470

CXOUNDERIAL

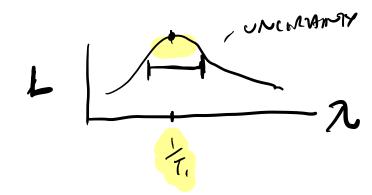
= 1/2 e- 1/2

R- PATE

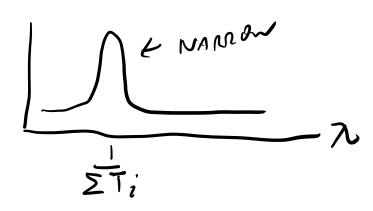
7=1-MEAN TIME

DATA T,

LIKETHOOP



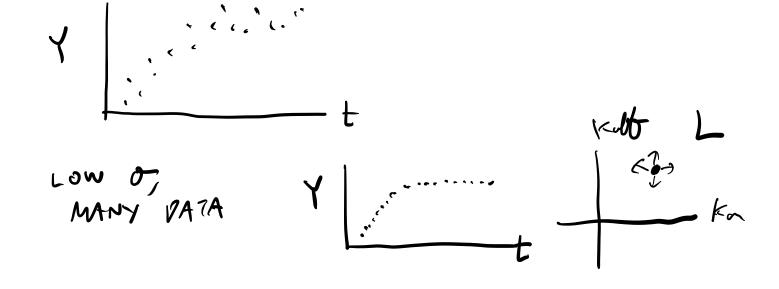
DATA T. ... TN

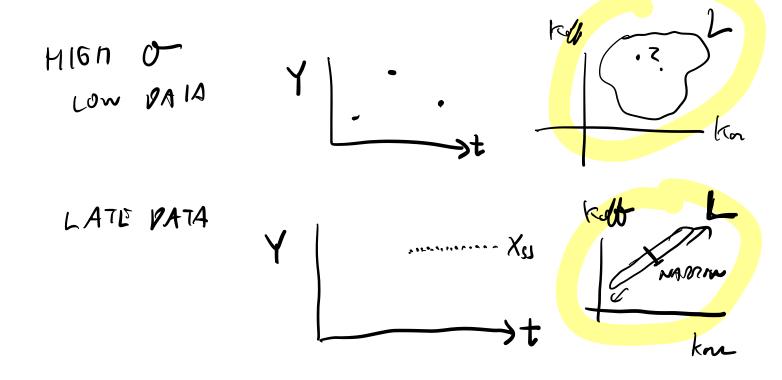


$$\frac{dX}{dt} = k_m - k_{abb}X$$

$$\chi(0) = 0$$

$$\begin{array}{l} \Rightarrow \times (t) = \frac{1}{k_{M}} \times (t) = \frac{1}{k_{$$





ISSUES WITH LIKELIHOOD LANDSCARE

- L - NOT A PROBABILITY ASINGUMON

- NO MEANY NO STOFU,

NO CONFIDENCE INTERNALS

- POEINT INTERNAL TO 1

BAYESIAN STATISTICS

PLIKELINOUS

PAMM DATA

POSTERIOR

STATISTICS

PLIKELINOUS

PRIOR

POSTERIOR

**^ . . . . .** 

$$\int P(x) dx = 1$$

$$= L(\theta) P(\theta) E$$

$$P(x)$$

$$INSTEAD OF L(\theta)$$

$$CONSIDER P(\theta|x)$$

$$EX T \sim p_{\tau}(t) = \lambda e^{-\lambda t} t > 0$$

$$IRIOR: \lambda \sim UNIFORM IN (\lambda_{MIN}, \lambda_{MAX})$$

$$LIKELIHOOD \lambda_{MIN} = \lambda_{MIN}$$

$$PRIOR = \lambda_{MIN} = \lambda_{MIN}$$

$$PRIOR = \lambda_{MIN} = \lambda_{MIN}$$

$$PRIOR = \lambda_{MIN} = \lambda_{MIN}$$

bosshuar

NOTES 1) AS MMIN > 0, 1 MAX > 00

P(NIT) = re-ri

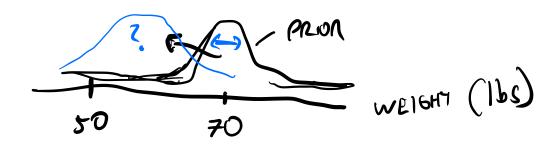
POSTERIOR IS WELL-DEFINED EVEN THOUGH PRIOR (UNIF(0,00))

DOES NOT EXIST:

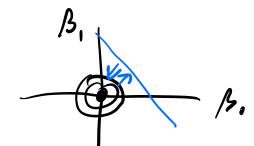
=> IRREGULAR PRIOR

20) NON-UNIFORM PRIOR

MY DOG WEIGHS 70165 VET SCALE 50 160



RIDGE: PRIOR 
$$P(B_i) = e^{-\frac{\sum B_i^2}{N}}$$



$$\rho(\beta_i) = e^{-\sum |\beta_i|}$$

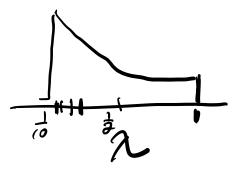
$$p_{\tau}(t) = \frac{1}{\tau}e^{-\frac{t}{\tau}}$$

PRIOR P(7) ~ UNIF

$$P_{T}(t) = \lambda e^{-\lambda t} t>0$$

$$\lambda - PANAMETER$$



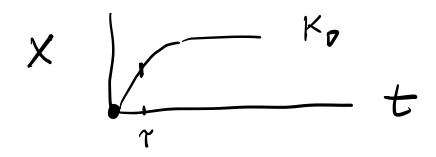


PRIOR IS NONUME IN 2

$$\frac{dx}{dt} = \frac{1}{\tau} \left( K_{\nabla} - X \right)$$

$$\frac{\chi(0) = 0}{\zeta}$$
CHRMICAL

AFRI WAY MM



$$\frac{dX}{dt} = k_m - kwX \times (0) = 0$$

TO FMO THE POSTENOR

- =) MARKOV CHAM MONTE CACLO
  - · ROBUST
  - · EFFICIENT
  - · EASY TO COPE