

DISTANCE MEASURES

Minkowski ($p=3$)

$$D_m = \sqrt[p]{\sum |x_i - y_i|^p}$$

- $A = 4, 3, 5, 7$ $\{ |A-B| = 1, 1, 1, 2 \}$
- $B = 5, 2, 4, 9$

$$\begin{aligned} D_m &= \sqrt[3]{(1)^3 + (1)^3 + (1)^3 + (2)^3} \\ &= \sqrt[3]{11} = 11^{\frac{1}{3}} = \underline{\underline{2.223}} \end{aligned}$$