

Can be a large number of Lems in rulefir foreborn May bypo of peralty can be used - Jums of abbolion value of confficient - losso · Sum of Syrung of coefficients - 17dg regions · Big creq - P = n number of containous variable to be included as linear terms - becamed of outliers -Mis be number of trees. - K = ZM 2x (Jm-1) Well number of rus - In 11 number of Lemmal nate for been THE SIZE Imported to consider.

2 terminal node only consider on factor > no intractions. + to copie inicoun need larger five trees - For 2-way interested + need 4 tempor nated - We trees of verying size - Wumper of bernmal node is a random variance + tm = 2 + F/(y) Whe  $\gamma$  i) drawn from an exponential dist even  $P(1) = \frac{e_{10}(-\gamma)(\overline{L}z)}{(\overline{L}-z)}$ - FI(4) is the lugeth integer less than or equal to a - (I-2) is the average number of terminal notal for times in entering (I 7/2) +I = 2 the entire entembe will have just 2 terminal mades For I=3 tm=2+f1(7) When of drawn from exponential dillution over probability Exprantial Dunban with man of 1

0/04/16 DA - RUEFIL Linear Terms - Windows the liner com Replace the top and lower perentral with the rest higher a lower cours Typical vold for percond a 25% Can remove author I.e. asign the top 25% of observed value oil to be 97.5 perentile value (similar for the power 2.5%) Spurious Intraction - authors may auce probant - Mury Spurious interaction may occur especially it verities on highly completed - Place on mentine for fewer vorubils entering puth. - Chose Split with maximum improvement zi splicing on xi - Adjust the bo k; 2, when k; =1 it x; had not been used in this brown before - Othermy ki = k(71) - Dis courage highly correlated wrahes from appearing in the same value Spuried Relativing-man's idotally in which two event a variable hope no direct could connected, yet it muy be wrongly identified that they do We A I point, B is obtained (A court B) Where B is present, A 15 observed (B could A) OR When ( is podent, Both A and B are obtained (c could both A and B) In the lost cap trace is a spirite relationship between Acris B. In a register most where A is registed in B but C is actually the true casial factor of A.

Important or any predictor in a linear model is the absolute value of corresponding Standardial predictive For raw this RIX = I ax 1 - V Su (1-54) - Anough of 13 If it has a, would the proportion where sin = to Zin Fr (xi) For liner item this 1; = 1 B; I sta (1; (xx)) where sed (15 (x;1) is the stooded denotes of (15 (x;1)) our data Poloton importance here -nearly contrilling for ollo vorotos in ef Local Meake of Importance -Local meane of importance for each point x as the obsolve change in predictor when bern is removal from the extensive - For the tree put RIN(x) = | ân | x ((rn(x)-In)) For the linear gradictory 1) = 18;1 = [1; (xi) - T;1 - Where Is is the mean of 15 (xs) over bruinny M - Sn - " the Support of that rule" - The thro can be combined. JI(X) = 1/11 + ZXIERY RINK) MU - 1 its) is the importance of the linear gradiety - Second term Sund on the importance of the rule during by the total number as t mpul writed in the rule - Con also be overget over any Juliar of de input space Interactions -Long for various which are involved in an intraction - Compare the to what you would expect for to interactions present Reference deliminary is compared compared vary a poststop method For each voring ignited, land to be which worth or various interest with Con both for 2-may or 3 may interaction - append on size of thee - if you ory has a sum will get no introdu

Readilla method which combined the prediction) of a large number of Simple maked. The Predictive power of last rules is combined in a regularist regression To done rule) - log number of care bed gruen Along with these rules, each predict variable is also added to ensemble - 60 account for any lower dimension within the data that tray or poor at approximeting Chos validator error-indicals how well a meal will growth to an indeposit to these RELIGIOUS A K-fold cos lot bech whe crynol done is spir into the Subject · A single subject to kept to validate a model built from remaining in some \* Repeated with each subset taking a tern at validation, so that the find mall may be a continuor of the 1/2 makes. · By buildy on expected one you have bed privers, one con extends have well a model wall generally is on indipendent data set.