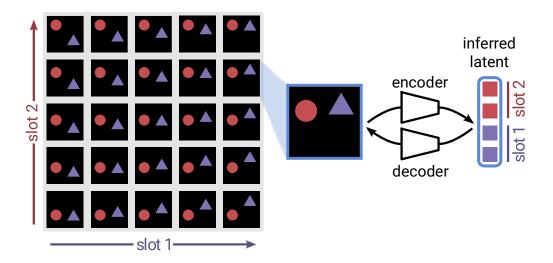


#### Object-Centric Representations

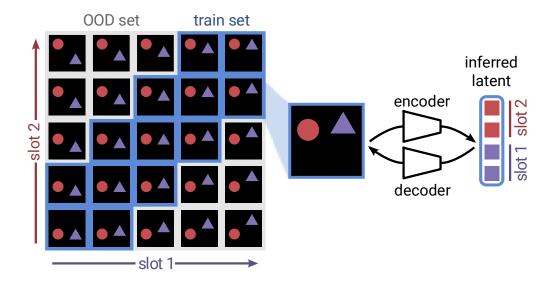




## Slot Identifiability

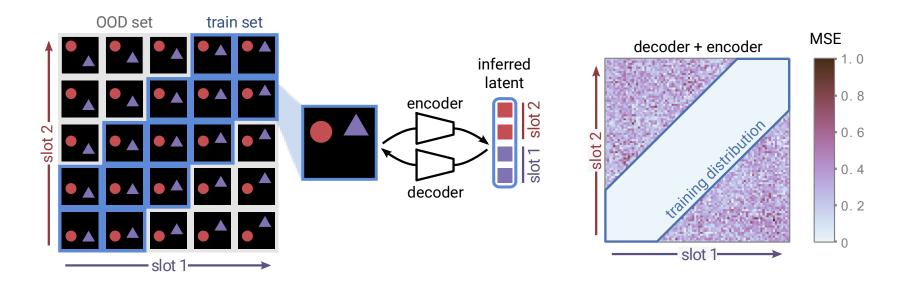


## Slot Identifiability

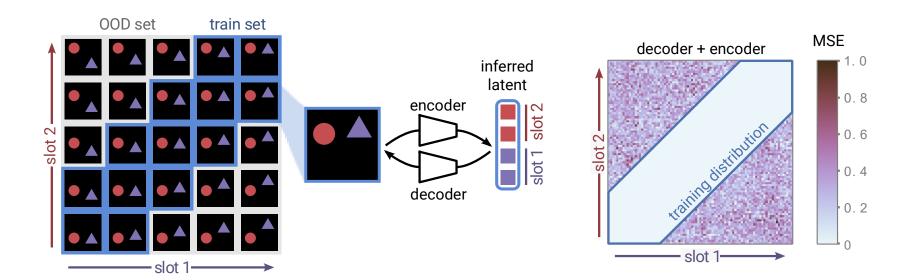


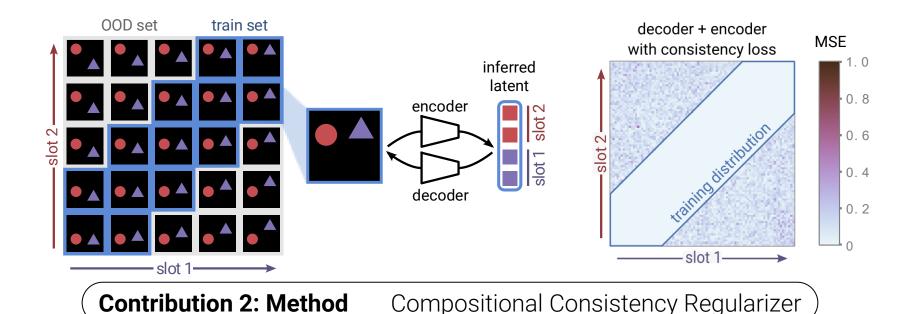
**Contribution 1: Theorem** Slot Identifiability on a Restricted Training Set

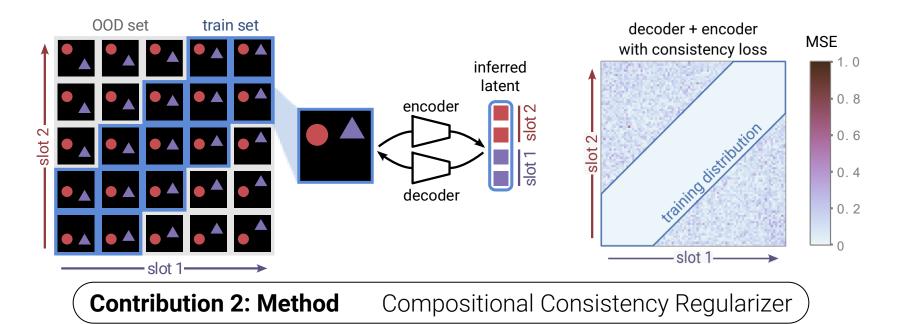
## Slot Identifiability



**Contribution 1: Theorem** Slot Identifiability on a Restricted Training Set







**Contribution 3: Theorem** Compositional Generalization