and Or Voi) Lee 7 2/21/18 Month 34) Yeskinhis ne level the for 7 = iib bermille 8/x Bets (Estati, 4-Estat) we sum before for X, ... & for 7 = beautile; only de sun is only be sum of the x's proposed. Lex's Reall from And 271: Consider Stook 7 = bromp X2 Brom (4,0) := (4) 8x (8) 4-x P(O(x) = P(x|o) P(o) = (x) P(x|o) P(o) = (x+1, h-x+1) P(O(x) = P(x|o) P(o) = (x+1, h-x+1)les 0 ~ U(61) 7 4=10, x=7

Olx 2 Ben (8, 4) 7 h=10, x=7 Omap = 2-1 = 8-1 = 7 = 0.7 When about the gauge OIX? F(0) = = = 0.5 FOIX] = = = 0.66 Tulis Hi? Prior pen!! Who above the median OIX? gben (0.5, 8,4) ~ 0.676 Pred [81x] .. no close form in R.

Three biffers very of pt. estrusion.

Once = myuno(POIX) = mode(DIX)

Onno = myuno(POIX) > poster rock

Onno = EDIX | poster experien/men

Onno = med (DIX) | poster redim tums ont... I muse munne spand ense loss MAR MINNE als eve los agn E 8-8mil We will be many 111 3. Default is France = FOIX] by get! No real to compare P(X)!

Nen iden... punsty...

On V(0,1) = Best (1,1)

Wy me Ber

On bean (a,B)

When I chan & B the reflect my prior information!
Forger han I chan & B for non...

Keep 7 = bironor out let's see what happen!

=
$$B(x+\alpha, n-x+\beta)$$
 $B^{x+\alpha-1}(1-0)$ $A^{x+\alpha-1}(1-0)$ $A^{x+\alpha-1}(1-0)$ = Bean $(x+\alpha, n-x+\beta)$

Pohlum pt Cohumina

Non lets 45h the gresson . The best X* who is is door? h#=1 (ore smil)

he kom it mar de Benulli que Syp(X) = {0,13 Reveall: $P(X^*|X) = \int P(X^*|O) P(O|X) dO$ sme as $f(x|z) = \int f(x,y|z) dy$ 0 w(0)) x= B=1 f(xly,z) f(xlz) WABER(O) Draw our man, um &'s (prop. to how likely Here D's gre after soing de dann) are any oten (1-0) 1-x0 (1-0) 1-x0 (1-0) 1-x0 10 = B(x0+x+x, -x++++x+) this is the grow. but he my so mice it as Q(x+a, 4-x+B) Rall. $\beta(x^{\bullet}=1 \mid x) = \frac{\beta(1+x+\alpha, 1-x+\beta)}{\beta(x+\alpha, 1-x+\beta)} = \frac{\beta(1+x+\alpha) \beta(1-x+\beta)}{\beta(x+\alpha, 1-x+\beta)}$ [(x+) = x (x) [(x+a) [(n-x+B) [n+x+B) => Xª | X ~ Bern (X+X) by dole his note sens? He my of my day greenze will be the

Lets take a look at the postern agun Ben (a,B) -> Ben (a +x, b+4-x) dran dem dem successes") (ARA feelins")

X18 ae Denlas !! X1B ar psendocons 11 Conjugate prior paraexess how interpretations as pseudodora. They are as if you've seen dath before! => as if your sen &= 1 suces frames 0 2 Vel) = len (1) Pel 1111. B=1 Loulene prementy On (61) is 407 devoit of informer. The pringle of relifference is a Stockment about a belief! E(Q) = = = = 0.5 => Van believe the par pm Theesenty i could more 0.5 the prior expertmen OMME = FOIX) = X+X 4+X+B. AL EO) al EOIX) where ??

(16) Prediction for survey (for 3) Conf. Hund for 0