

## Reviewer Report

**Title:** "The Healthy Brain Network Serial Scanning Initiative: A resource for evaluating inter-individual differences and their reliabilities across scan conditions and sessions"

**Version:** Original Submission    **Date:** 10/13/2016

**Reviewer name:** Cyril Pernet

### Reviewer Comments to Author:

The authors describe an additional (small) data-set available with the 1000 connectome projects ; and in itself it's a nice dataset.

I have not downloaded and reviewed the data - so my comments relates to the manuscript only. These are more suggestion than fundamental disagreement with what is in the manuscript.

(1) Abstract: in findings rather than 'reliability analyses' I suggest naming them or adding a parenthesis and list metrics used

(2) Description of movie clips used - I think you need to specify the version of the movie - I'm sure my French version of the matrix starting at 00.25.23.10 is different from yours ... also are the clips shared too ? if so please mention it

(3) Same for the flanker task - is it shared?

(4) Data Privacy - please name and reference the software used to defacing

(5) Data preprocessing - fingerprinting: what did you use for correlation? in the figure 5 it says Pearson - in that case, why did you write 'spatial correlation' ; Cameron likes concordant correlation ratio - it's more spatial -- please specify and maybe include some measures ie mean correlations and 95% CI (I prefer Bayesian CI but it's up to you)

(6) same with connection wise ICC the mean values with 95% CI for between vs within might be useful to report

Cyril Pernet

### **Level of Interest**

Please indicate how interesting you found the manuscript: An article whose findings are important to those with closely related research interests

### **Quality of Written English**

Please indicate the quality of language in the manuscript: Acceptable

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