

Metrics

1) Us n-level
$$U = \frac{\sum X_i}{N}$$
 $\frac{3+ ... + 4}{1+ ... + 4}$

2) Ratio
$$R = \frac{\sum X_i}{\sum y_i} \frac{z + \cdots + \xi}{10 + \cdots + \zeta}$$

2) Linearizection

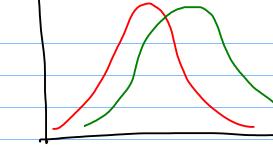
$$\mathcal{Z} = \frac{E[X]}{E[Y]} + \frac{1}{E[Y]} \cdot \left(X - \frac{E[X]}{ECY}, Y\right)$$

$$E(2) \approx E(p) \quad Van(2) \approx Van(R)$$

3) Pelta-method

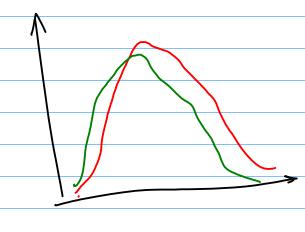
Hypothes: S False True Porit TP (confidence) FNI Type I error) reject Reision Reject FP (Type I error) TN (Power) t_test Welch Test horality nomality - 8x = 8y - Sx + Sy $t = \frac{\overline{x} - \overline{y}}{\sqrt{\frac{5}{x} + \frac{5y}{x}}} \sim t_{\Lambda}$ $S_p = \sqrt{\frac{S_x^2 + S_y^2}{x}}$ Nx + Ny $t = \frac{x - y}{\sqrt{1 + \frac{1}{h_x}}} \sim t_{h_x + h_y - 1}$ $S_p^2 \sqrt{\frac{1}{h_x}} + \frac{1}{h_x}$

- he assumptions
about distref X,y



$$W_0: A_{\times}(X) = A_{\times}(Y)$$

$$W_{\alpha}: \int_{X} (x) = \int_{Y} (y+a)$$



$$U_{x} = \ell_{x} - \frac{n_{x}(h_{x}fl)}{2}$$

2) min [Ux; Uy]

$$S(x; \theta;) : \int_{0}^{1} \frac{1}{x_{i}^{2}} \frac{x_{i}^{2}}{y_{i}^{2}}$$

$$\frac{U - h_u}{2}$$

$$\frac{U - h_u}{\delta u}$$

$$\frac{u}{\delta u} = \frac{h_1 h_2}{h_1 h_2 h_3}$$

$$\frac{u}{\delta u} = \frac{h_1 h_2}{h_1 h_2 h_3 h_4 h_4 h_4 h_5}$$

Luene's Test Ho: 6, = 62 = ... = 62 Wa: 71,j 8; + 6; Between vaniance $(N-L) \cdot \sum N \cdot (\bar{z}_i - \bar{z}_i)^2$ $W = \frac{1}{N-L} \cdot \sum \sum (\bar{z}_{ij} - \bar{z}_{ij})^2$ White variance $(k-1) \cdot \sum \sum (\bar{z}_{ij} - \bar{z}_{ij})^2$