Sensory priming in aphantasia - Data analysis

Maël Delem

Table des matières

Below is the setup code, including two essential steps: 1) installing the required packages for this data analysis, and 2) importing data into the dataframes used throughout. I left this step there for reference in a view of transparency for the interested reader.

1 Exploratory Data Analysis

The four questionnaire variables (VVIQ, OSIQ-O and S, and SUIS) are meant to be used as predictors (independent variables) for the behavioural outcomes (dependent variables, RTs and potentially accuracy) of the study. Three of these - VVIQ, OSIQ-O and SUIS - evaluate visual imagery: as such, in a view of parsimony, we are going to evaluate the correlation between these continuous predictors and judge if they should be merged/omitted. The results of the Bayesian Pearson correlations between the four variables are displayed in Figure 1.
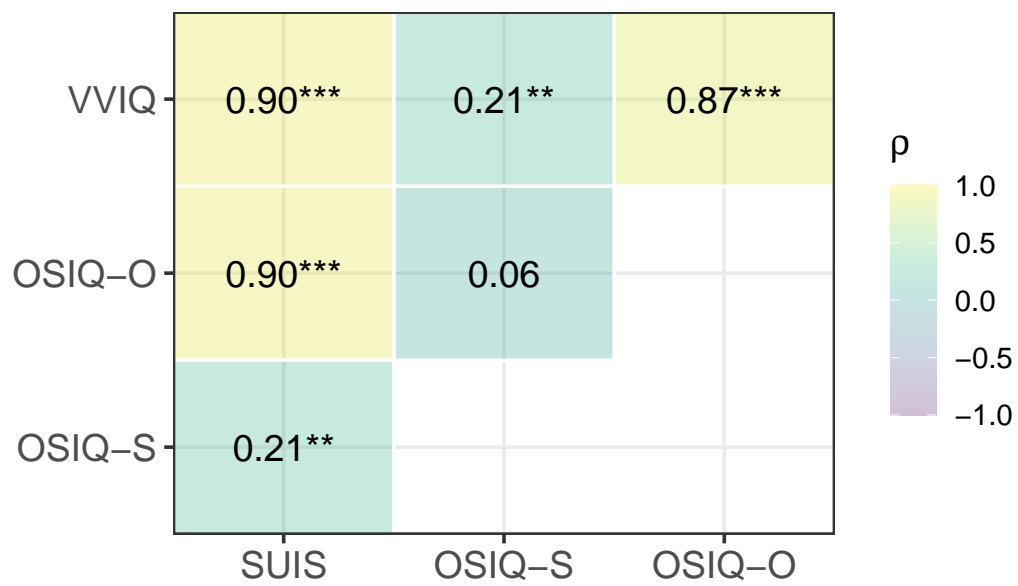
Figure 1: Correlation matrix of the questionnaire variables.