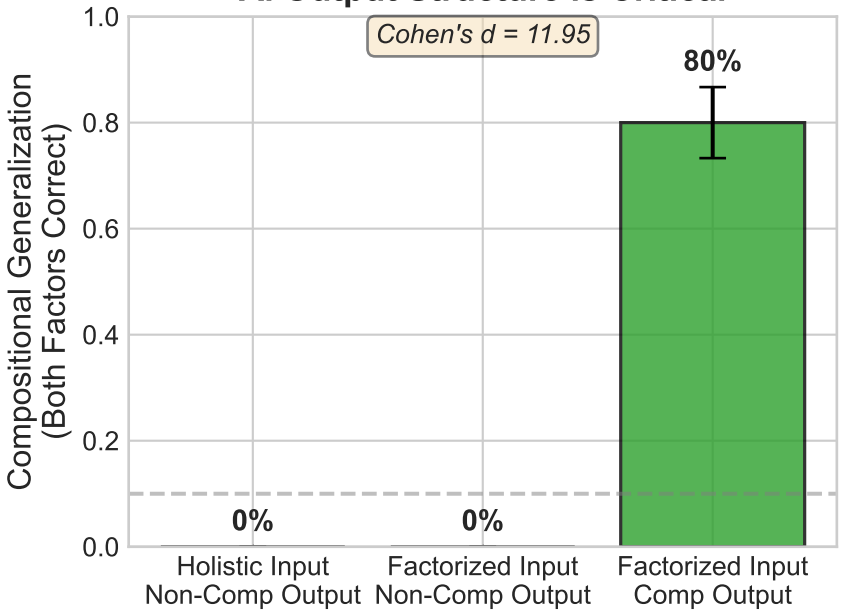

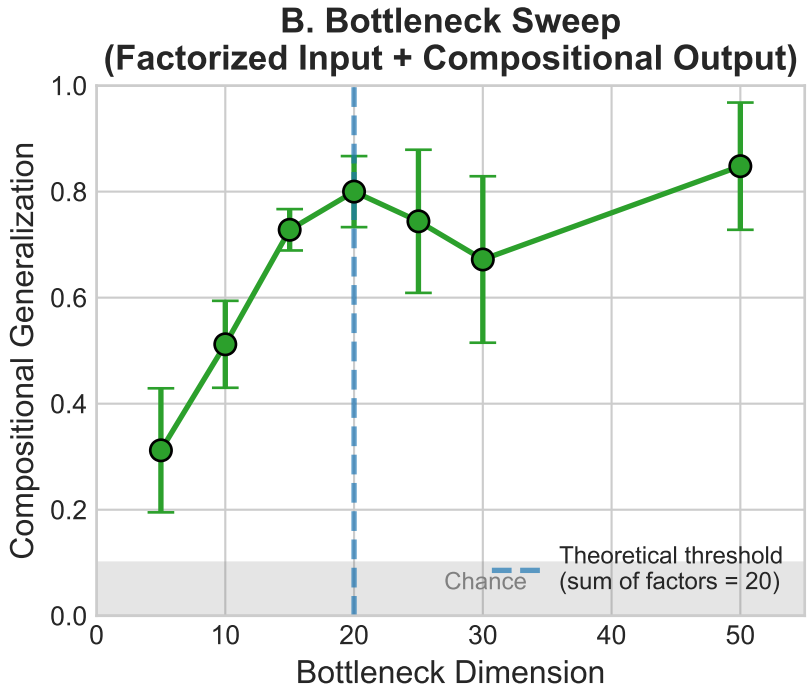

C. Summary

KEY FINDING

Compositional generalization requires compositional structure END-TO-END:

✗ Holistic input + Non-comp output → 0%
✗ Factorized input + Non-comp output → 0%
✓ Factorized input + Comp output → 80%

INTERPRETATION

Output structure acts as an INDUCTIVE BIAS that constrains the solution space.

Non-compositional output permits memorization; compositional output FORCES compositional solutions.

THEORETICAL IMPORT

Supports APH Section 9.2 with refinement: Conditions apply to ENTIRE pipeline, not just representation learning.

Reference: Lake & Baroni (2018), ICML