Preregistration

Many-analysts Psychedelics project: Measurement of Psychedelic Experiences

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Study Information

Title Many-analysts Psychedelics project: Measurement of Psychedelic Experiences

Description This project, focusing on the analysis of psychedelic experiences, addresses a gap in psychedelic research: the diverse and sometimes conflicting scales used to measure such experiences. Despite the proliferation of research scales, there is a lack of consensus regarding the constructs being measured and their underlying factor structures. Our objective is to assess the factor structure of the most commonly employed scales and their potential overlap, utilizing factor and latent class analysis.

The project revolves around two primary questions:

1. Whether the current dataset supports a common factor structure ("mystical experience") underlying the diverse scales measuring the psychedelic experience.
2. Identification of the best predictors of well-being according to our analysis.

- Which qeustionaires?

Hypotheses Enter your response here.

Design Plan

Study type **Observational Study**. Data will be analyzed from existing scales that measure psychedelic experiences, without the need for direct intervention or random assignment of treatments. This involves the statistical examination of previously collected datasets.

Blinding No blinding is involved in this study, as it is based on the analysis of existing datasets without direct interaction with subjects. The analysis focuses on uncovering patterns within the data using statistical methods, independent of any experimental manipulation or treatment assignment.

Study design Our study employs a many-analyst, observational design to explore factor structures in psychedelic research scales within a newly collected dataset. This approach leverages diverse statistical analyses, without specific counterbalancing, to assess commonalities and distinctions across scales.

Randomization Randomization is directly not applicable to the design of our study, as it involves the secondary analysis of pre-existing datasets rather than the direct allocation of treatments or interventions to subjects. We will split the dataset across participants into a training and a test set. This splitting will be done randomly, ensuring that the two sets are independent of each other. The training set will be used to identify the factor structure of the scales, while the test set will be used to validate the model. # Sampling Plan Our study is part of a many-analysts project and will analyze a newly collected dataset. Given the collaborative nature of this project, our analysis represents one of many, contributing to a broader understanding through the synthesis of findings across different analytical teams. At this stage, the exact number of samples in the dataset is not determined, as we do not yet have access to the data.

Existing data	**Registration prior to accessing the data**. As of the date of submission, the data exist, but have not been accessed by our team.
Explanation of existing data	Enter your response here.
Data collection procedures	Enter your response here.
Sample size	Enter your response here.
Sample size rationale	Enter your response here.
Stopping rule	Enter your response here.

Variables

Manipulated variables	Enter your response here.
Measured variables	Enter your response here.
Indices	Enter your response here.

Analysis Plan

Statistical models	Enter your response here.
Transformations	Enter your response here.

Inference criteria	
Data exclusion	Enter your response here.
Missing data	Enter your response here.
Exploratory analyses (optional)	Enter your response here.

Other

Other (Optional)	Enter your response here.

References