THOOLE SCOND STRUNG LIMENTING REGRESIJE (JEONA WEATHA WAR: JARLA) m- SEOJ PRATAKA 1- WEATHA VARITABLE MOSEL FUNCTION Y- IZLAZIVA VAKIJACIA CILL PROPRE EVALUATE LOUR , ROLL = 80+8, X TO 110)=1 = (40-400) -100 (PECUO CLOD GREADISENTAL MENDE) 1 POSTAVI ET NA PRECINU VRISCOAUST 1. ODACORI ORDIZVOLJAN DULJAN KORAKA 120 I POTELUI RED BIEN - BIEN - X 7 J(BIEN) k 6 2+1 S. VEATO (1) TI(0") = = = = (1" - 0" x") X" = 0 Kee = (X0-1)"x + MODEL VIJESTRUKE LINEARME REGRESISE (VIJE ULFIMA VARIJABLI) m- BROJ VARIZEELY m - DROS PODETANA X = [X]] - MATRICA DIZAJAA 4= [4/17 12LAZ MIDEL FUNKCIA: bo(X)=0+0+X, +6+X, +6+X +-+ 0 Xx = 0 X 0 = 0 - PRES - ETE | Y = X1 - VLAY - OFTIMIZACISSA, PROBLEM S(B) = 1 = (11 - ho Wing -) + POLINOMNA REGRESINA - MODEL FURNISH IS POLLHORNE RECRESISE ho (x)= 8+ 8, x+ 8, x2+ 8, x2+ 8, x2+ 8, x2 EXPLORED U KONTEX STU CLARARME REGRESSIVE LO (x)= 80+ 8. X. + 6, X. + 6, X. + 6, X. + 6, X. 60 JE JE X= XA, X = X, X = X, , X = X, * FEATURE SCALING - UBRADENC METRIC WAS STA-DARDS CALER IL: MINNEY SCALEN + ODREDIVANIE PARAMETARA & POMUEL SUSTAVA MIR MALNIN JEOMADEE 0 = (xTx) xT4 -AKO X'X NISE REGULARNO TI MEMA INVERT KORISTIMO PSEUDOINVERZ

METER PETFORMIN VOKTORA (SVM) - CILL DE SEPARTRATI POSSITE HIPERRAVAINOM TO GEOMETRI JERA MARGINA BUDE MINISTERNA / OVOIC DE SESMENT DE MARINA - TON - PODE CO AC MARIN EIT LIVEARAS SCHARAETER (UNDING TEACH VARISABLE) TOPTIMIZACIOSK PROPLEM: ANOMIN & NEW + C & S. WE WHERE Y" B'X"=1-8. SIZO, FILM - UFREDENE FURIENT IN LINEARING IN THE - LIMEARING IN BEET, IN HE RECENT POTFORMS NEXTURE *LOGITICES REGRESIA KLASIFIKACISE PROGRAMA MODEL FUNKCISON A. R. - CO. 17 , Ay (x) = 6 (01x) hose so 6 less = 1 - en s checom 22 ACRESON X'11 MORES PURKESS URLEA VICROSATNOSS ON JE X^[1] KLASO 1 OFTEN DECITION PROCESS: 1(0) = = leg (1+ = 1001,10) -+ 100 (24 +116 2-1,07) Foto 16) (a) Konsentia , 1070 SE RIETZVAN CRARI JENTAUM METOCOM LIKEL HOPE FUNKCISE: 1'(0)= F) P(41018; x(1)) - THE DVOM FUNKCISOM CHEST MISIMUS MER STATEMENT OF JETUAL, ROATAK ISPRING KLASTE, CIRAL CETIMILE ISEC, PROSECT: S(0) = = [-1"leg (h, (x'"))-(1-1") leg (1-ho (x'"))] F STURF STICKS GRADISENTAN METURS - CEFTIROM VITE ILUCISMO OBJERENIA A 13 £1, MY POMAKAUT FEMU PARAMETRE 9 U SMIDEU TOCADE GRADISCAM - FIE WINK OF STONESTICKE GROVENIME METERS 1 POSTALI O NA POPETAL ALIBONOS I PONAVLIES DO KONVERGENCISE COAPER : E { 1 ... my succession overeen 0 - 0 - x low the (x(x), x(x)) FINATRICE ZALLINE Accuracy = TRATA PRECISIONS TRIFF RECALL = TP H SOFT-MAX REGRESIJA

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APROBLEM, KLASIFIKICIJE
MODEL FURK EIGH CHEIKE ho R" A for . 1-17
- 24 OVIE K-100 VEROOF. Ag (x) = mgs (0, +0, X, + +0, X_) = orm (01x)
   - Free C & x100, x100, x100 T CR" I PRIPADION M KLASAMA YEAG Z. 4, 47
     PROLES ((1111, 411)), is quart so ELASTER SOTRESILAL KROZ LENDESTE AKO
     White yingty in so Fist, in
    LOSS EUNICIA PARIM TACI JEKI DROGER S(0)= 1 2 (1- 5(holis) 100))-100
                                 J(0)=0 AKO SU
SU! SERBE-PAR
                                                       8(1,8)= {2,0=6
FEREEPTRON ALGORIAM
ens: PROPER HIPCROUNING DE + 0, X,+-+ D. X. O KOLF SEPARIES CLASEN
FRATE ME ONE KLAIE 1 . KLAIE -1
THE PROPERTY KIASE & PRISEOFF EE BY DO , A KLESE -+ O'KED
VENTRE & SE MOMER HIPPRENNA
-120 SC m=2 , HIPERRAUNINA SE PROME ODISAN SECONDITION 4= - 8 X - 80
PSELOPK OF PER CONTROL ALGORIMA
   POSTAVI B'01 = (0, ..., 0)
   POSTAVI LESO
I REPEAT
         CO SET TO M
               Skin ( glu + yin xin) PUR
1. UNTIL YINGANT XILL SO , VION ... M
-GEOMETRISSKA MARGINA- NASKRITA UDDLIENOST IZMEĐU PODATKA I HIPERRAVAM ĐINO
                    - ourse p = 0,+ XB
FUNKCISSKA MARFINA - NASVUET BRUS JU ZA KOSEG VALIES, Y" # + KA- 1 ---
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- DOCKO FITTA TRAIN IN LOTE TEST PROTECTALES

- DOCKO FITTA TRAIN INC. LOTE TEST PROTECTALES

+ PO DNAUZEMUST / UNDER FITTING - MODEL FUNKCISA IMA PREMAL EROJ PARAMETARA

- LOJE FITTA I TRAIN - TEST PROTING

FREGULAR PACISA

- DODAVANJE REGULAR ZACIJSKE FUNKCIJE R:R"-IR U LOSI FUNKCIJU KAKO EI SE KONTROLIKIO UTSKCAS PARAMETARA & U MIDEL FUNKCIJI KO

- UVID SE U SVEHU SPENETAVANJA ONTE FITTINGA

- was LOSS FURN CISO J(6) +R(0)

- ZA R WAR VENCHU L, NEMU , HIPERAL MOTER A

24 SOFT-MAX REGRESION -1-: 1(6)= - \$\frac{1}{2} \frac{1}{2} \tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\tag{(4)\t

THE RECRESSION OF SUSTENOM MEMORING WITHAUTERS: $\theta = (x^{\dagger}x + x^{\dagger}x^{\dagger}y)^{-1}x^{\dagger}y$

-) A PROVER - OVERFITTING POSTAGE UNDERFITTING

SUBCRIDISENT

SVAKI KOSFICIJENT SMJERA PROJEK KOJI ZNOOVUHAVA DA PODRZŽIVA HIPPERAVNIU KOJA JE U POTPUNUSTI NALAZI ISPID KONVEKSNE FUNKCHU KORISTINO ZA KONVEKSNE FUNKCIJE KOJE IMAJU IŠPIC