

17/02/14

(Some standard metrics on \mathbb{R}^2)

$$d(A, B) = \max(|x_1 - x_2|, |y_1 - y_2|)$$

$$d(A, B) = |x_2| + |x_1| + |y_2 - y_1|$$

$$d(A, B) = |x_1 - x_2| + |y_1 - y_2|$$

$$d(A, B) = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

supremum

Raspberry pickers
(hotel, lift)

city-block (L1)
(taxi cab)

Euclidean (L2)

