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### Problem

- Imagine your favorite team will win the championship
- Imagine you get diagnosed with a terminal illness
- How happy will you be in both cases?
- Your predictions will likely be imprecise
- Are predictions more accurate if one has had the respective experience before?
- L.A. Paul (2014) suggests that decision makers have unique problems with cognitively modelling (mentally simulating) when facing transformative experiences
- An experience is transformative if one has never had this experience before (epistemically transformative) and if it changes one's core preferences (personally transformative) -e.g. becoming a parent for the first time
- This paper empirically challenges Paul's claim

## Methods

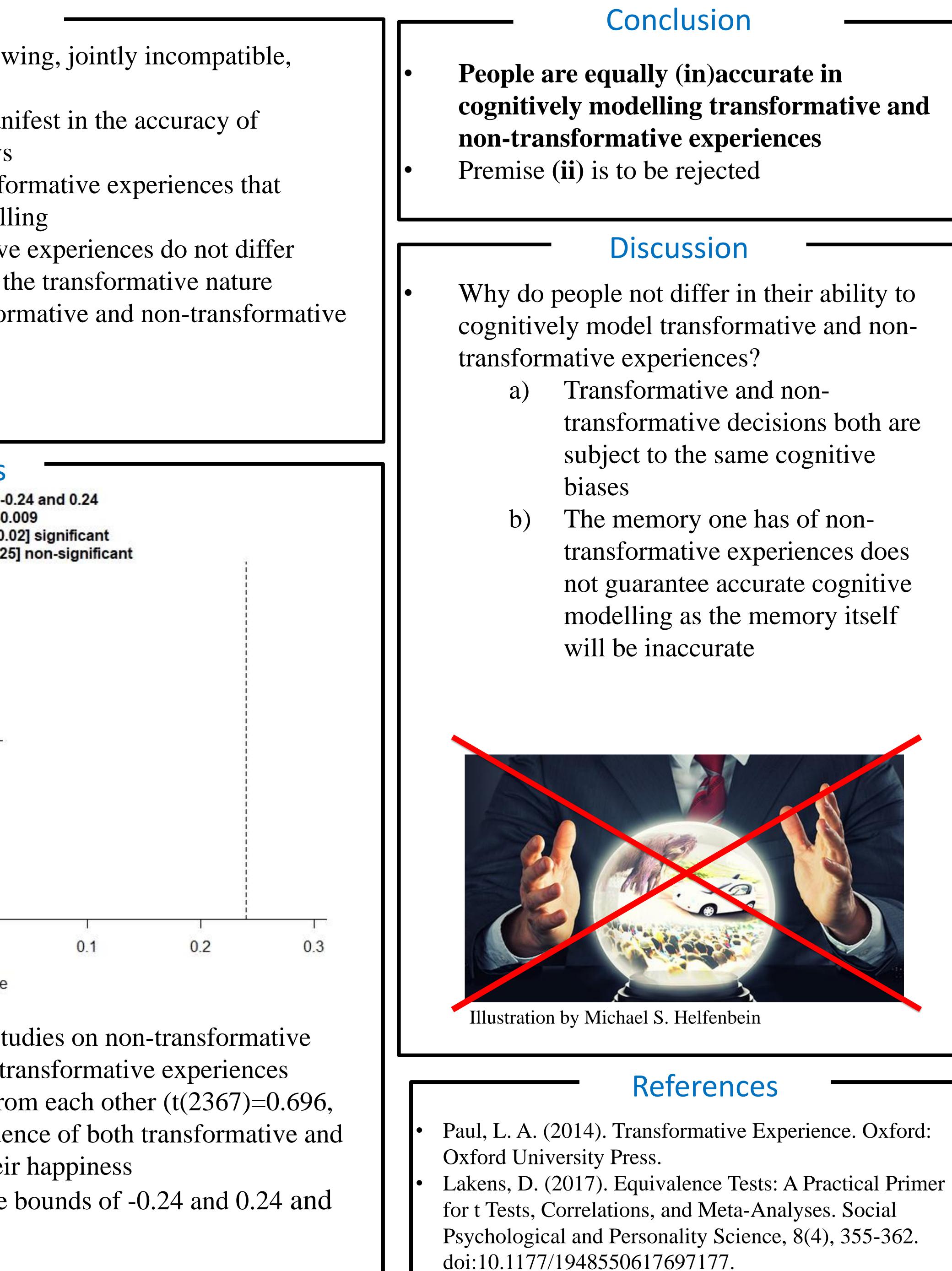
In this paper the ability to cognitively model is operationalized as affective forecasting 84 studies on affective forecasting were categorized into studies on transformative and non-transformative experiences Using a two-tailed Welch's t-test, we compared the weighted means of the effect sizes (Hedges's g) in the categories transformative and non-transformative experiences An equivalence test - the equivalence test for meta-analyses (TOSTmeta) - was subsequently run (Lakens, 2017)

**Transformative Experiences, Cognitive Modelling and Affective Forecasting** 

# Analysis

Results were analyzed in light of the following, jointly incompatible, premises: (i) Problems with cognitive modelling manifest in the accuracy of predictions in affective forecasting surveys (ii) It is the transformative nature of transformative experiences that creates the problems with cognitive modelling (iii) Transformative and non-transformative experiences do not differ systematically from each other except for the transformative nature (iv) Affective forecasts concerning transformative and non-transformative experiences are equally (in)accurate  $\rightarrow$  At least one premise has to be rejected Results Equivalence bounds -0.24 and 0.24 Effect size = -0.009 TOST: 90% CI [-0.038;0.02] significant NHST: 95% CI [-0.043;0.025] non-significant -0.2 -0.3 0.0 Effect size The weighted average effect sizes of studies on non-transformative experiences (g=0.696) and studies on transformative experiences

(g=0.705) do not significantly differ from each other (t(2367)=0.696), p=0.486). People overpredict the influence of both transformative and non-transformative experiences on their happiness Effect sizes fall within the equivalence bounds of -0.24 and 0.24 and thus are practically equivalent



- transformative decisions both are