Brain-performance Association within the current sample for each fCNB Task

Brain-performance Prediction in each fCNB Task

Brain activation patterns (1) and demographics (2) used to predict performance in each fCNB task. PM1, PM2, and PM3 indicate the predictive ability of %act, %ext and the combination of the two, respectively.

Methods:

- Variable Selection and Cross Validation using LASSO and k-folds
- Whole Brain Task Activation
- Anatomical ROI parcellation
- Variable Selection and Cross Validation using LASSO and k-folds for performance prediction

Participants characteristics and performance

Participants exclusion: task-by-task

In-scanner and out-of-scanner performance are significantly correlated

Brain-performance Prediction in each fCNB Task

Future Directions

Funding

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