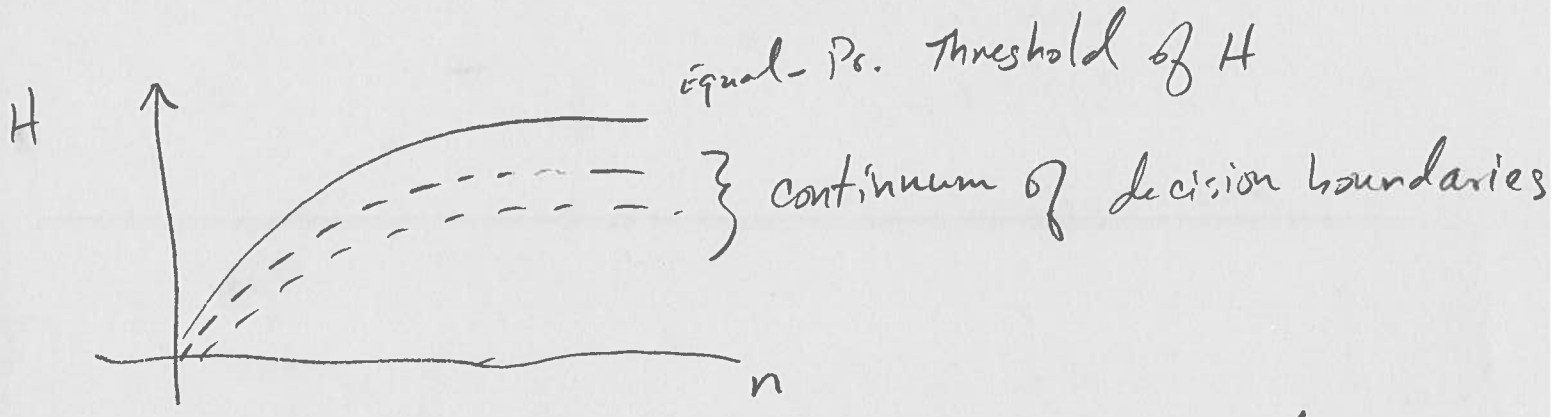
2023-10-23 Information Theory - Wes. Bonifay Call

- SE ~ entropy?
- info content



- ☐ see paper from Wes on related topic Fig A1
- ☐ E.T. Jaynes: "max entropy" → "baseline" required for (meaningful) interpretation"
- ☐ EMD → non-informative → some new Pr() ?
- * Entropy ~ generalization ?
- * $H_{worst} - H_{observed}$ → ranking / information gain
- * ↑ think about what this might be

Constant Value or Pr(class) ⟷ Total Noise

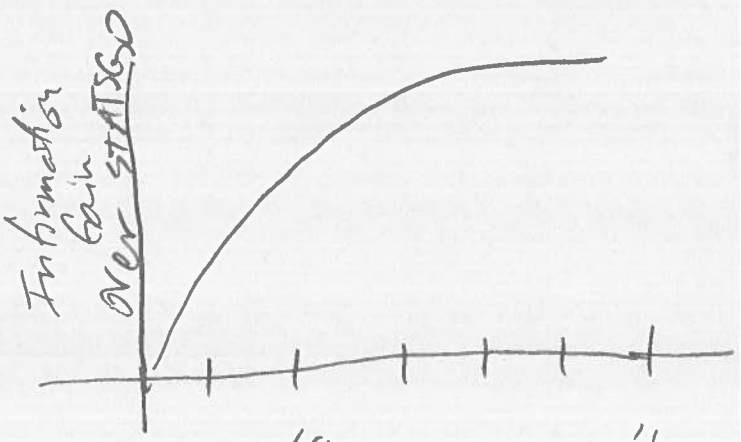
* Wheeler '78 Information Paper "It from Bit"

* Pick location

or soil taxonomy

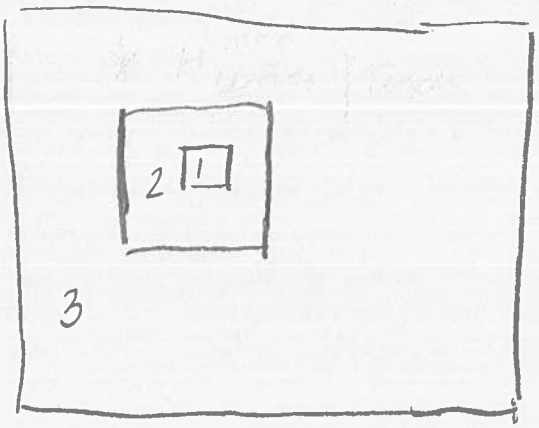
- worst-case scenario · 1 of 26k soil series
- (something between)
- STATSGO
- SSURGO
- ?

Practical boundaries



* sum H over pixels ?

*



* $H^{max}_{series|Taxa}$