



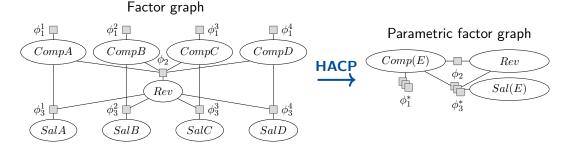


Compression versus Accuracy: A Hierarchy of Lifted Models

Jan Speller¹, Malte Luttermann^{2,3}, Marcel Gehrke³ and Tanya Braun¹,

¹Data Science Group, University of Münster, Germany
²German Research Center for Artificial Intelligence (DFKI), Lübeck, Germany
³Institute for Humanities-Centered Artificial Intelligence, University of Hamburg, Germany

Compression versus Accuracy: A Hierarchy of Lifted Models



- ▶ Introduction of 1DEED as a practical tool for ε -equivalence $(\phi_3^1 =_\varepsilon \phi_3^2 \longrightarrow \phi_3^*)$
 - **Consistency of** ε -equivalent groupings
 - ▶ Hierarchical trade-off between compression $(\varepsilon \nearrow)$ and accuracy $(\varepsilon \searrow)$
- ightharpoonup Enables preanalysis of guaranteed theoretical error bounds $(p_{\max \Delta})$
- ► Novel framework for hierarchical lifting