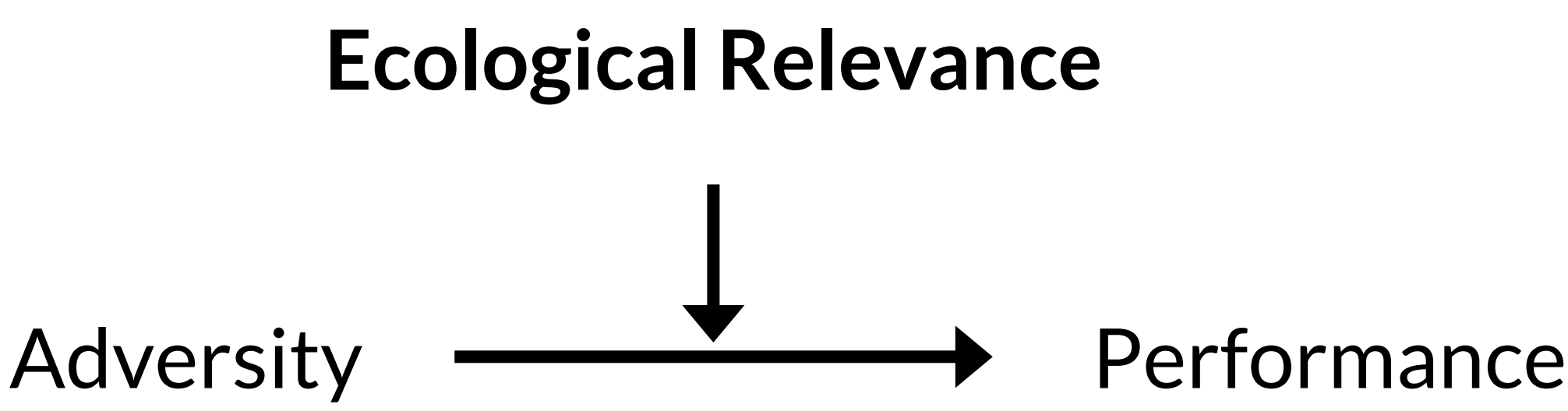


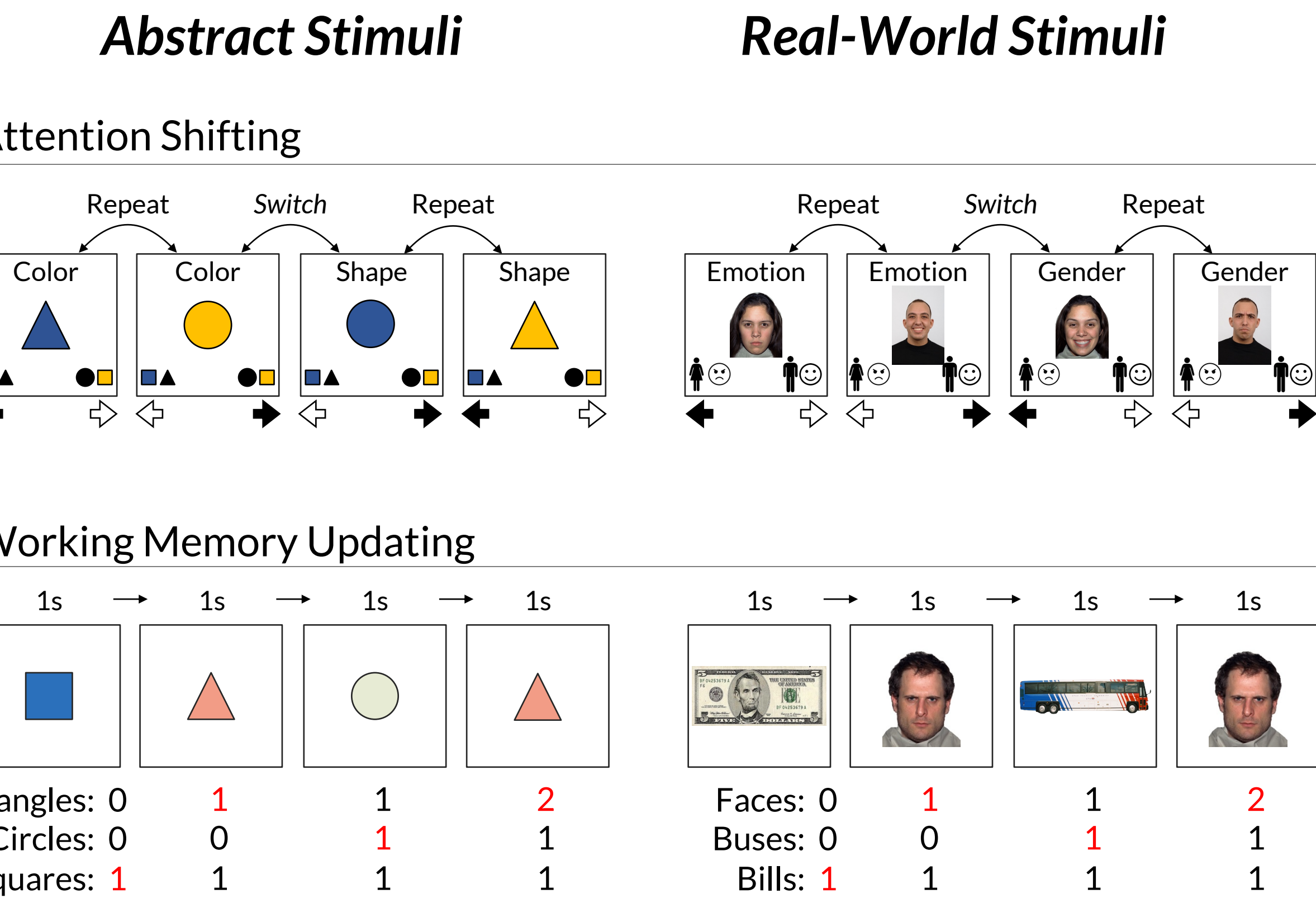
Hidden Talents in Context:
Abstract vs ecological test stimuli
among adversity-exposed youth

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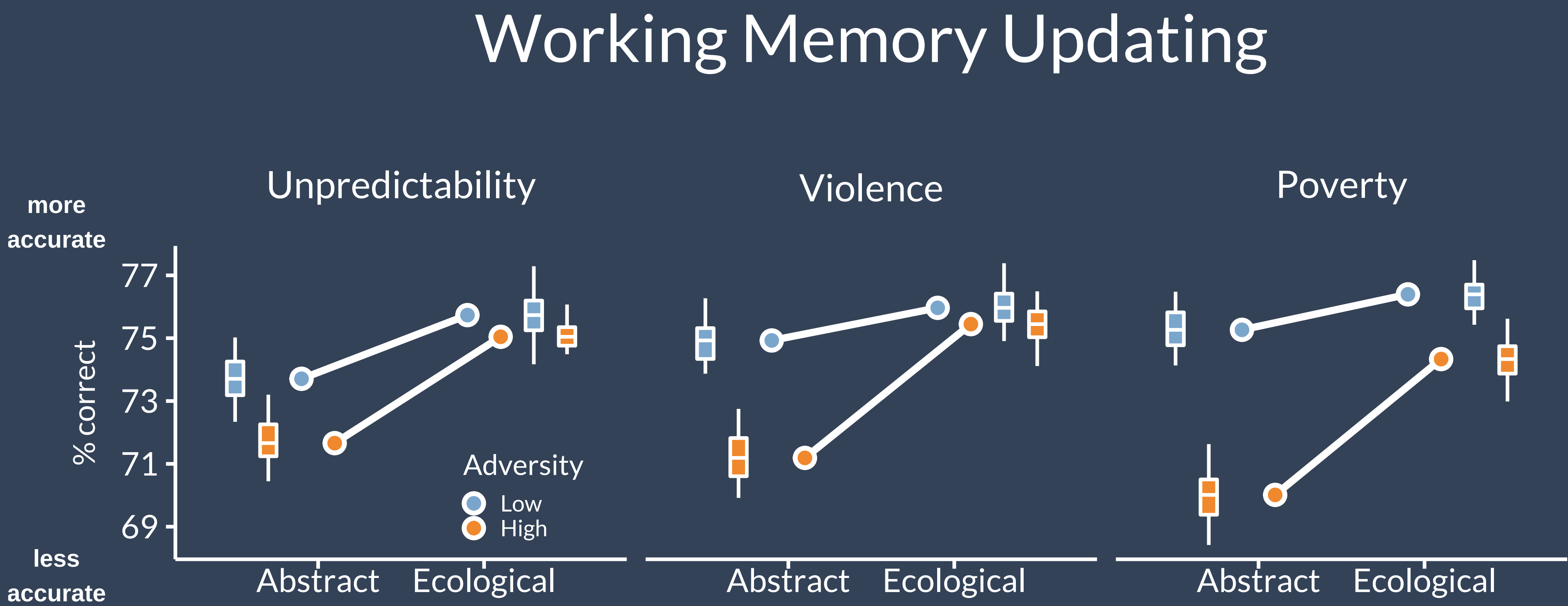
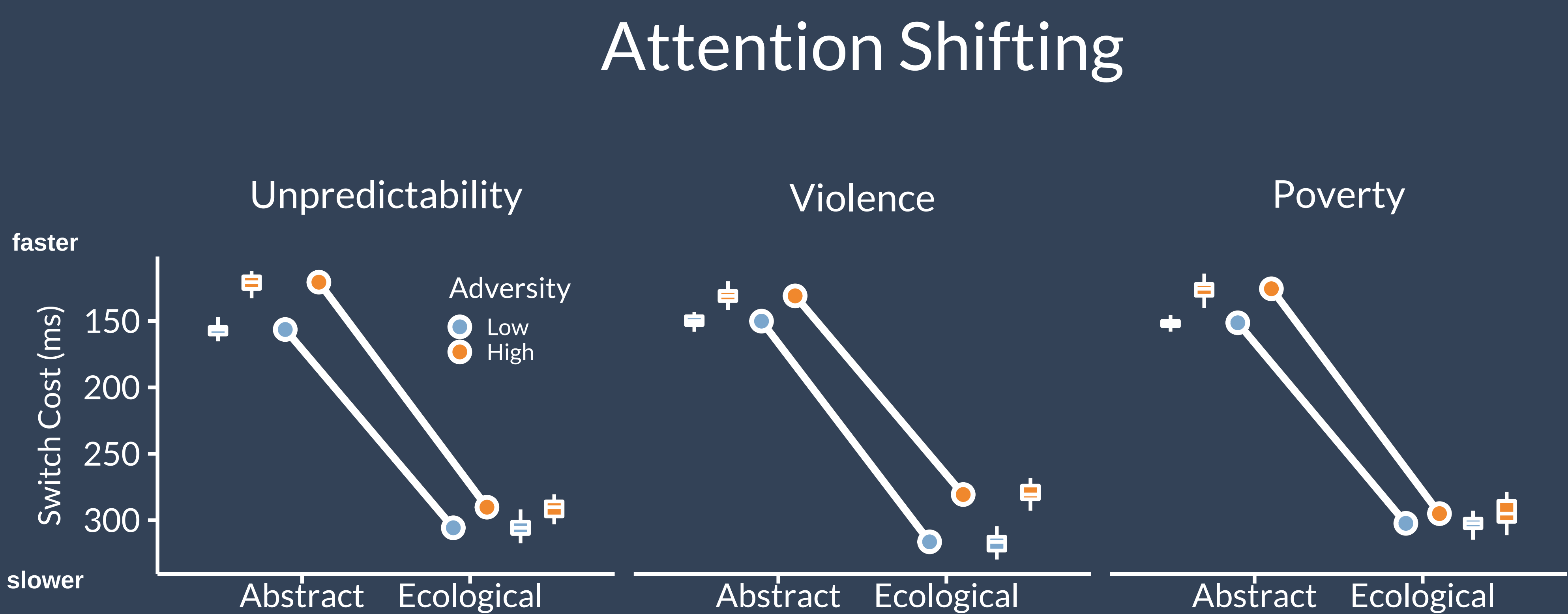
- BACKGROUND:
- Youth exposed to adversity tend to score lower on cognitive tests
 - But adversity-exposed youth develop strengths that are relevant to their lives.
 - We examined how adversity-exposed youth perform on tests with real world content.



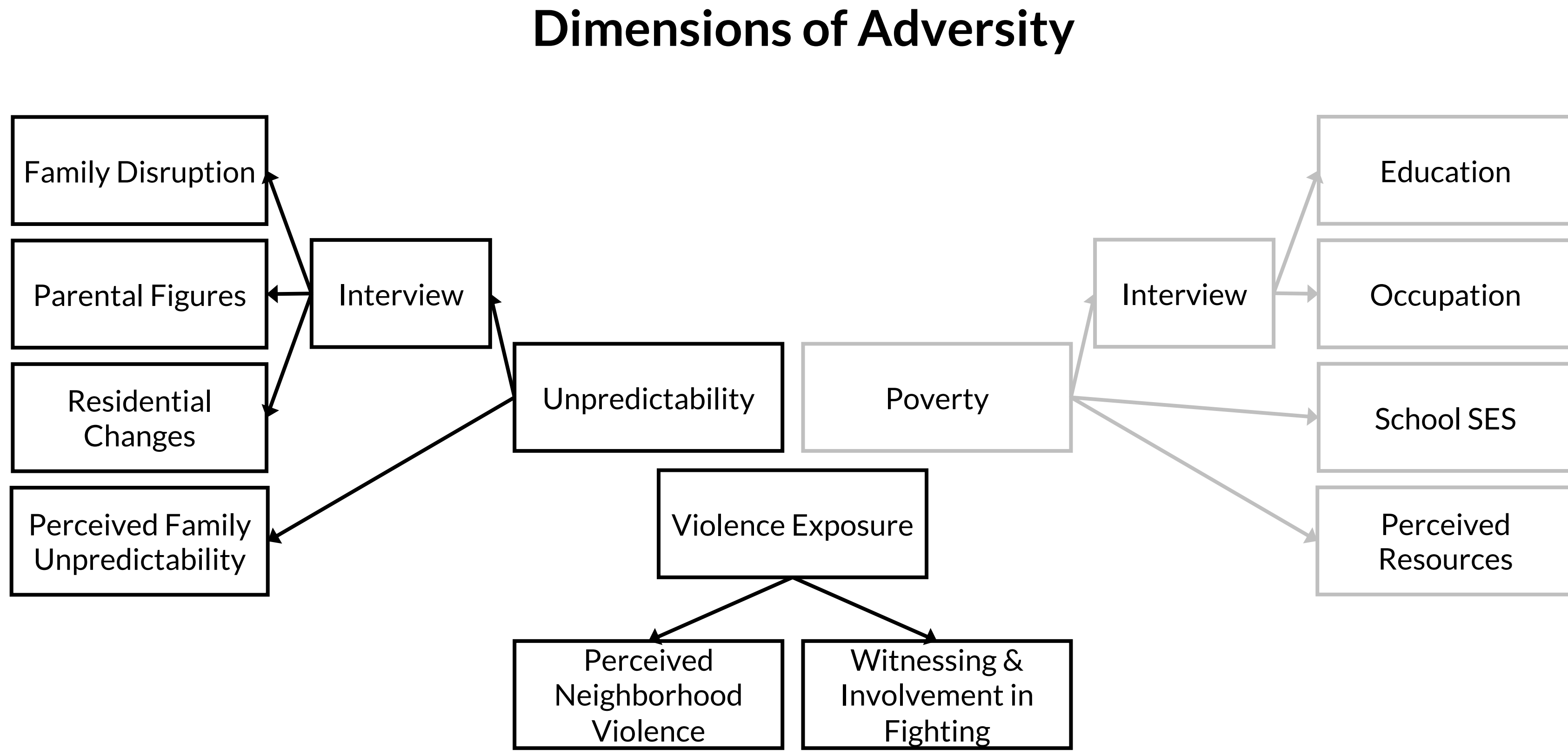
- METHODS
- We sampled 618 middle school-aged youth (48% female, 65% White) in Salt Lake City, Utah, USA
 - Using interviews, surveys, and school records, we measured exposure to environmental unpredictability, violence, and poverty
 - We then tested youth on two versions of an attention and working memory task.
 - We then tested the interactive effect of task content and adversity exposure



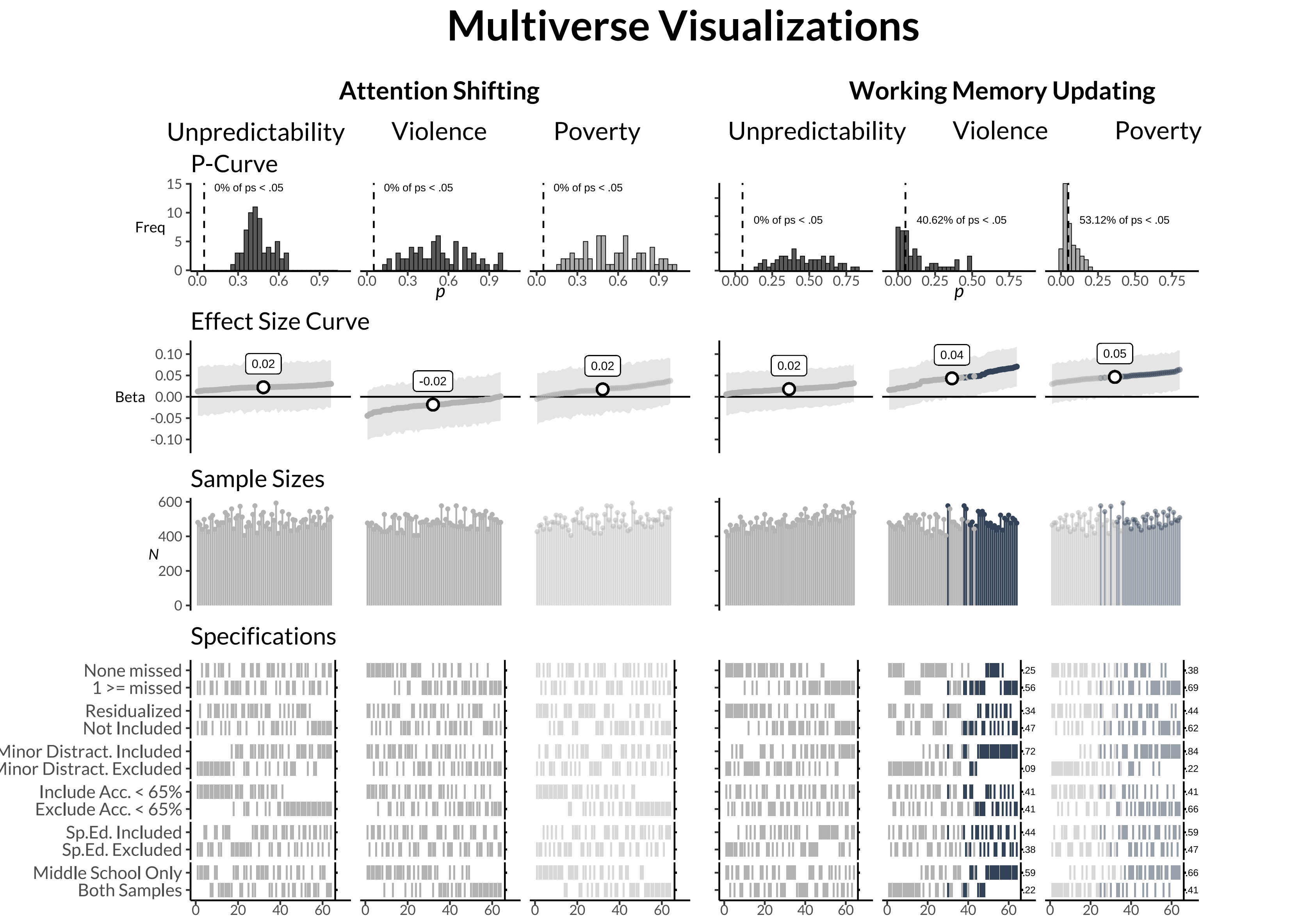
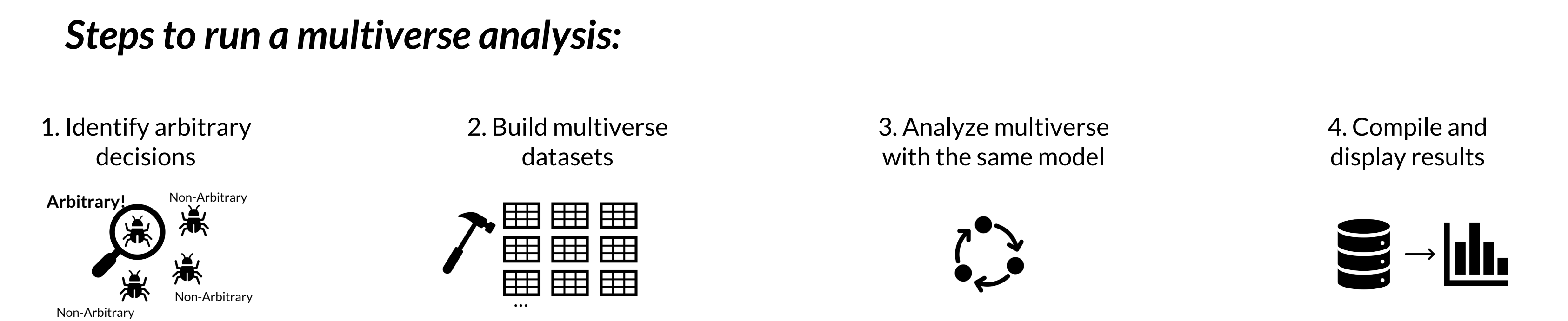
There were no interactions between test content and adversity for attention shifting.



However, violence- and poverty-exposed youth scored *almost as well as their peers with real-world content* on working memory updating.



- Multiverse Analysis
- We systematically evaluated the robustness (or sensitivity) of analyses across all *arbitrary data processing decisions*
 - We identified six arbitrary data processing decisions each with 2 alternatives



P-curves = percent of interaction effects where $p < .05$; Effect Size Curve = interaction B-coefficients from smallest to largest; Sample Sizes = N for each multiverse dataset; Specifications = grid indicating the data processing decisions associated with each effect. Proportions of each arbitrary decision with p-values $< .05$ are indicated on the right side of each specification grid. Blank proportions indicate proportions = 0. Blue lines and points reflect individual multiverse effect sizes with p-values $< .05$.

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