· Because Know completely non faramolue, we can occept this approach to domerate LDA and logistic regression when the boundary is highly non-linear, provided in is very large and trotoger us robited biles as also timed and true, clama as a related evident lebom regues besilonenes notacinger notaces - siteritinaup ron siterilary relien if notice Pousson distribution Pr(4=h) = e 1/h gar h=0,1,5... used to modal caunt.

A = E(1)=Var(1) 1=E(1)=Von(1) we want the mean to wary as function of the covariates 1=E14)=>1×1,--xp) The column and same the maximum almost and Q(x) = Q(x) =1=(413 in agrade a Atius lestois occas ai time snoped gr in easeson no: noile tempetant by a factor of expl By) phonone or alebom beginner Linear, loquitic and poussion regression share common characteristic 4 biber of at ... 1x salle -> Canditionnal on X1, .. xp, Y belong to a family -> logistic: Berraullic Son Dunear: E 141x1,-xp) = PotB1x1+.. Bpxp can be expressed Qoqudic: $P_1 = P_2 + P_3 + P_4 + P_4 + P_5 + P_6 + P$ M =) = @ B3+B1x,+--- Bpxp to E141x1,...xp) 20th is norm be muchant is einear (E(41x)--4p)) - B+B, x, +-B+4p

einear de logistic

n(u)=er

n(u)=cu)

n(u)= log | 1 - u)

n(u)= log | 1 - u) m(M)=le The gaussian, bernaulli, passon distribution are all members of a wider class of distribution, known as the opponential family labor include,

exponential, gamma, negativo euromials. In general, us can performa regression by modeling the response Y as coming from a farticular member and the bransforming the mean so that the transformed means einear function of the prediction.

Mesampling methods * soitulate nong a Atiu be tois as a corre test all stanulas of beau ed no milebillou asors. Je cause of the alac of in ader to evaluate its ferfamone, arto sold the appoints level of themselves belown in the constraint of the measure along (noitedex leleom) ptilidiself albinan phlyin starious -(V > 00 1) reldoison acor true-eno-enos. 1. CVIM) = 1 EMSe. -, Obsa bias, no randomness in the training nolidation solated of ritiga: 6907- to _____ &=3 good one are &=sarto -, good for ooc nariance (compared To LooeV) The Bootrap is a widely applicable melhod that can be used to quantify the uncertainty. associated with a guien estimater ar statistical learning method. Rather than rejectedly to also milar moters bostans ous, notaling at most toe state trabnagative grinnettes by repeated sampling observation (with replacement) from the original datasal 065 34 -> 241 240 -> 241