

Bayesian Physics & Climate-like models

$$M(x_0, \alpha; F, D) \Rightarrow P(O | I, D_i)$$

D: (a) Kyoto

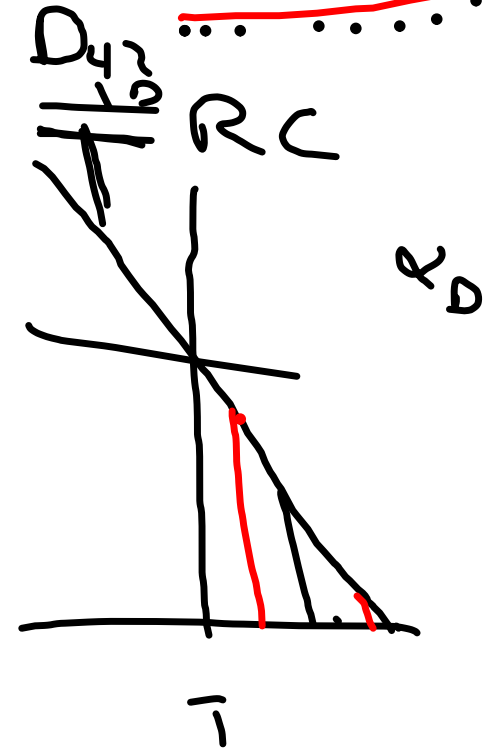
(b) Type I - Type II $\xrightarrow{I, M}$ Policy

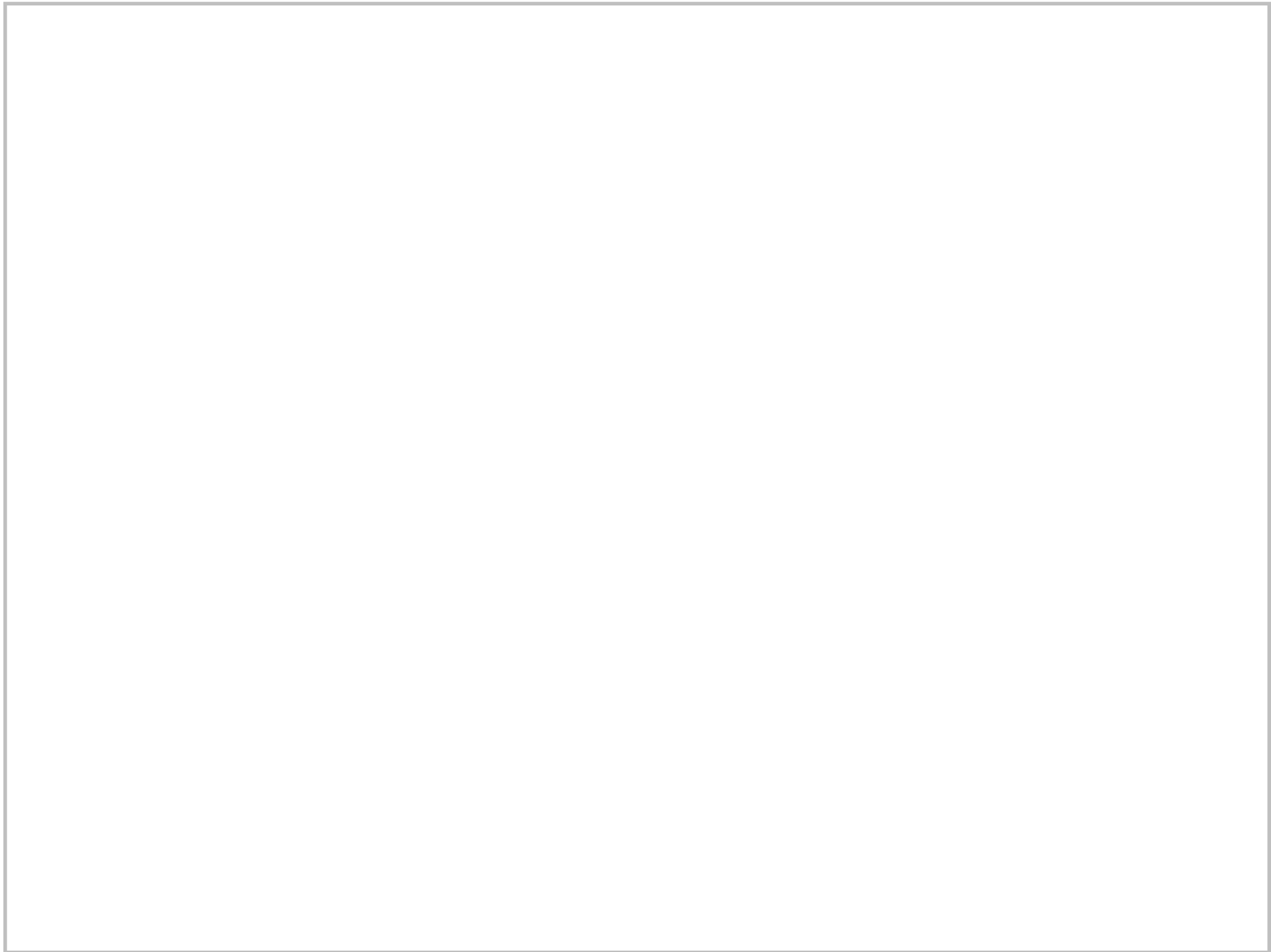
(c) Buy lot in JAX @ 1m
b2050

$$(1-a) \cancel{I} S = 4 \cancel{I} \sigma^4 T^2$$

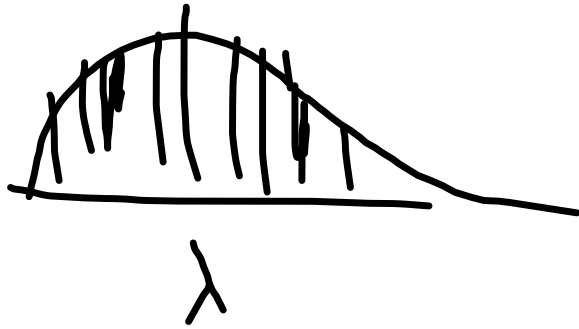
FB

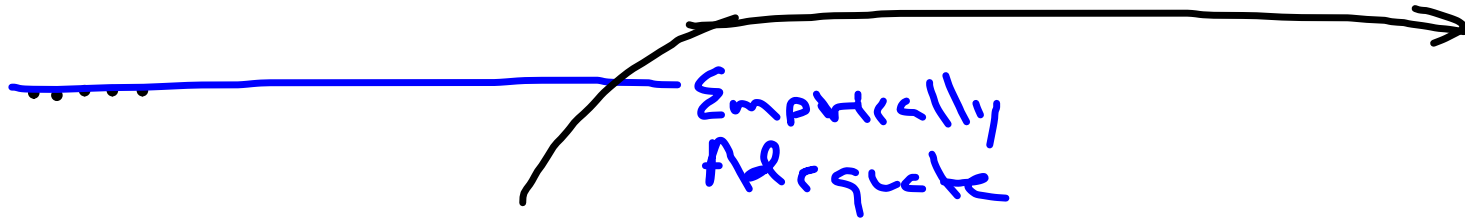
$$T = \sqrt{\frac{4 \sqrt{(1-a)S}}{4\sigma}}$$



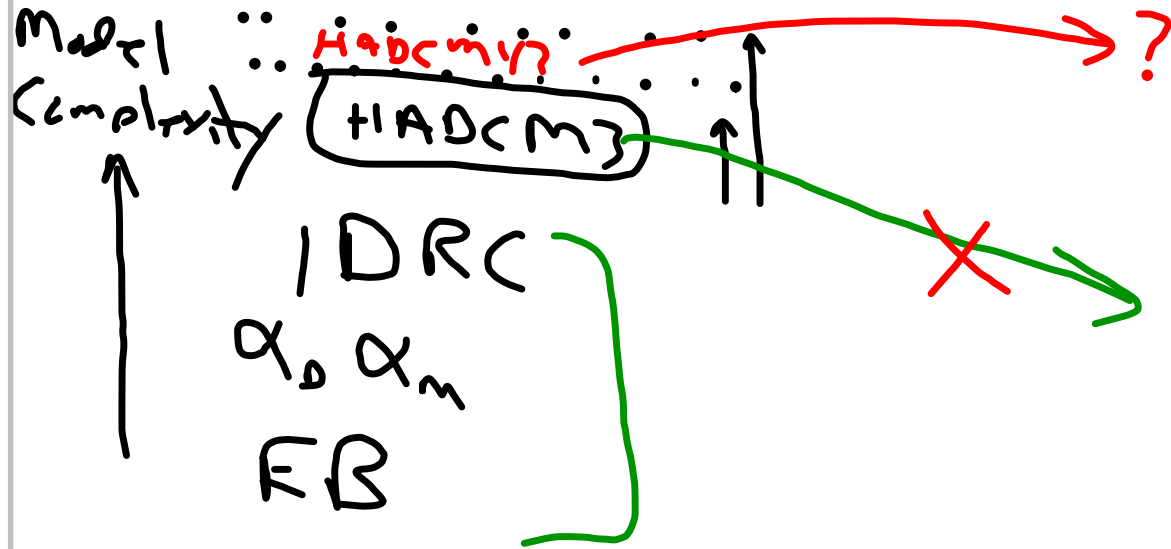


$a \quad .2 \pm 1$





GCM



$\alpha \quad \sigma \quad 4 \quad x_0 \quad S$

Parametric Uncertainty

Adequacy

$$\tilde{F}(\tilde{x})$$

$$P(x) = y + 1$$

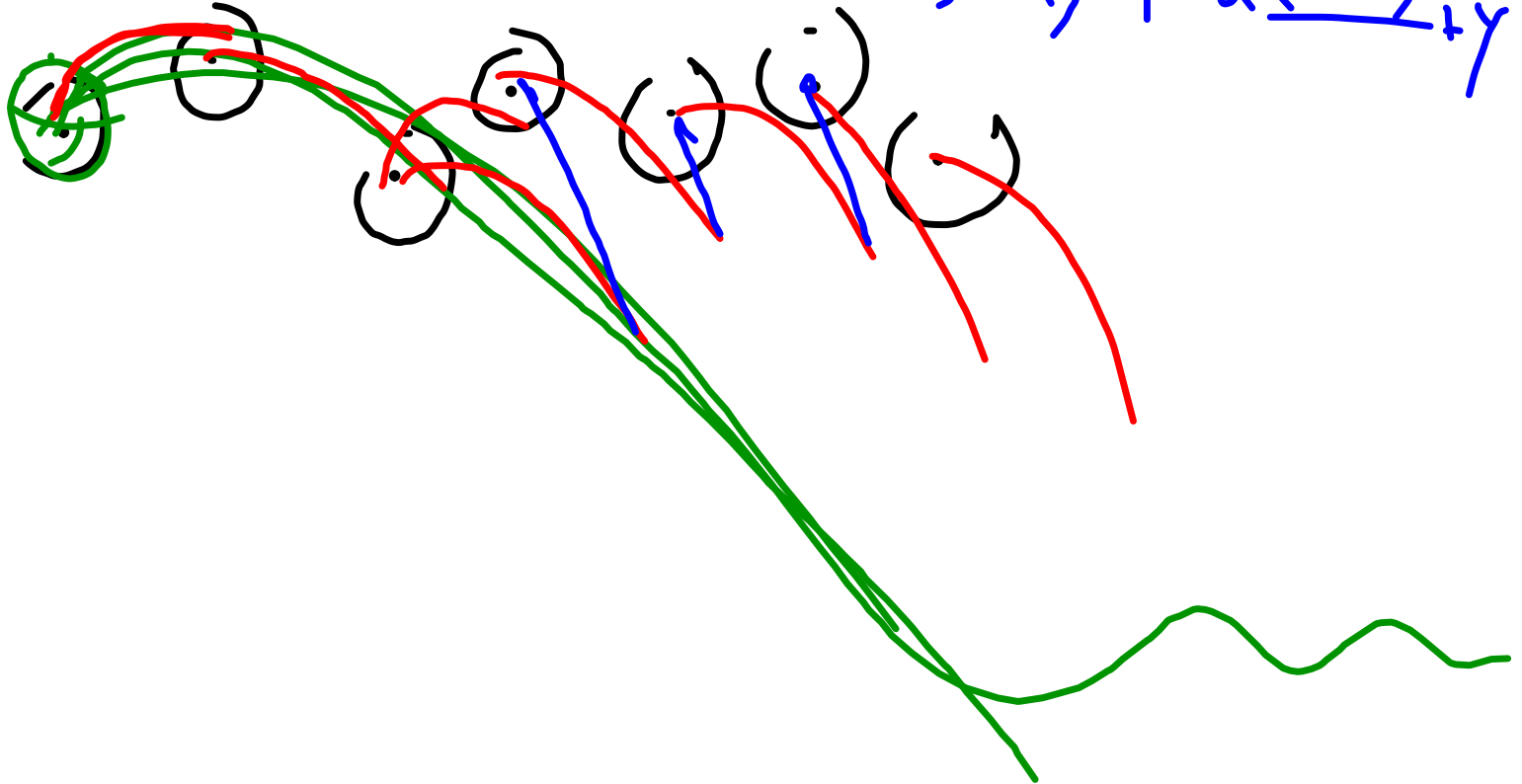
$$P^{-1}(\tilde{x} + \varepsilon)$$

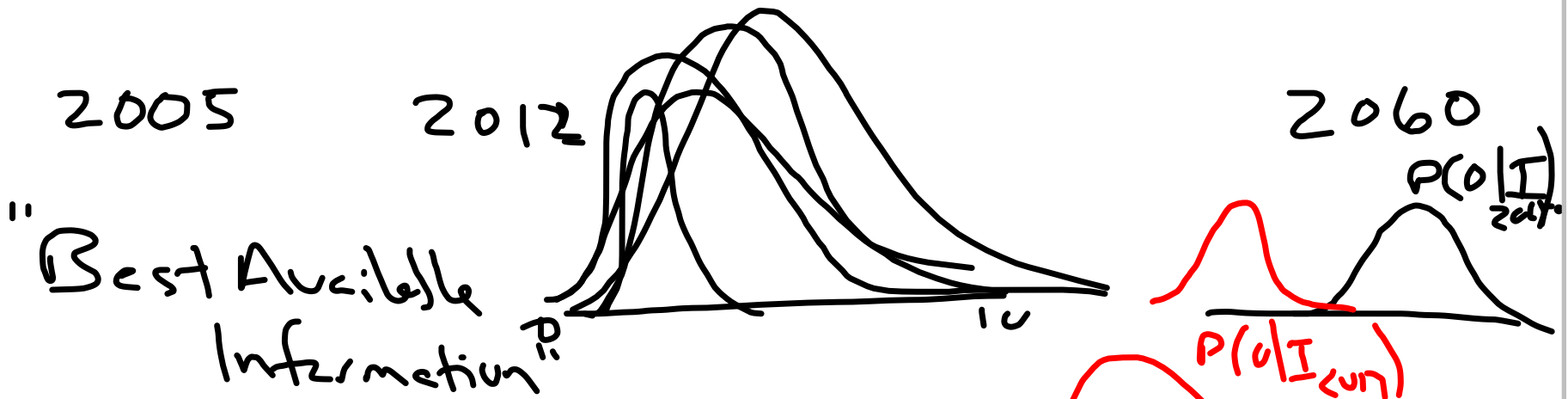
$$\left[\begin{array}{l} x \in \mathbb{R}^m \\ F \end{array} \right]$$

$$\underline{P(F)}$$

$$f(x) = 1 - ax^2 + y$$

$$\tilde{f}(\tilde{x}) = 1 - a \frac{(\sin \frac{x}{\varepsilon})^2}{\varepsilon} + y$$





$\propto T$

