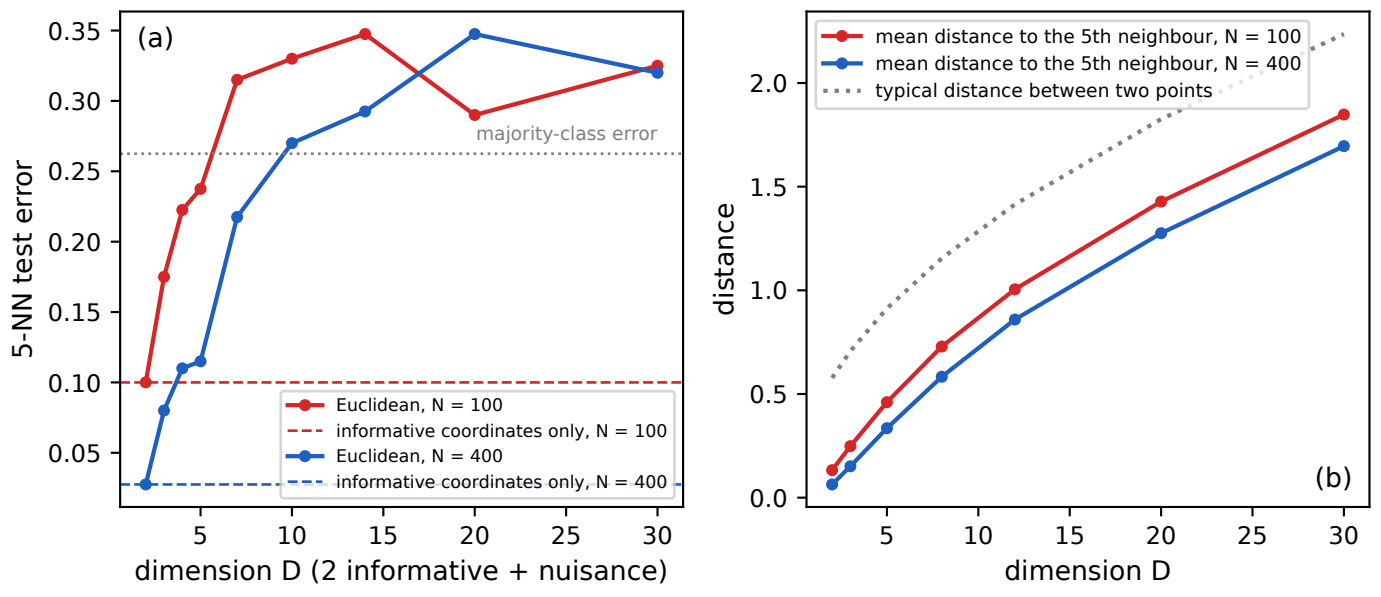

(a)
5-NN test error
0.35
0.30
0.25
0.20
0.15
0.10
0.05
majority-class error
Euclidean, N = 100
informative coordinates only, N = 100
Euclidean, N = 400
informative coordinates only, N = 400
5
10
15
20
25
30
dimension D (2 informative + nuisance)
mean distance to the 5th neighbour, N = 100
mean distance to the 5th neighbour, N = 400
typical distance between two points
distance
2.0
1.5
1.0
0.5
0.0
(b)
dimension D