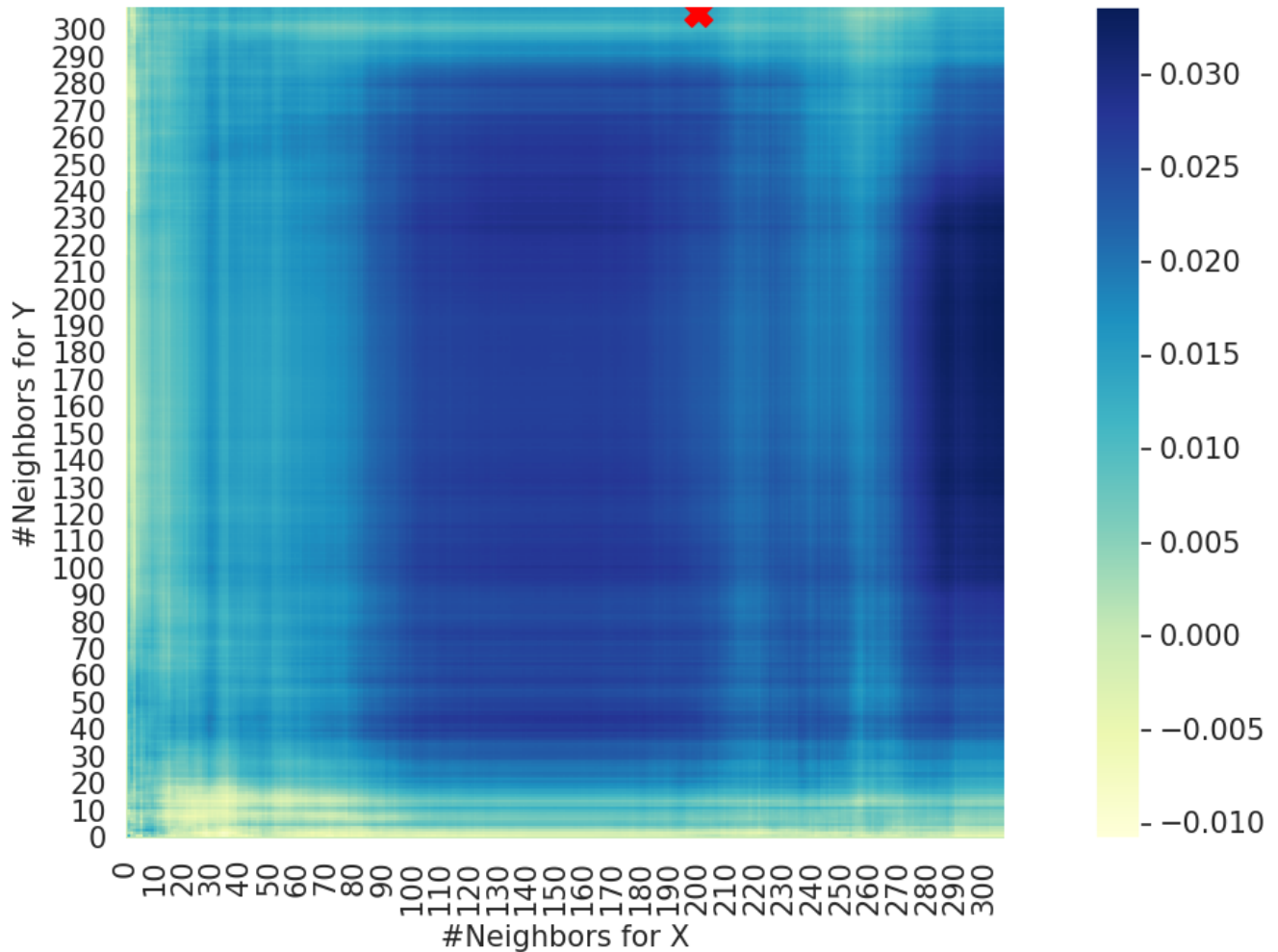X vs Y:
MGC test statistic: 0.033600890068702
P Value: 0.31109078026509307
Optimal Scale: [200, 307]

Local Correlation Map

ASSQ:
MGC test statistic: 0.04063454273348005
P Value: 6.2585492344169324e-12
Optimal Scale: [235, 5]

SCQ:
MGC test statistic: 0.024624370847389887
P Value: 1.2294712163907207e-05
Optimal Scale: [199, 26]

SRS:
MGC test statistic: 0.028841345172663714
P Value: 3.132949307760313e-07
Optimal Scale: [228, 37]