Cross - Industry

o Chish - DW

1. Crisp - DM

cross-industry standard process

for data mining

Step I. understand purpose of the data mining study

step 2. understand data.

data Transformation { Normalize data
Discretize aggregate data
Construct new attributes

data reduction of reduce number of varibles
reduce number of cases
balance.

step 4 - model building

Step 5 - testing & evaluation

∫ regression →偏差值 Classification → 离群率 other evaluation

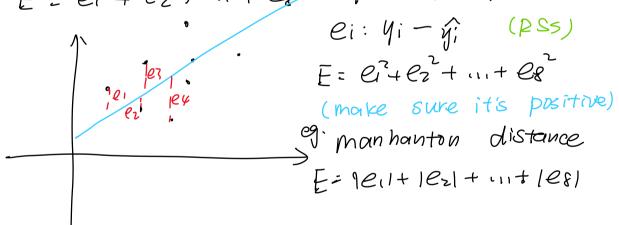
Step 6 - deployment

Simple Linear Regression

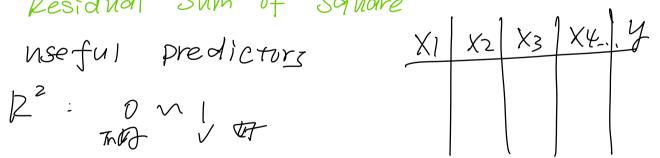
YS BO + BIX >> Sales & BO + BITV

Training Data

 $E = e^2 + e^2 + \dots + e^2$ (square errors)



Residual Sum of Square



F-STATISTICS

光融额(平大生)、超八千八越相关

Prob: (F-Statistic): 1-47e-17

MSE: Mean Square

= degrees-of-freedom isi (yi-fixi)

cading SCHEME (genoler...)

gender <u>numeric</u> f o

Ethnicity numeric Scaucosian o Asian 1 x African American 2