

$$\vec{x}_1 = \begin{pmatrix} 0.74 \\ 0.82 \\ 0.71 \\ 0.76 \\ 0.79 \end{pmatrix}; \vec{x}_2 = \begin{pmatrix} 0.77 \\ 0.86 \\ 0.74 \\ 0.72 \\ 0.77 \end{pmatrix}$$

$$(\vec{x}_2 - \vec{x}_1)^T = (0.03 \quad 0.04 \quad 0.03 \quad -0.04 \quad -0.02)$$

$$\text{absort}(\vec{x}_2 - \vec{x}_1)^T = (-0.02 \quad 0.03 \quad 0.03 \quad 0.04 \quad -0.04)$$

$$r^T = (-1 \quad 2.5 \quad 2.5 \quad 4.5 \quad -4.5)$$

$$W = \sum r_i = 4$$

$$\sigma_W = \frac{\sqrt{5(5+1)(2 \cdot 5 + 1)}}{6} = 3.0277$$

$$z = \frac{W - 0.5}{\sigma_W} = 1.156$$

$$p > 0.05$$