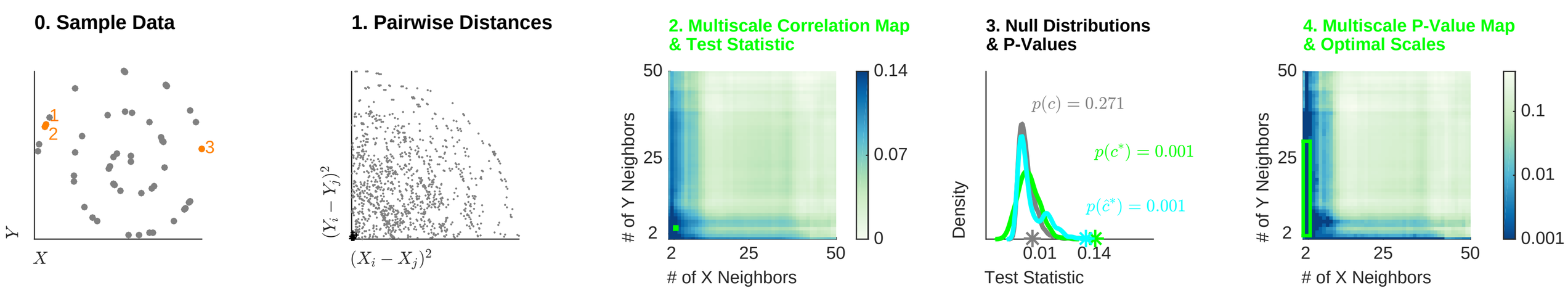
0. Sample Data
1
2
3
Y
X
1. Pairwise Distances
$(Y_i - Y_j)^2$
$(X_i - X_j)^2$
2. Multiscale Correlation Map & Test Statistic
50
25
2
# of Y Neighbors
2
25
50
# of X Neighbors
0.14
0.07
0
3. Null Distributions & P-Values
$p(c) = 0.271$
$p(c^*) = 0.001$
$p(\hat{c}^*) = 0.001$
Density
0.01
0.14
Test Statistic
4. Multiscale P-Value Map & Optimal Scales
50
25
2
# of Y Neighbors
2
25
50
# of X Neighbors
0.1
0.01
0.001