37 given $f(y;0) = \frac{3y^2}{9^3}$ with Oc (0,0) endy c[0,0]

let, we have a destaset of n points J.J. y. Jn.

The likelihood function for this is L(0). $L(0) = \frac{\gamma}{11} \frac{3y_1^2}{0^2} = \left(\frac{3^{\gamma}}{0^{3\gamma}}\right) \frac{\gamma}{1} \frac{y_1^2}{1}$

now to find maximum likelihood estimate for D we need to find out D for which L(0) maximises New it is given y c [0,0]

So, we need small & such that above condition is satisfied, which is only possible for

[Q = max{yi} i=1,2,3...n]