DATE I SUBJECT: $\frac{k}{2} = \sum_{i=1}^{n} \left(\frac{1}{2} \frac$ => E E 7: W; (X) + nB(X) = n'T(X) + K Le disid table sides location ju per cluster is interior of miles de . interior كرد والله الله الله الله والمرات عبات كر برابر و فواه بود. الع بدان مفات و کامی ماند و مفاور کو طار وید افاد ی الم يَوْ الْمُ اللَّهُ اللَّاللَّا اللَّهُ اللَّهُ اللَّهُ اللَّهُ الللَّهُ اللَّهُ اللَّهُ ال

 $p(x,z;\theta)=(\pi p_{x}(1-p_{x})^{2})^{2}((1-n)p_{x}^{2}(1-p_{x})^{2})^{2}$ In Le (0) = E (2, Ein(n) + x; In(p,) + (1x;) In(1-p,)) + (1-2i) [In(1-n) + xi In(P3) + (1-xi) In(1-P3)]) 0= Bln Lc(0) m (1-2i)(xi - 1-xi)
8Pb 1-Pb $\hat{P} = \frac{\tilde{Z}((1-z_i)x_i)}{\tilde{Z}(1-z_i)}$ 0. Dlnl(0) = (2i 1-2i) $\Rightarrow \frac{A}{m} = \frac{\sum_{i=1}^{m} 2_{i}}{m}$ O: Bluke(Q) & zi (xi 1-ni) => Pr Zi (Zixi)

Bpr in Pr 1-pr Zi

P(2ic1 | Xi = ni ; 0) = P(Xi=xi | Zi=1,0)p(2i=110) np, (1-pr) пр, (1-рг) + (1-п) р (1-рь) 1-ж; Atal Eist ti Atri Cici (Yi Ni)