```
SST = Z(y-y)^2 k^2 = \frac{1-cse}{ssT} = \frac{ssr}{ssT}

SSE = Z(y-y)^2 Adj R^2 = \frac{1-(sse)(n-p-i)}{(sst(n-i))}
         f stechstic = (SSP/P) (SSE /n-P-1) = (P2/P)/(1-P2)/(n-P-1)
          n= number of dos p= number of variables
mpang two F= (R2-R13)/(P2-P1)
                    (1-R22)(1-P2-1)
models
                                                        Lineal-Logmodo.
        Linear - Linear Model
                                                         4=bo+bitlage (x)
         Price = bo + bi lotsize
                                                       for 1% Tink, y change by bif101
        Ac lot sizen, y changes by b, units
                                                  log Log Model log(X)
        Log Linear Model
log (frice) = bo+b, lotsize
for juni 1 x, by change to bix 100
                                                 for 1% Tin X, y changes by bi
        2: I odds means the event is twice likely to happen
                                                              = P
(1-P)
           Odds for = Probablity thatevent will happen
                      Probabling that event will notherpen
            g= odds tor
                  1+ adds for -
        Logistic function P(n) = ebothix = enp(bothix)/[It enp(bothix)]
             1-P(x)= 1/[1+exp(60+6,x)]
                                                          longueron Makera
                                                                Predected Vala
             Logit(P) = log (P/(i-P))=bo+bix
                                               noBrelle
         Sensitivity- TP+FN
                                                              FN
                                                                            TP
                                        Precision = P(y-1/9=1) = TP
          Specificity = TN TN+FP
         false Positive Rate = FP ACCUARY = TP+TN
TP+FP+TN+FN
         ThyE I Error = FP Unceasing Luttoff declases Type I Error)
         TYEL 2 Error = FN (Deceasing Cutoff deceases Typz 11 Emor)
```