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How to Conduct a Multiverse Analysis in Applied Psychology

In many disciplines, multiverse analysis gains popularity as an important tool to strengthen the openness and transparency of research. Yet, multiverse analysis does not seem to be a common method in applied psychology, if it is known at all. Our key goal is to introduce the topic of multiverse analysis to applied psychology and to provide detailed guidance on how to run a multiverse analysis. To do so, we developed a detailed process model to guide researchers in carrying out a multiverse analysis, along with a shortened version depicting multiverse analysis “at a glance.” Our process model is available as a regular figure, an interactive PowerPoint as well as a Web site. Moreover, we adapted a preregistration template to facilitate the preregistration of multiverse analyses, and, finally, we give an empirical example of a multiverse analysis in applied psychology. Altogether, we provide multiple means to facilitate the conduct of multiverse analyses.

Hauptautoren: RUDOLPH, Cort (Wayne State University); ZACHER, Hannes (Universität Leipzig); MAZEI, Jens (TU Dortmund); HÜFFMEIER, Joachim (TU Dortmund)

Vortragende(r): MAZEI, Jens (TU Dortmund)

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