

## Thema: Hypomane Persönlichkeit und exekutive Funktionen

### AsPredicted Questions

**1) Data collection:** Have any data been collected for this study already?

- No, no data have been collected for this study yet.

**2) Hypothesis:** What's the main question being asked or hypothesis being tested in this study?

- People who score higher on hypomanic personality perform slower on depression-related items in the emotional stroop test compared to people who do not have a hypomanic personality
- For euphoria-related items there is no difference in reaction time between the two groups
- Hypothesis:
  - Hypomanic personality could be a protective factor against depression
  - Hypomanic personality hides / shields off sadness

**3) Dependent variable:** Describe the key dependent variable(s) specifying how they will be measured.

- Average reaction time in emotional stroop task for depression- and euphoria-related Items

**4) Conditions:** How many and which conditions will participants be assigned to?

- People with and without the tendency for hypomanic personality complete the same emotional stroop test under the same conditions

**5) Analyses:** Specify exactly which analyses you will conduct to examine the main question/hypothesis.

- ANOVA (one-way) (?)
- Power sensitivity Analyse (?)

**6) Outliers and Exclusions:** Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.

- We will calculate the mean reaction time of all participants
- All the participants 2.5 standard deviation above and below will be taken out

**7) Sample Size:** How many observations will be collected or what will determine sample size?

No need to justify decision, but be precise about exactly how the number will be determined.

- We will recruit participants till the end of December / beginning of January
- Recruiting methods: social media, e-mail, group chats, family and friends
- Realistically we will have recruited between 10-30 participants

**8) Other:** Anything else you would like to pre-register?

(e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)

- In the beginning there will be a questionnaire to test for „hypomanic personality“
- Based on the results later we will group the participants in „tendency for hypomanic personality“ and „no tendency for hypomanic personality“

**9) Name:** Give a title for this AsPredicted pre-registration

Suggestion: use the name of the project, followed by study description.

- hypomanic personality & executive functions - Stroop Test, Berlin, February 2024
- Is the hypomanic personality a protective factor against depression?

Finally. For record keeping purposes, please tell us the type of study you are pre-registering.

- Class project or assignment
- Experiment