**Reviewer’s report**

**Title:** Personality dimensions emerging during adolescence and young adulthood are underpinned by a single latent trait indexing impairment in social functioning

**Version:** 0  **Date:** 20 Nov 2017

**Reviewer:** Nelly Goutaudier

**Reviewer’s report:**

This is a very interesting paper that clearly add a body of knowledge in the field of personality. There are some minor points in which the paper could be improved

**Introduction section:**

* The authors explain that they focus on negative emotionality, schizotypal, narcissistic, callous-unemotional, and antisocial and impulsivity traits. A definition of each traits would be beneficial.

* At the beginning of the introduction section, the authors give some examples about correlation between traits but are not very precise about prior findings. More details about previous studies (e.g. samples) could be added.

* P 5 line, 34, the authors should replace "sex" by "gender"

* In the hypothesis section, the authors explain that they want to test gender and age effects. Some rational should be added in the introduction section.

**Measures:**

* While this is totally understandable that the authors did not provide a full description of the scales used as external validation criteria, descriptions of the five first scales are not enough developed. The authors give the number of items and the type of possible answers. As an example, they could add an example of item

**Statistics :**

* In order to facilitate the understanding for readers who would not be familiar with Factorial analyses, the authors should specify that EFA mean Exploratory Factor Analysis and that CFA mean Confirmatory Factor Analyses, the first time it is used.

**Discussion :**

* While the authors explain that their findings are in line with the ICD-11 and the DSM-5, it is unclear whether and how their findings could impact clinical practice.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

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