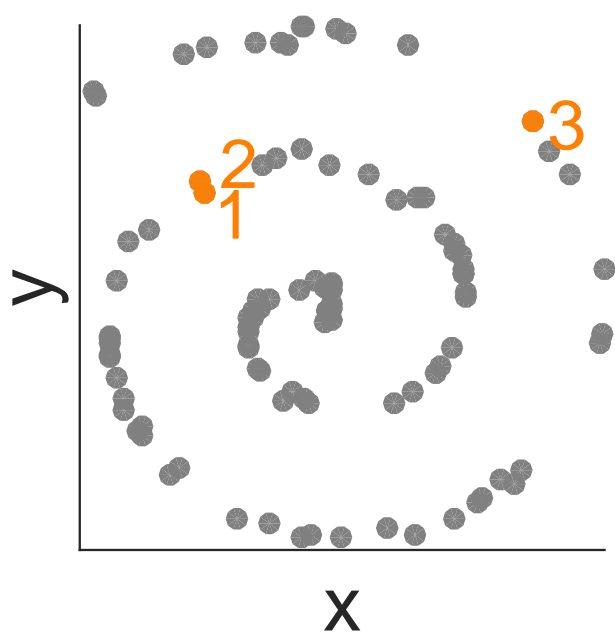
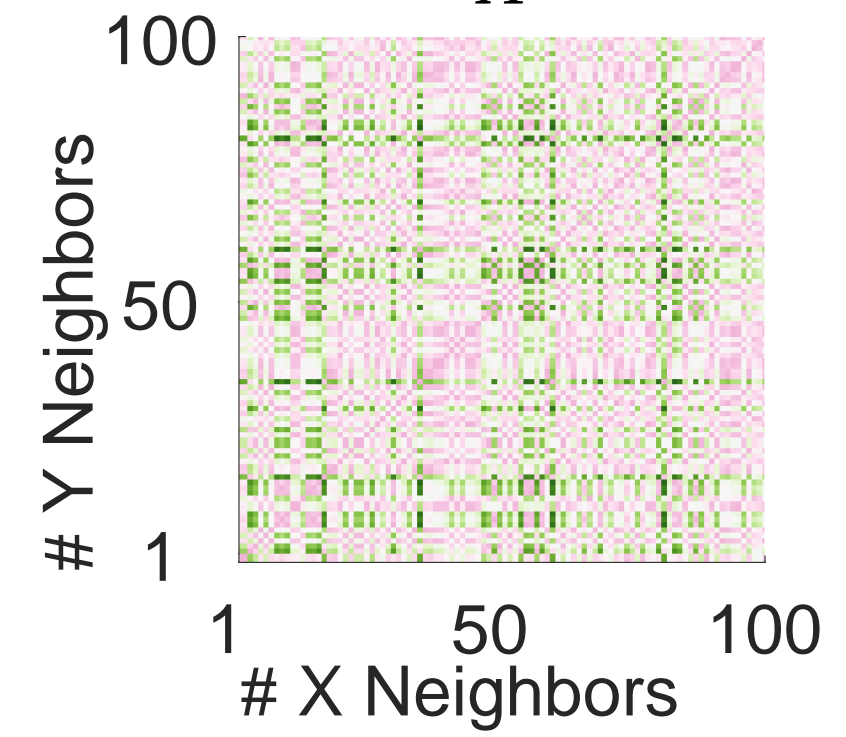


## 0. Sample Data



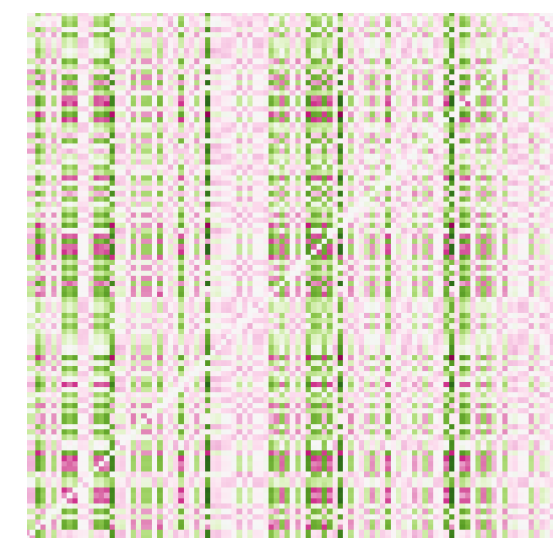
1. Mantel  
(pairwise distances)

$$\tilde{A}$$



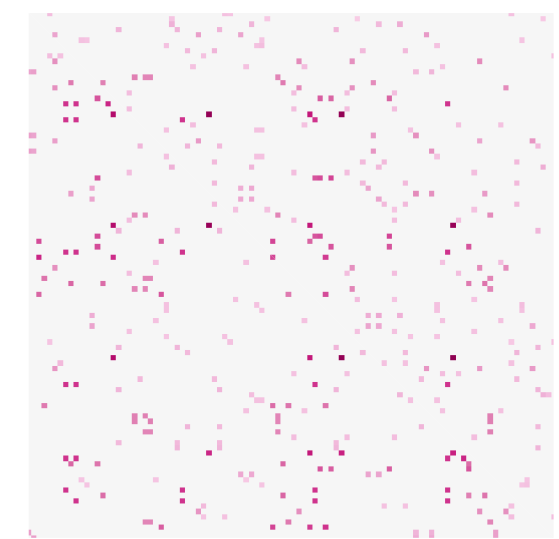
2. Mcorr  
(single center)

$$A$$



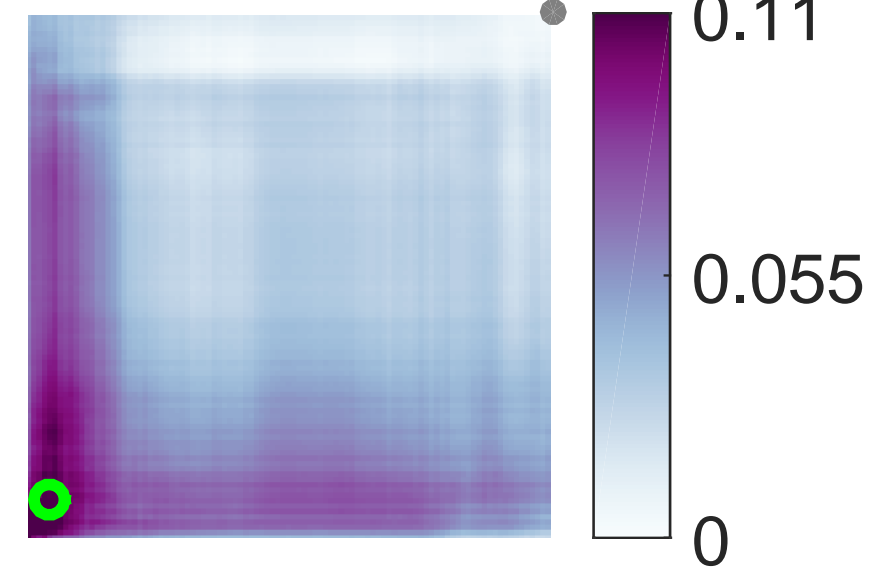
3. MGC<sup>k,l</sup>  
(local scale)

$$A^k$$

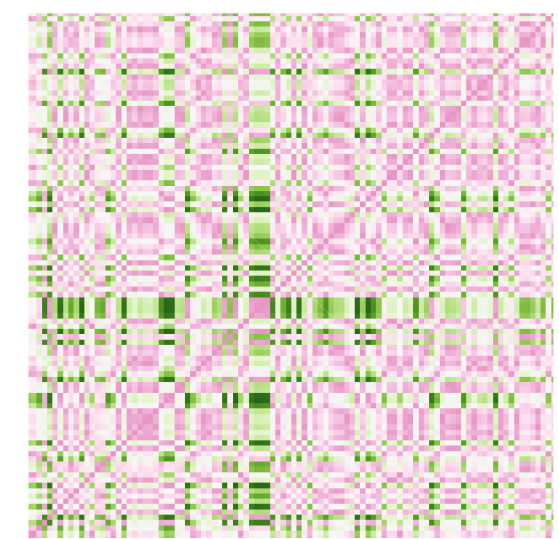


4. Multiscale Maps  
(all scales)

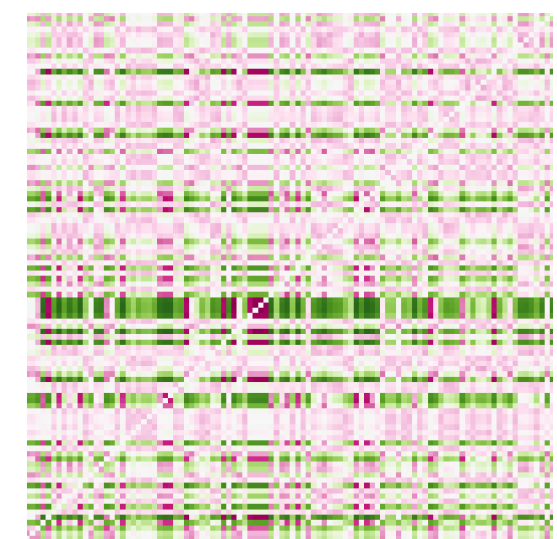
Test Statistics



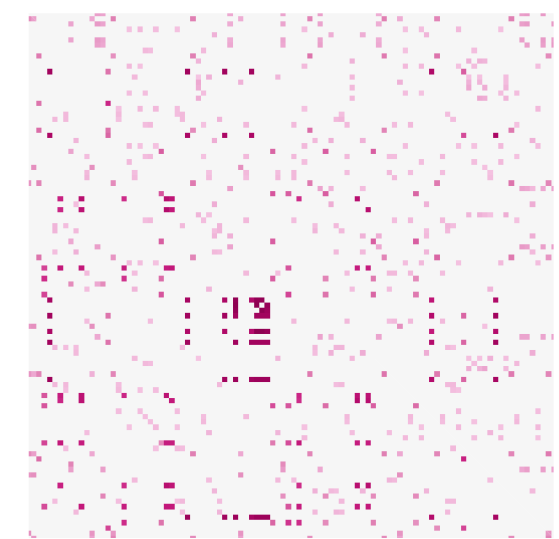
$$\tilde{B}$$



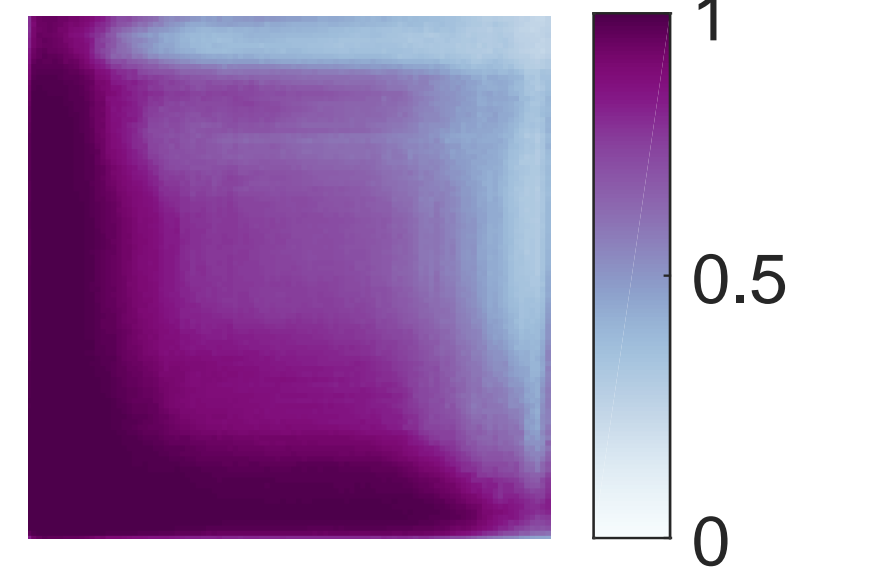
$$B$$



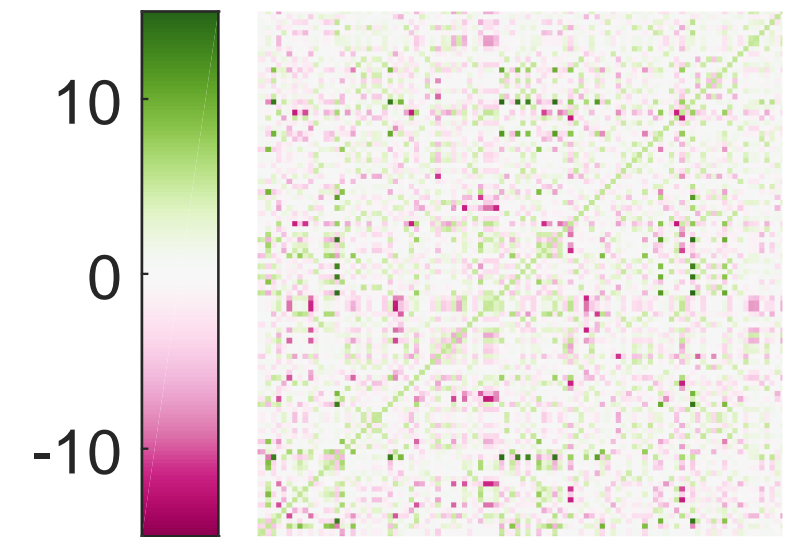
$$B^l$$



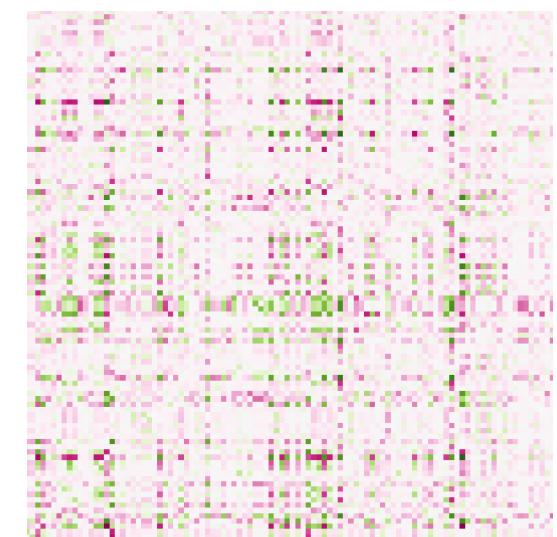
Powers



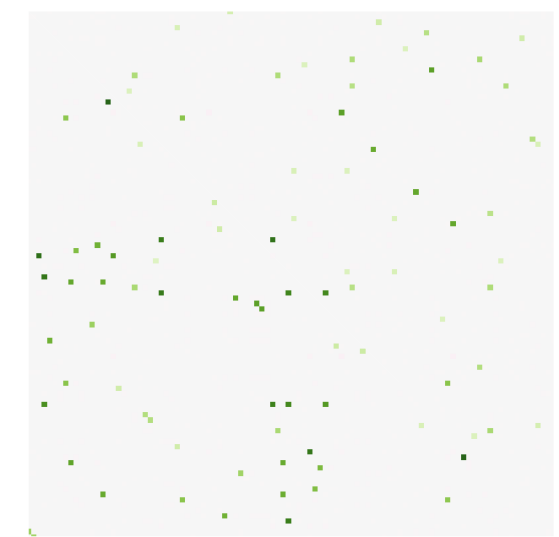
$$\tilde{C} = \tilde{A} \circ \tilde{B}$$



$$C = A \circ B$$



$$C^{kl} = A^k \circ B^l$$



P-Values

