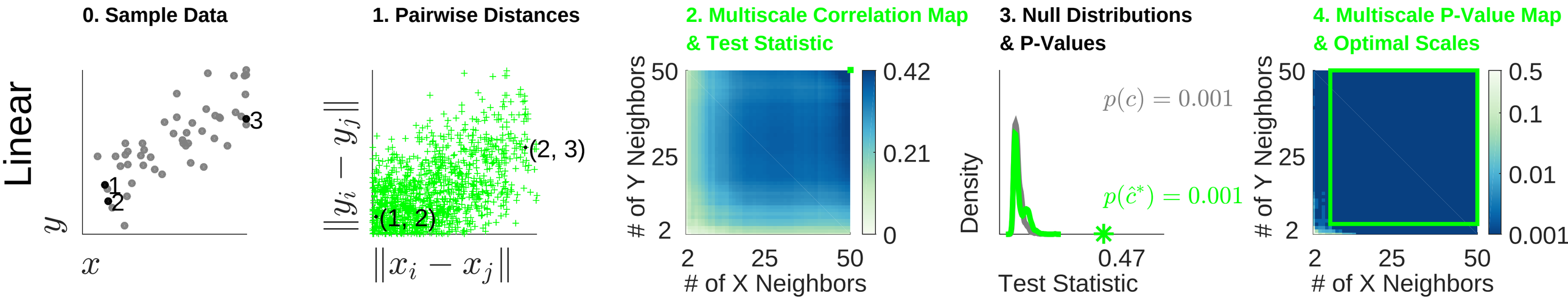
Linear
0. Sample Data
1. Pairwise Distances
2. Multiscale Correlation Map & Test Statistic
3. Null Distributions & P-Values
4. Multiscale P-Value Map & Optimal Scales
y
x
1
2
3
$\|y_i - y_j\|$
$\|x_i - x_j\|$
(1, 2)
(2, 3)
# of Y Neighbors
# of X Neighbors
50
25
2
0.42
0.21
0
Density
$p(c) = 0.001$
$p(\hat{c}^*) = 0.001$
0.47
Test Statistic
0.5
0.1
0.01
0.001