

$$P(y_j > y_u \mid y_i \text{ is the max})$$

$$P(\exists y_j : y_j > y_u \mid y_i \text{ is the max})$$

$\approx \parallel$

$$\text{this event} = \{y_i > y_u\}$$

$$= P(y_i > y_u \mid y_i \text{ is the max}) = \alpha!$$

So Todo: 1) Code up the conditional distⁿ. (in general)

- 2) Apply to this example
- 3) Find y_u .
- 4) Test the FAER thresholding.

