This is welled model selection by oosenor. This is gle such neshood Other medbouls ar analytical! is show rely on stratistic / prob. models - we doing tolk where shope! AIC, BIG, Gp, exc.... probably now get to it this senator Midem 2 ON FINAL There is on extra step in ralidarian that is usually caployed. Repender before vacamion he was looking not one model Vandon 80% /20% splir of a demanna Galacky " spler? e.g. Ill the 'nested! desentions in Deser Sym estimate is much higher them it should be 9/1 the hord" ", Doming = Variance ) your error is much low in the asture of furne perference

Cross Validaria (CV) Edwar ? D 804 Dom 1 84. 0 Dom 2 201.

201. Dom 2 201.

801. Worr, each observer is in the Dear once. Provocal: Still: myke Hove 5 splis were idiosperme O fin gr = A (24, Darm, K) => repune K-fold W. B) Sque  $\hat{y}_{K} = g_{K} (X_{tot,K})$ Begins 1-2 for each bill  $\hat{y}_{K} = \hat{y}_{K}$ Vertilly

Vertilly do de whole practice may than Since each obs. represent 3) Conque oose= enor (1, /w) Not depelant on a splic horn El) (V glus you a low insince estimate of Lettre performer. How to chance K? Let's see who hopens with different value of K No Thury Estims to pick open value = Open problem: in start!! K=2 50% +rim, 50% +est Give I have 50% sees . I get a very nice essents of error bord on a model whoth has more est, even! den he died model K:5 80% + mm, 20% +cm Colone Levers est, even fg Totally random est, of crewn lease one one CV"
(COOCV) ess, aron of oose but a model with low cos, error

Josephy Validine Sough y sons from D "oob" with replant valide on oob" CV for model selection "by" For Hu 1 D tran Protocol Delect Dest O for each gover loop. (Kan) @ spe chely enter rapid Je to Ants There are two CV loops how! (3) In each mento p (kg) 9 A Biket R(25, Domin, Kito) erg K=5
2 Innor K (ki)
2 3 4 (2) longer Sirki, Ko Sigh Delas, Kisko) 3 Report 1-2 for 9/1 models j & {1,.., m} A Report 1-8 for all ihrer Lolds Kicfin, 5} (5) Concaronate  $\hat{\hat{y}}_{j,\kappa_0} = \begin{bmatrix} \hat{y}_{j,l,\kappa_0} \\ \hat{y}_{j,5,\kappa_0} \end{bmatrix}$ @ Select best Model Jko 1 min { 005 e J. 40 ... 005 en 160} @ Report 1-6 An Ko & ( .. 5) (3) get \$ = | 90%.17 PEGAME 20050 = enor  $(\vec{3}, \vec{7})$ TO FOR Papar Styps 1-6 to build furt under of mithous DEST. (and inter