

(A) Residual plot (MVI = 10.3, strong)



(B) Attention map



(C) Density plot of estimated  $\hat{D}$

Conventional p-value =  $7.82e-41$



—  $Q_{null}(0.95)$     - - - - observed  $\hat{D}$

■ Boot    ■ Null

(D) PCA for extracted features



● Boot    ● Null