

```
VODNIK (1963)
        H: OLD WIN
                                           { n SHE + 1110112}
            were, bea
                                                average .
                    1
                                                                           the wordin ..
                                              ningeerior
                   * P*) "WININISE GLE
                                            distorce "
             MUDEIS Y?
                  HABEL DOWNGHEL (YOU SEEDLY)
                    g=ACID, HE, X)
               y coustons to those out portion
                   the two considerations
                    y high: wordin were imposed
                    y 10m; such wick important
          notivides (mither x, intermetal)
                 go(x) = mode(y)
        = EA,B,C, .... 3
Non: g.cx) = mode cy)
      go fonction that Finals closest it and realises yo
               g(x*)=Y( s*. 2=09mm 2d(x2, x*))
                                                                                                                                                                    Regression Hypothesis set For
                                                                         ¿· ¿1,2 ... n 3 d: nyperforction
                recreet neighbor
                                                                                                                                                                             > PEOHUES
         USCOMY d= 11 x2 - x 112 = \( \frac{1}{2} (\text{K(j - Kj)})^2 \)
                                                                                                                                                                                                             : BERPHIZ
    H: KNN (,K UGUEST UNALIDOLZ) (K 12 O'NABEL BOLOWERS)
          FOR K PUND KE CIT! XC(2) ... XC(K) WORDSE OND LEE & SMOUDSE OND LE
                                                                                                                                                                    mo +w/K/+ "mp x0
                                                                                                                                                                   set of all linear models
                                                                                                                                                                                             9LX11
 let y = R 15. a continuos response
mose mosas crecalled the regression model
(historical ecosas crity) regression model
                                                                                                                                                          IF Pal
                                                                                                                                                                                                 n*(x); ID
                                                                                                                                                                                                       g(x1) will approach
                                                                                                                                                                                                             NACKS OF SO CINEWAY)
                                                                                                                                                     4: CABURE ( 5 (AC - (MO+MIX) "+MDXD))
        Y= 9+(h*-9)+(f-h*)+(t-f)
                                                                                                                                                      1803+ SQUARY REGIRESION $
                                                                                                                                                               SSE (SUM OF SOLUTION ENOT)
                    h *(x) = Bo+B1K1+111+BpKp + best possible
                                                                                                 w, valves
                           V = B0+B1×1+111 B0 xp+ 8
                                                                                                                                                  1= P=1
                                                                                                                                                        SSE = E ( ye - wo - w , x , ) 2
                                                                                                                                                                      2 yc2+ wo2+w12x2-2ycwo-2y1w1xc+
                                                                                                                                                                                                                  Zwow, Xc
                                                                                                                                                           duo [SSE] =0
                                                                                                                                                                 2 nuo - 2 nv + 2 nw x = 0
                                                                                                                                                                       wo - Y + w, X =0
                                                                                                                                                                               60 = y-w, X
                                                                                                                                                           dw [556] 20
                                                                                                                                                                        Zw1 2 x12 - 22 x1y1 + 2won x = 0
                                                                                                                                                                             15 = EXIVIT NXY
                                                                                                                                                                                                5 x12+1 x2
```