what can we say about statistically (wreture = AWA in significan + difference between 2 models?

SXLLI = I don't prefer one de theothère paran or rus
dires(ATNA) Nanton's: ench newster is (hopefully) 9 Settle model. when should I guit? well if I improves by I! my new made ish't and better also, it parameter 9hifty (Le errors on parameters then we can also buit. 9top when 2 stops chans, in g (relative-to 1) Cr parameters Stope Sanzing (relative to their errors)

Hun diregel data errors)

His choice: angols of hightell for the earship

HIZ chice: if nederal base them he heal to

figure cut/quess at them.

in simple new ld mathe events are constant an un correlated In this case, the cond laries a Surgidual as an extimate.

decision pints include: is O(i) constant)

is Loio; >-0.7

is noise asimple or complicated Sety,

 $V = \frac{2(x_5 - m_1)^2}{C_5^2}$   $V_{data}$   $V_{data} = \frac{2(x_5 - m_1)^2}{V_{data}}$   $V_{data} = V_{data} - V_{param}$   $V_{data} = V_{data} - V_{param}$ 

de ] add a parameter, Lost at By Jesins evidence

we have man-) duta prists (d-dpn)2) w/ same magn. Hun close i) average to the mann) (5/4+1,5+1,9 H) Var (d, -dere) = 0.2 Var (9+6) = Var (4) + Var (6) iff 916 are Uscorrelated. Variance ((a) = c2/ar(a) Var (cheis may Var(a)? =7  $\leq di = 7 \frac{n \operatorname{var}(di)}{n}$ + Var (with chis) D'inde parlen 5) Var(d) - Var(d) 59mp/05 I'got Var (d) from lock at variance within chain

Importance sumpling add nen litelityed: new phase spacedars; is = new -old phase space Oldphyse space is just our old chais non phis - non & . Chis (ischementy) 2) We can weight chain Sauples

4) then likelihood.
It chain didn't more too much remight stille concessed

ラ i sky (一十) Example: High Tchains
for many or error bars giantale a hight ofis PM = 0 /4t we use T=1 height auch sample b) -52% (H-4) To large, he scale down det Loger chain re rant all of 9 sullers lessest isot, lets 4 probe man Jo gut he heer to handle correctly ne hom in High chais \_ 5x2/2 \_ 5x4/2 / 5x2/2/ P, 4 c-2x2/27 => 14 +ruth 2 e / e 5x2/2/ T=1

Correlated Noise realizations Choloshes de comp PD matrice A is LLT = A, Listiansular