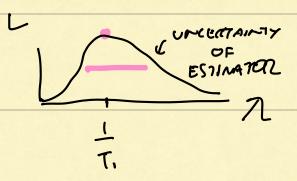
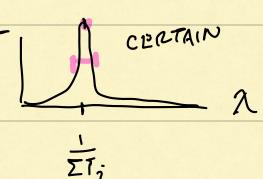
THE ENTIRE LIKETIHOOD LANDSCAPE

EXPONENTIAL 
$$= \frac{1}{7}e^{-\frac{t}{7}}$$

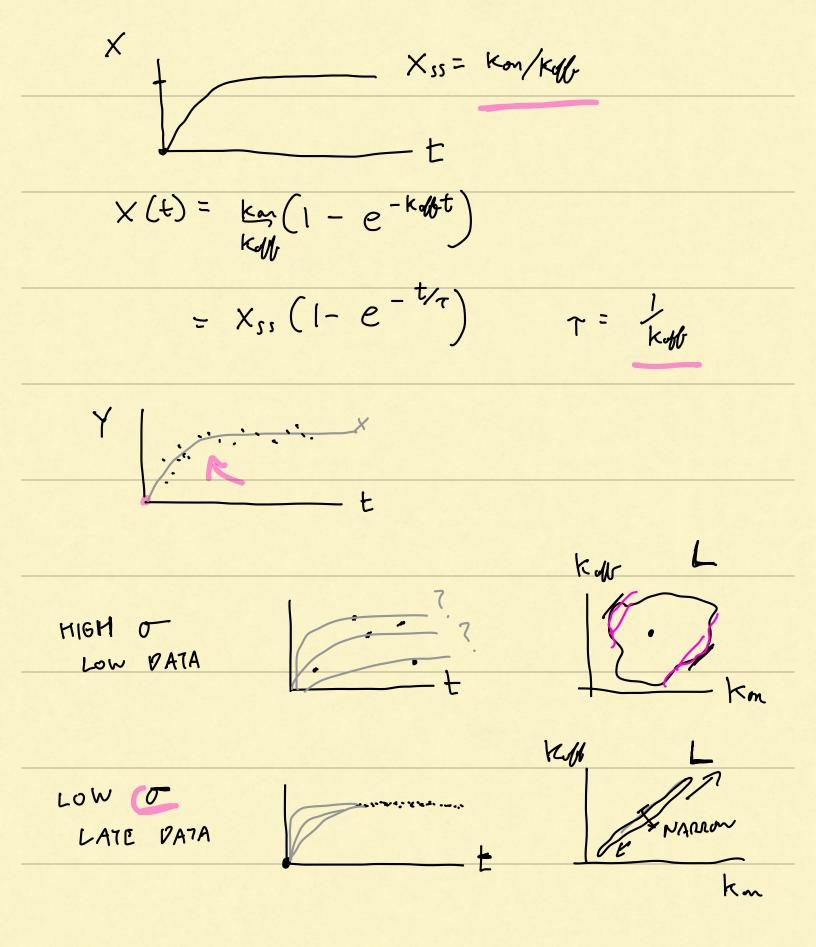
PATA T,



DATA T...TN L(2)= Tre-2Ti i=1



EX dX = kon - Kowx (



ISSUE WITH LIKELIMOOP LANDSCAPE: NOT A PROBABILITY DISTRIBUTION

- · DDES NOT INTEGRATE TO UNITY
- 'NO MEAN, NO STANLAND DEVIATION, CONFIDENCE IN TECLVALS

$$P(A|B) = P(B|A)P(A)$$
 $P(B)$ 

FOR ANY

P(x; &)=L(B) A, B

$$p(\theta \mid X) = P(x \mid \theta) p(\theta)$$

PARAMEIBAL DATA

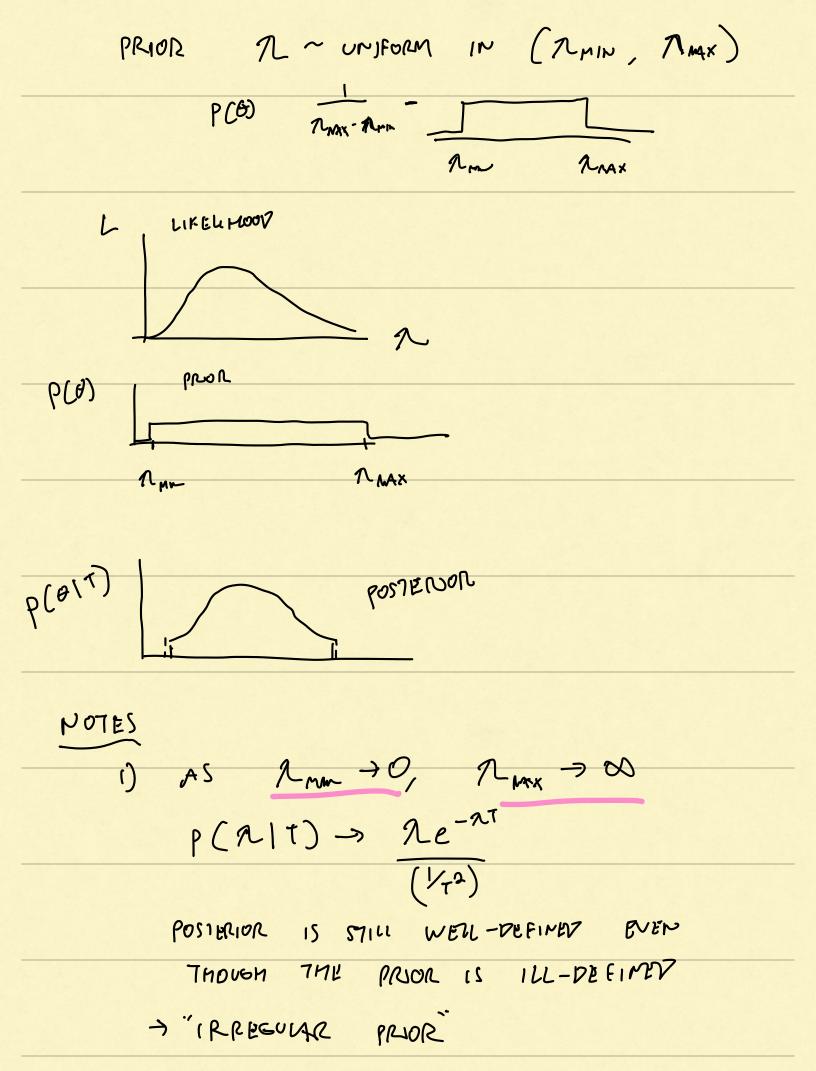
PCX) PRIOR

/P(x) dx=1

POSTELLOR

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

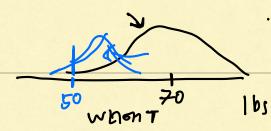
INSTEAD OF L(G), LOOK AT P(Q X)



2 NON-UNIFORM PRIORS

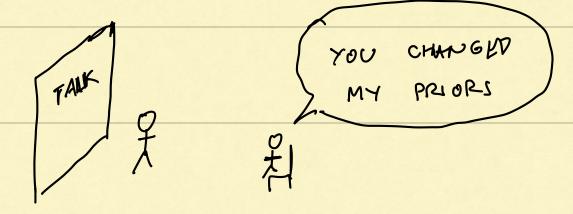
. My 000 werens 7016s

· VET SCALE : 50 lbs



PRIOR- PRIOR BERLEF

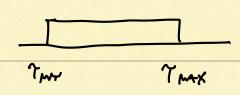
POSTERIOR - UPPATED BELIEF



$$T - EXPONENTIAL$$

$$PT(t) = \frac{1}{7}e^{-t/4}$$

7 - PARAMETER



1 - PAMMETER



