n. 15 ~ Poisson (A,S) T.(5): 4 Tiste inpenation Likelisas Surey 1

02 | m ~ Binemial (M, P) m | S ~ Peissen (A25) Jefestes # ster actul # sters

Servey 2

(B) <-- (S)

pressing. 8 (n 15) = > P(m | m) P(m 15) - Ling 54-9 (22) "-12 P (1-p) "-12 A2) "-45

(C1-P) A25) where 1 = 1 - 1/2 (A185) ne - A185 (Azps)" = -Azs 02.1

ip A2P>A1 2 setter tr. 1 Iz (5) = Arp nols ~ Poisson (ArPS)

what can we do? nee P(Q, |x) = f(x(Q)) or (Q) P(Q(z) Haviny found Bayesien pustorier

Schneig Statistics

mean 0= 1±0.2

Henish

usepul of nuisance peacers, which we don't (of By the n-dimension percons.

Marginal distriblions

erg. peces Q, 1-dim

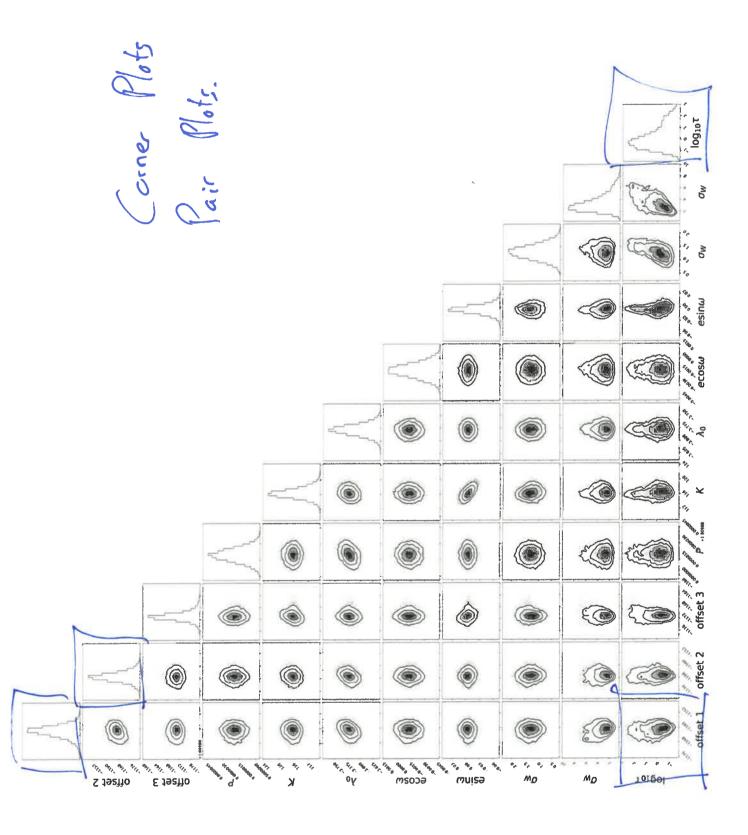
1-din mayin pusterier |-din mayin pusterier

2-din raginal posterier

2-din raginal posterier

\$(8,00 | x) = \$100 \$100 ... \$100 \$(8,1x)\$ e.g. O. o. Or

or Maginal Likelibul. 2 = p(x) - exidence what hopped if we mayinalize one all a powerms?



Say we are interested in B.

Point Estimate

what is soot great for B. ?

Mean

(B) = E[a,] = (d,g, B, Rg(x)

= (20, 0, P(0, 1x)

. MAP Qu

(mode)

38h P(B, (x) = 18 = N This shall to calculated gran

full nodim posterior.

· Median up the (-I many dists.

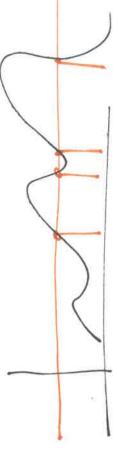
" errer har "

narrowst passible aredible interest.
DRAWBACKS

. not inspice

. at inverted inter the change of persons

higher desiry region



· (in I den) equal-tailed.

