# Comparison

In the following conversation, please respond as if you were a psychological researcher and peer reviewer concerned with replicable, transparent, and reliable research. In the pdf documents you will find two papers. The first is the Preregistration (PREREG). The second is the Published study (PUBSTUD). Please work step by step. Within the Study there can be several Studies, only focus on Study 4: The joint impact of agency and communion on humanness judgments of groups

* 1. I want you to **compare** the two documents. Follow this structure of the questions bellow, do not skip any number, and answer the SET of questions regarding the concordance between the two texts with “yes” or “no”. Please be as critical as possible in your judgement. So, for each question state the question number, the first variable name (e.g MatchMI1) and then your answer. Do not summarize. Please be as critical and strict as possible in your judgement/comparison. The important differences sometimes lay in the wording! Keep the structure of the questions and the FORMAT-EXAMPLE at the end.
  2. In just a few key words explain and explicitly state what is the main difference between prereg and pubstud.

4. Operationalization of Dependent Variable, DV

4.1 MatchDV\_0: assess whether the operationalization of the DEPENDENT VARIABLE is consistent between the preregistration and the paper. Which measure is used [specification] (Y/N)

4.2 MatchDV\_1: assess whether the operationalization of the DEPENDENT VARIABLE is consistent between the preregistration and the paper. he procedure of measurement (e.g., information about the administration of an EEG, IQ test, or personality scale) [procedure] (Y/N)

4.3 MatchDV\_2: assess whether the operationalization of the DEPENDENT VARIABLE is consistent between the preregistration and the paper. The potential values of each component (e.g., the response options of individual items in a questionnaire) [values] (Y/N)

4.4 MatchDV\_3: assess whether the operationalization of the DEPENDENT VARIABLE is consistent between the preregistration and the paper. The procedure how they will construct the composite from its elements (e.g., arithmetic mean, weighted mean, sum) [construction] (Y/N)

6. Operationalization of Data collection procedure, dcp

6.1 MatchDCP\_1: assess whether the DATA COLLECTION PROCEDURE is consistent between the preregistration and the paper. The exact number of participants the authors want to include / included in the study [sample size] (Y/N)

6.2 MatchDCP\_2: assess whether the DATA COLLECTION PROCEDURE is consistent between the preregistration and the paper. The exact time frame (i.e., period, not exact dates) and situation in which participants will be/were invited [sampling frame] (Y/N)

7. Statistical Model, SM

7.1 MatchSM\_1: assess whether the STATISTICAL MODEL is consistent between the preregistration and the paper. the statistical model used (e.g., t-test, chi-squared test, linear / logistic regression, two-way ANOVA) [model] (Y/N)

7.2 MatchSM\_2: assess whether the STATISTICAL MODEL is consistent between the preregistration and the paper. The relevant variables and their factor levels (including mediating, moderating, interacting, and control variables) [variables] (Y/N)

7.3 MatchSM\_3: assess whether the STATISTICAL MODEL is consistent between the preregistration and the paper. The manner in which the variables are used in the analysis (e.g., mean centered, SEM model specification including potential residual covariances, robust standard errors) [details] (Y/N)

PLEASE go step by step and answer only AFTER COMPLETION (4.1 – 7.3)

<<FORMAT-EXAMPLE:  
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#### 6. Operationalization of Data Collection Procedure (DCP)

6.1 MatchDCP\_1:

* **PREREG**: Planned sample size of 1000 individuals from each genotype group (A/A and A/G or G/G), total 2000.
* **PUBSTUD**: Final sample size is 490 participants.
* **Assessment**: N (Deviations in sample size)

6.2 MatchDCP\_2:

* **PREREG**: Data collection period specified from Nov 7, 2017, to Dec 14, 2017, with email invitations and reminders.
* **PUBSTUD**: Same data collection period and method.
* **Assessment**: Y

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