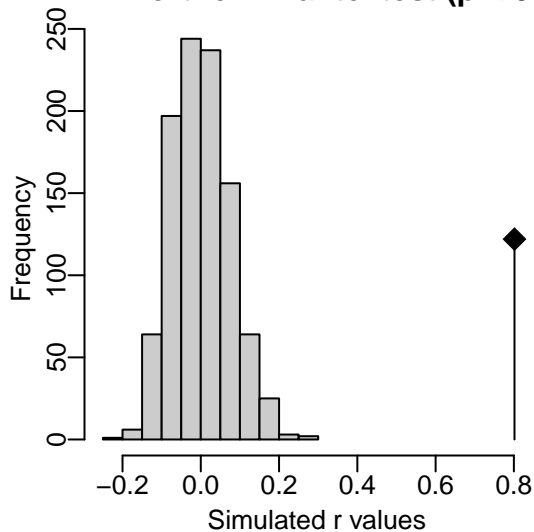
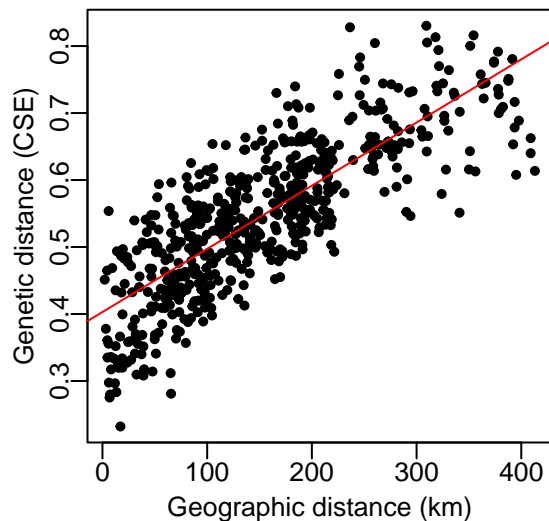


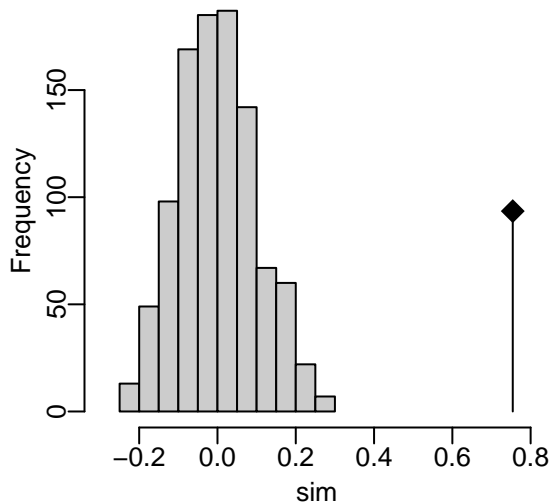
**A. Northern Mantel test ( $p < 0.001$ )**



**B. Northern correlation ( $r = 0.80$ )**



**C. Southern Mantel test ( $p < 0.001$ )**



**D. Southern correlation ( $r = 0.75$ )**

