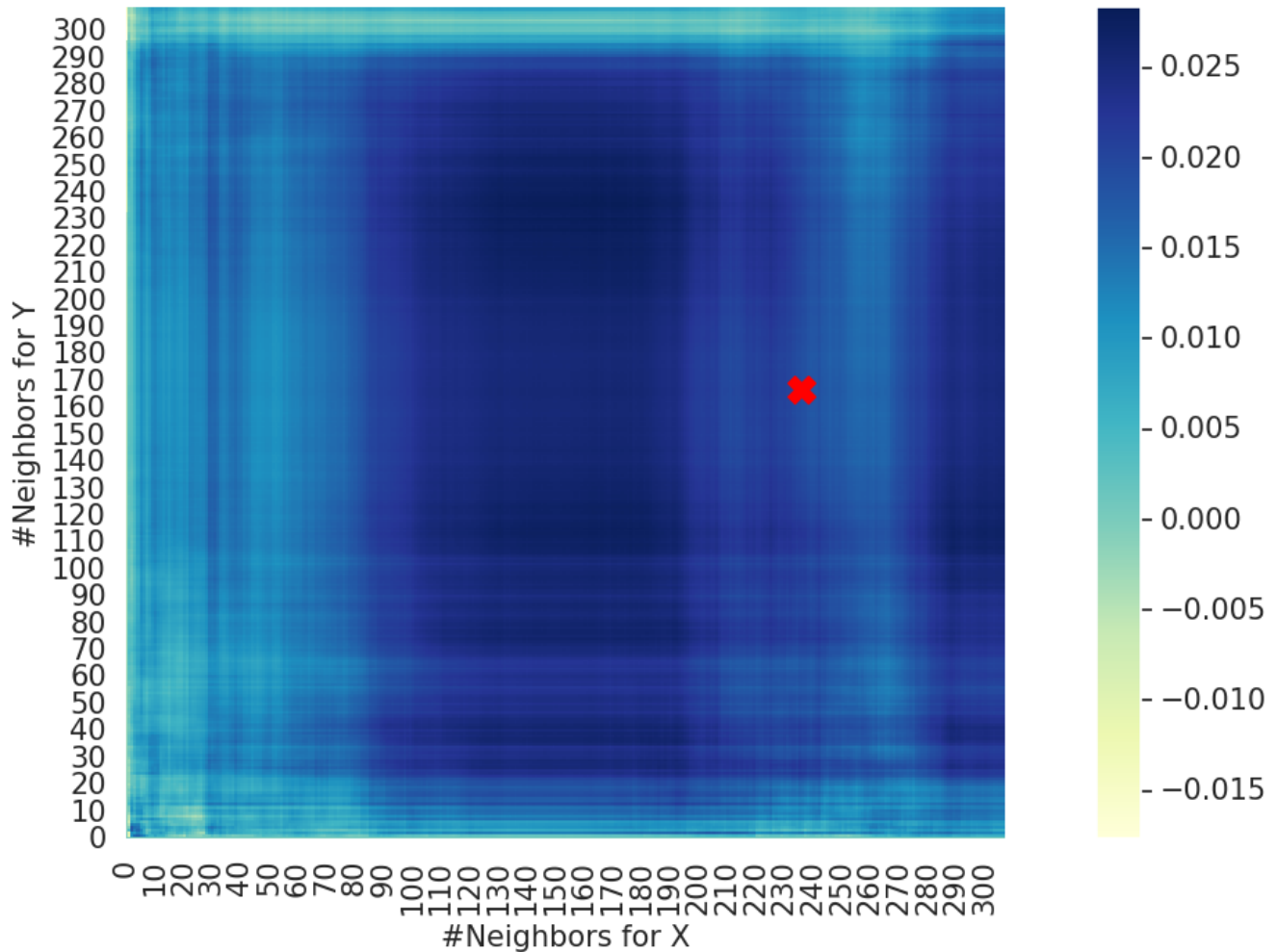X vs Y:
MGC test statistic: 0.02831487898815876
P Value: 2.2957003709134227e-07
Optimal Scale: [236, 167]

Local Correlation Map

ASSQ:
MGC test statistic: 0.046851414448230246
P Value: 0.0
Optimal Scale: [124, 38]

SCQ:
MGC test statistic: -0.004189524369061029
P Value: 0.8803552041618571
Optimal Scale: [309, 26]

SRS:
MGC test statistic: 0.02852517529372983
P Value: 0.9999985767480096
Optimal Scale: [236, 37]