Review of: "Deep Learning Modeling for Prediction of Cognitive Task Related Features from Resting-state fMRI Data"

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Potential competing interests: No potential competing interests to declare.

Thank you for this interesting study.

Introduction:

1.Please change ‘’ In neuroimaging research, a brain connectome called resting-state functional

connectivity (rs-FC) is being investigated using functional magnetic resonance imaging

(fMRI) ‘’ to ‘resting-state functional connectivity (rs-FC) is being investigated using functional magnetic resonance imaging (fMRI) ‘’

2. ‘’It ‘’ in the fourth up to eighth lines of introduction must refer to resting-state functional magnetic resonance imaging (rfMRI) not rs-FC. Please replace

3. please introduce ‘’ cognitive test scores’’ in separate paragraph. Which kind of offline ‘’cognitive test scores’’ had been referred here.

4.Please correct last sentence of introduction: ‘’ The scores of this test are negatively correlated with age, making them the best indicators of age-related cognitive decline. Therefore, it was required to regress the effects of age as an important factor’’

Did you mean :

You predict the scores of this test are negatively correlated with age, making them the best indicators of age-related cognitive decline. Therefore, it was required to regress the effects of age as an important factor.

At the end of the introduction, usually you must include your hypothesis not the result of the study .

Methods:

What are the methods of comparison between models

Results Was clear.

Discussion: Although, 63% needs to be improved to be trusted to be used in the clinical application, pleas add any potential clinical evaluation of this result.