

Discussion

OPNMF: Convergence of the spatial pattern as well as good prediction performance when But OPNMF-based compression can slightly the factorization of one dataset has been projected onto another dataset argue for the parcellation. biological validity and transferability of the factorization

outperform resting-state-based

-30

HC MCI IMCI AD

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RS-parcellation: Compression of GM maps based on a functional representation (restingstate-based parcellation) offers comparable prediction performance (than OPNMF compression) in both healthy and clinical datasets

> The best compression of GM data should be based on structural data, but, alternatively, opting for a representation based on functional parcellation should not dramatically impact on the prediction performance.

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