ACBM
Association for Cognitive Bias Modification

ACBM Webinar

"I have collected my CBM data - what now?"
New answers to old dilemmas

8 Nov 2023

1-3pm
London Time

Members: Free
Non-members: US$25

To register, email: office@acbm-association.org

UNIVERSITÄT SALZBURG

Sercan Kahveci

How different pre-processing decisions affect the reliability and validity of the approach–avoidance task

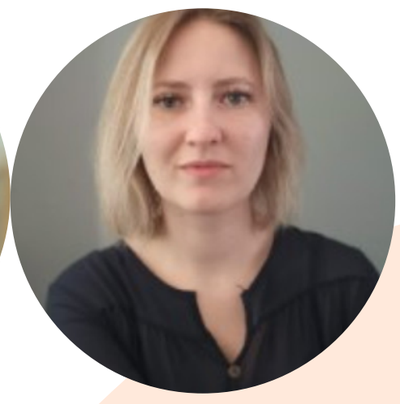
Given the numerous methods to deal with outliers and error trials and subsequently compute bias scores, researchers using the approach-avoidance task or other reaction time tasks would benefit from knowing which of these methods lead to psychometrically better outcomes. I compared a large number of possible pre-processing decisions on how they affect the reliability and validity of bias scores in six empirical datasets as well as simulations. I will discuss the recommendations that came out of this research.

Multiverse Analysis

When analysing data, researchers make many different decisions. Often, there is no principled way of making these decisions, there is no one "best" analysis. Here, we present multiverse analysis - that is analysing data in many different ways and drawing inferences across pathways - as an analysis method for situations where there is no clear "best analysis approach".

Radboud University

Max Primbs



Hannah Peetz

Joppe Klein Breteler

ANOVA versus Linear Mixed Effects Models for Experimental Paradigms: Power and Type-1 Error

In most experimental tasks, participants respond to experimentally manipulated stimuli (e.g., pictures, words). Using simulations based on a large dataset, we investigated power and type-1 error rates for analyses using ANOVA versus Linear Mixed-Effects Models (LMEM) in these tasks. I will demonstrate that ANOVA, when applied to data containing a sample of stimuli, can severely inflate type-1 errors. I will also illustrate the circumstances that lead to inflated type-1 errors and explain how to address this issue using LMEM.

https://acbm-association.org/meetings-events/