Distance Metrics: Euclidean vs Manhattan

$d_{Eucl} = \sqrt{\sum (x_i - y_i)^2}$
$d_{Manh} = \sum |x_i - y_i|$

B

A

3 units

4 units

Point A (1, 1)
Point B (5, 4)
Euclidean: 5.00
Manhattan: 7

X coordinate

Y coordinate