

(A) Residual plot (MVI = 5.35, weak)



(B) Attention map



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

Conventional p-value = 0.0457



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

Boot    Null

(D) PCA for extracted features



Boot    Null