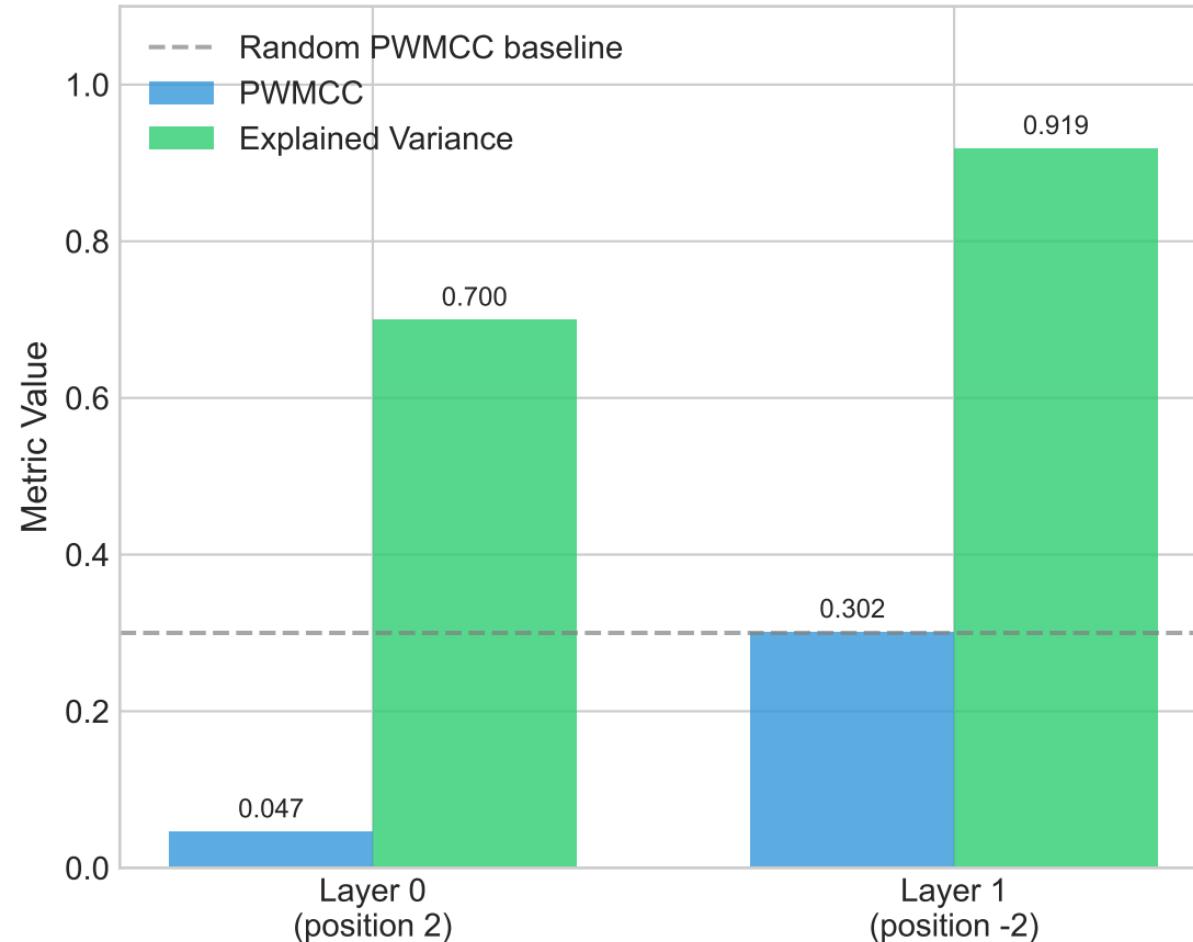


Layer-Dependent Stability



Interpretation

INTERPRETATION:

Layer 0 ($\text{PWMCC} = 0.047$, $\text{EV} = 0.70$):

- Features are nearly ORTHOGONAL across seeds
- Multiple equally-valid decompositions exist
- Good reconstruction, but different features

Layer 1 ($\text{PWMCC} = 0.302$, $\text{EV} = 0.92$):

- Features match random baseline
- No consistent feature learning
- Excellent reconstruction

IMPLICATION:

SAEs learn to RECONSTRUCT well, but don't learn CONSISTENT features across seeds.