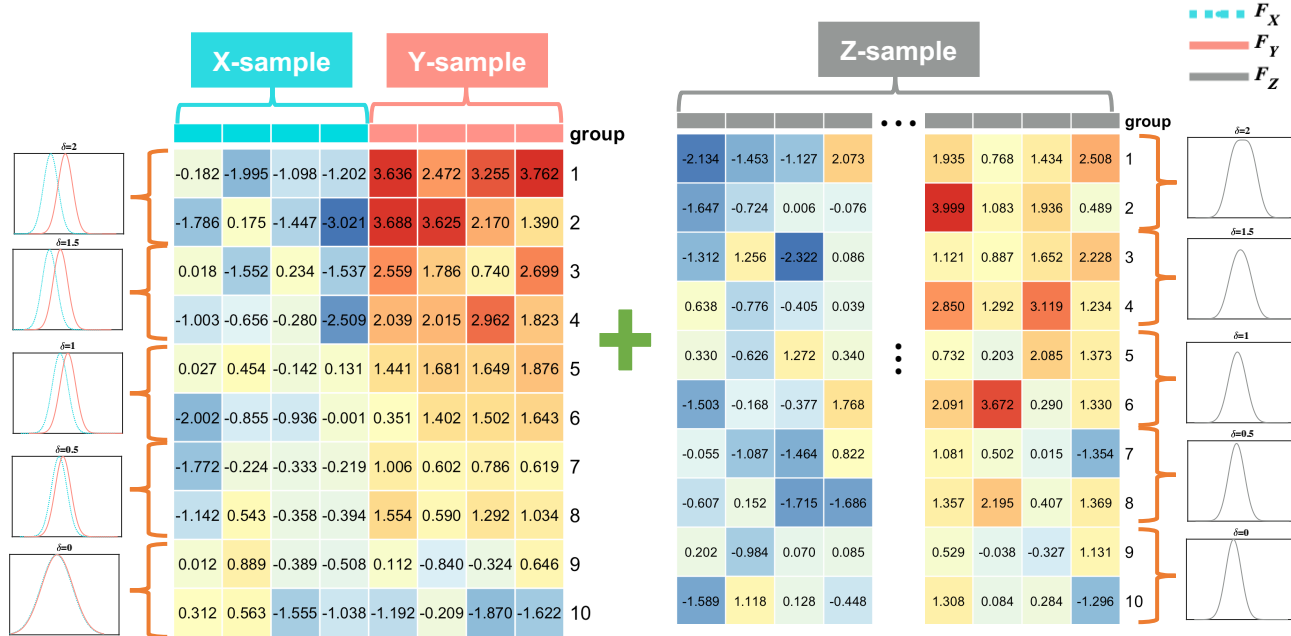
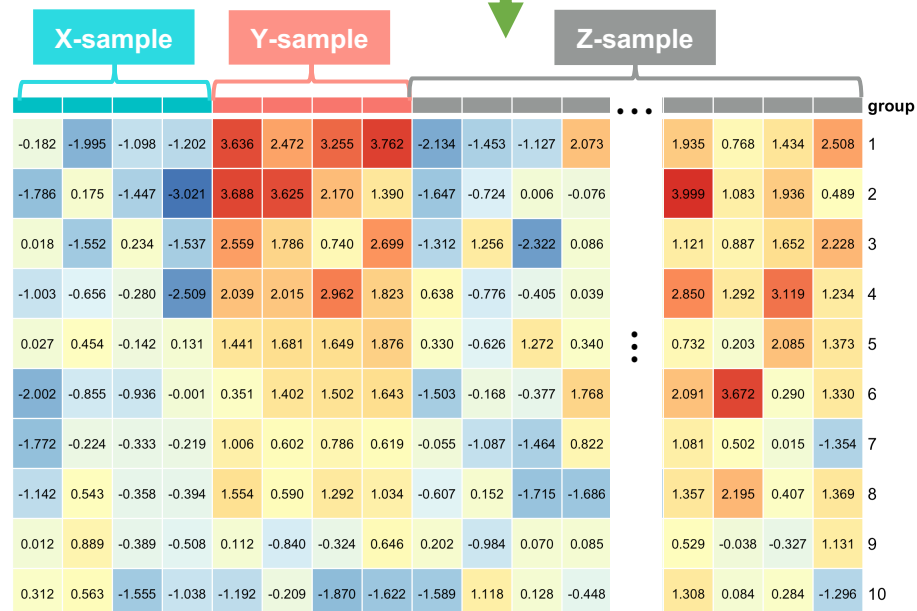


a



b



Available auxiliary sample /
Generated auxiliary sample:
 $F_Z(x) = \pi_Z F_X(x) + (1 - \pi_Z) F_Y(x)$

Pooling

Ranking

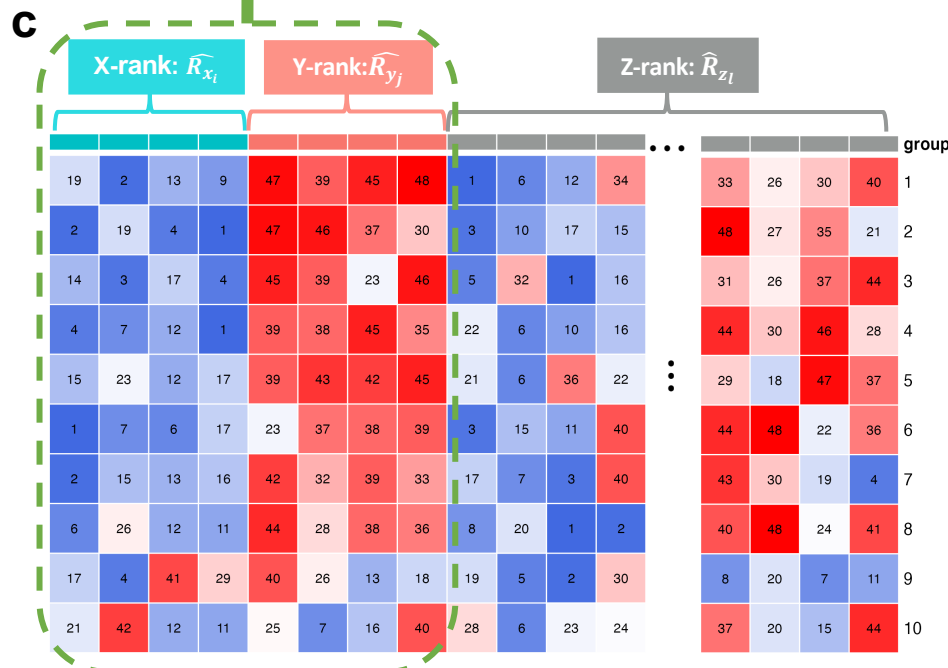
d

No.	WMW-A	p-value	reject /accept H_0
1	-34.00	0.002	reject
2	-33.50	0.001	reject
3	-28.75	0.002	reject
4	-33.25	0.001	reject
5	-25.50	0.001	reject
6	-26.50	0.002	reject
7	-25.00	0.002	reject
8	-22.75	0.006	reject
9	-1.50	0.874	accept
10	-0.50	1.000	accept

group

case
control
auxiliary

c



Testing

$$\text{WMW-A} = \sum_{i=1}^m \frac{\widehat{R}_{xi}}{m} - \sum_{j=1}^n \frac{\widehat{R}_{yj}}{n}$$