```
3. 8.1 -> Expanded fourth
      ع المعاملة عدد الماليان المعال (30)
                                                                                                                                                                                                                                             f(x/0): 6x , x >0
                                                               = ene { In ( 1 ... > ) }
Inn
              3.9.2 - Mobil Framework
                         A rouge of linear compenses.
                                                      THE IT YOU GRANDER = SLAS = A liberth) is not possible ble 2 th lower be copyet
           3.8.3- Person ter estime Non
          -, all birth blow until my footsom response to fine known
                                                                                     9(A) = A(A) = B++ F+X
                                        -greated of scoring se used to estimate to Contactions
                                                                                      \hat{\beta}^{(1)} = \begin{bmatrix} a_1 \\ a_2 \end{bmatrix} \quad \mu^{(1)} = \begin{bmatrix} -b_1 & 10b \\ -ug_1 & 23c \end{bmatrix} \qquad \hat{\tau}^{(1)} = \begin{bmatrix} -22.10b & 340.772 \\ 540.272 & u_1 & v_2 & v_3 \end{bmatrix} 
                                         -y collecte estimate for the ten men respon
                                           $ (1) (11) (11) (11) = (exert > = (-0.2244) (0.2201)
                                     -> L(A) = : X pm = 0. 769
                                                                     = 1 : e *** : 0.151
            -7 (02) Sivily blow und of Possin response t like Knellow
                                                                                          9(A) = A(A) = For Fox
                                              n Estimuto B -1 tucs
                                                                                      \mathbf{x} = \begin{bmatrix} 1 & 1 \\ 1 & 3 \\ 1 & 5 \\ 1 & 2 \end{bmatrix} \quad \mathbf{y} = \begin{bmatrix} 2 \\ 1 \\ 3 \\ 4 \end{bmatrix}
                                                                                            (x' w ""x) " = [ = (0.4750 -0.0183 ]
                                                                                             x 1 w 11) & (1) = \[ \begin{pmatrix} 10, 2373 \\ 47,273 \end{pmatrix} \]
                                              -> Estimate de , the mean response for the thorse alconorme
                                                ع الانعاد ((x' لا x) (") - ' x' لا و")
                                                - In ( A) = x p( ) = 0.1 705
                                                                                 =7 1= e 0.8705 = 2.818
          > Q3) -> Sough of losses: les, 400, 800, 1000
                                                           b of scoring sporting -/ Bi
                            J. 8(2-1)
                                                                                                                                            7 5= -Elu')
                                                                                                                                                     \int_{-\infty}^{\infty} \frac{1}{2\pi i} \int_{-\infty}^{\infty} \frac{1}{2\pi i
                                                                                                                                                      = -\left[\left(\frac{-2h}{6} + \frac{\pi}{6}\right)\right]= -\left(\frac{-2h}{6} + \frac{h}{6}\right)
                          3.8.4 -> Numical results
                  (۱) مy~ Eq
                                                                                                                                                                                                                                                                                        Bass = Essturated wodel
                                        a find deviance of a
                                                                                                                                                                                             /W= Ke-4x
                                         - ) = > [ 8- / Lage) - A- (A)]
                                                                                                                                                                                                   1 = cu & m(x) - kr. }
                                                  = 2[ { [ ] [ ] - { } [ ] }
                                                                                                                                                                                             1(A) = 8(1-141-144)
                                                                                 -[{&(&)_ {&x;}}
                                                                                                                                                                                                 1 = 2 AIN - EXX
                                                       2 ( ( ) - 1 2 2
                                                                                    (松(声) - 好加)
                                                         ه د ۱۱۰ ماه
۱۳۰۰ ماه ماه ماه ماه
                                           devianu residuel = 1 Di
            Q2)
                                                                                                                                               ( in sombol tem or 2[1-16mm)-100)]
                                         Pearson residual = Tily = Annot - padro
     ~ O3)
                                                                                                                                                                            4:67: ~ 64(1)
 3.4.5- Interence
                                                                                                                                                                            LIN: The LY:
                                                                        11 2000)
                                                                                                                                                                                           . Thie sair
                                                                          (15)
                                                                                    000613
                                                                            we statestic, but for Full & policed unders
                                                                 Ly "Devience" Devime
                                                        > Devience open F
> [8. | $\land | - \land | \
                                        = 2 ( 6 6 ( A) - 6 Ax
                                                                          -[ { 6 ( ha) - hubi]}
                                                     2 ( 1 ( ) - ( ) / ( )
                                                                            (Y/a(=) - = 5 5 xx }
                                                                                  -@3
                               Normal 31m w/ Then thy wen = MLR
```

broud devame = SEE