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.

The manuscript was well-written and provided a novel strategy for predicting cognitive task-related features. Below are the minor comments that should be addressed before consideration.

In section 3.1, They observed a correlation coefficient of 0.63 for the cGCN-LSTM and 0.56 for the LASSO regression model. Is this difference statistically significant? How this will lead to the finding of Omidvarnia et al., 2023.

In section 3.2, the left Heschl's gyrus (Heschl_L) and right
anterior cingulate cortex (Cingulum_Ant_R), contribute the most to age estimation. The author should cite any supportive literature for these findings.

In Figure 4, the author should provide a complete network with all the regions and highlights the strong connection. By this, the reader will understand these findings in a global picture.