$$\sum \# \left[\text{maxima in } D \text{ that are} \geq v \text{ and s.t. } X(c_v) \geq u^* \right]$$

$$\sum M(D) \rightarrow \# \text{ of maxima in } D \text{ that are} \geq v.$$

$$\frac{1}{n} \sum_{i=1}^{nsim} \mathbb{1}\left[f > v,\ X(c_v) > u^* \right]$$

$$\frac{1}{n} \sum_{i=1}^{nsim} \mathbb{1}\left[f > v \right]$$

$X(c_v) \geq u^*$

$= \sum v(Y(0) - v)$

$+ \sum$

can count these points!

using Kac Rice

for each peak there is a connected component.

So can consider the clustersize distb^n just like we have the peak height distb^n.