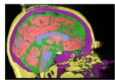


Data Preprocessing



T1w image in native space



Tissue segmentation

Gray Matter

White Matter



+



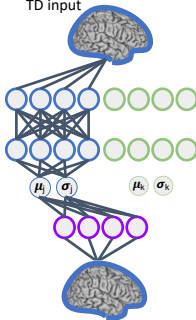
Brain Tissue

Subject's brain in Native space (3D Volumetric view)



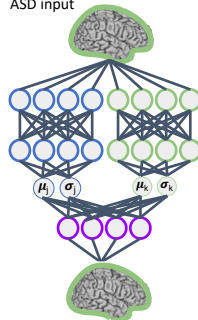
Contrastive autoencoding

Data path for TD input



TD reconstruction

Data path for ASD input



ASD reconstruction



Convolutional encoders



Shared decoder



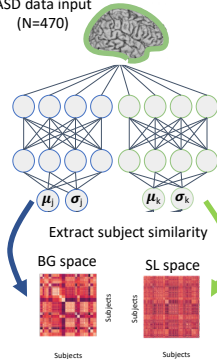
Salient space



Background space

RSA analyses

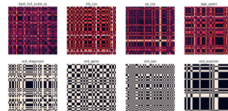
ASD data input (N=470)



Subjects

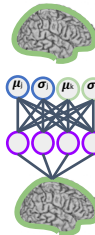
Subjects

RSA models



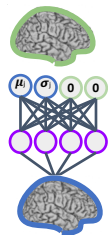
Neuroanatomical Analyses

ASD brain



Full reconstruction

ASD brain



Reconstruction of TD features only

Identification of ASD features

ASD brain

TD features



Spatial normalization
TD -> ASD