library (lattice)

library (Matrix)

library (sp)

library (spgwr)

library (maptools)

xx<-readShapePoints ("D:/kemiskinan1.shp"[1]}

хх

col.b.adapt<-

gwr.sel (Y1~X1+X2, data=xx, coords=cbind(xx$X, xx$Y), adapt=TRUE) adapt.gauss<-

gwr (Y1~ X1+X2, data=xx, coords=cbind(xx$X, xx$Y), adapt=col.b.adapt, hatmatrix=TRUE)

names (adapt.gauss) h=adapt.gauss$bandwidth

h<-as.matrix(x)

b=h

for (i in 1:37) (b<-cbind(b,h)}

b

je<-read.table("D:/je.txt")

w=function (b, je, i) {

b<-b[, i]

je<-je [, i]

k=je/b

a=k^2

c=(-0.5) \*a

w-exp (c)

}

W1<- w (b, je,1)

W2<- w (b, je, 2)

W3<- w (b, je, 3)

W4<- w (b, je, 4)

W5<- w (b, je, 5)

W6<- w (b, je, 6)

W7<- w (b, je, 7)

W8<- w (b, je, 8)

W9<- w (b, je, 9)

W10<- w (b, je, 10)

W11<- w (b, je, 11)

W12<- w (b, je, 12)

W13<- w (b, je, 13)

W14<- w (b, je, 14)

W15<- w (b, je, 15)

W16<- w (b, je, 16)

W17<- w (b, je, 17)

W18<- w (b, je, 18)

W19<- w (b, je, 19)

W20<- w(b, je, 20)

W21<- w (b, je, 21)

W22<- w (b, je, 22)

W23<- w (b, je, 23)

W24<- w (b, je, 24)

W25<- w (b, je, 25)

W26<- w (b, je, 26)

W27<- w (b, je, 27)

W28<- w (b, je, 28)

W29<- w (b, je, 29)

W30<- w (b, je, 30)

W11<- w (b, je, 31)

W32<- w (b, je, 32)

W33<- w (b, je, 33)

W34<- w (b, je, 34)

W35<- w (b, je, 35)

W136<- w (b, je, 36)

W37<- w (b, je, 37)

W38<- w (b, je, 38)

W<-

rbind (W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38)

X<- read.table("D:/datax.txt")

Y<-read.table("D:/datay.txt")

olahdata = function (data, jumlahpengamatan, jumlahvariabel) {

data<-an.matrix(data)

jumlahrow-nrow (data)

batas = jumlahpengamatan\*jumlaltrow

X0= matrix (1, batas,1)

data<-as.vector (data)

X<-matrix (data, batas, jumlahvariabel)

X<-cbind(X0,x)

}

X <- olahdata (X, 5, 2)

Y <- olahdata (Y, 5, 1)

Y < Y(, -1)

Y <- as.matrix(Y)

beta=function (X, Y, W, i) {

W<- W [, i ]

W<-as.matrix (W)

jumlahrow=nrow (W)

pembobot=W

for (i in 1:4) (pembobot <-rbind (pembobot, W)} pembobot

p1<-diag(190)

diag (p1) <-pembobot

p1

,beta37,beta38)

Beta

tbeta=t (beta)

tbeta

betaintersep =tbeta[, 1]

betaLPE=tbeta[, 2]

betaTPT=tbeta[, 3]

min (betaintersep)

min (betaLPE)

min (betaTPT)

max (betaintersep)

max (betaLPE)

max (betaTPT)

rata0=sum (betaintersep)/38

rata0

rata1=sum (betaLPE) / 38

rata1

rata2 =sum (betaTPT) / 38

rata2

akarc=function (X, Y, W, i) f

W<-W [, i]

W<-as.matrix (W)

jumlahrow=nrow (W)

pembobot=w

for (i in 1:4) {pembobot<-rbind{pembobot, W}

pembobot

p1<-diag (190)

diag (p1)<-pembobot

p1

W<-as.matrix (p1)

a = t(X) . W

b = solve (a . X)

C = b . a

CCt= c . t (C )

CCt

c = diag(CCt)

akarc = t(sqrt (c))

akarc = aa.matrix (akarc)

akarc

}

akarc1<-akarc (X, Y, W, 1)

akarc2<-akarc (X,Y, W, 2)

akarc3<-akarc (X, Y, W, 3)

akarc4<-akarc (X, Y,W, 4)

akarc5<-akarc (X, Y, W, 5)

akarc6<-akare (X, Y, W, 6)

akare?<-akarc (X, Y, W, 7)

akarc8<-akarc (X, Y, W, 8)

akare9<-akare (X, Y, W, 9)

akarc10<-akarc (X, Y, W, 10)

akarcii<-akarc (X, Y, W, 11)

akarc12<-akarc (X, Y, W, 12)

akarc13<-akarc (X, Y, W, 13)

akarc14<-akarc (X, Y, W, 14)

akarc15<-akarc (X, Y, W, 15)

akarc16<-akarc (X, Y, W, 16)

akarc17<-akarc (X, Y, W, 17)

akare18<-akarc (X, Y, W, 18)

akarc19<-akarc (X, Y, W, 19)

akarc20<-akarc (X, Y, W, 20)

akarc21<-akarc (X, Y, W, 21)

akarc22<-akarc (X,Y, W, 22)

akarc23<-akarc (X, Y, W, 23)

akare24<-akarc (X, Y, W, 24)

akare25<-akarc (X, Y, W, 25)

akarc26<-akarc (X, Y, W, 26)

akare27<-akarc (X, Y,W,27)

akarc28<-akarc (X, Y,W,28)

akarc29<-akarc (X, Y, W, 29)

akarc30<-akarc (X, Y, W, 30)

akare31<-akarc (X, Y, W, 31)

akarc32<-akarc (X, Y, W, 32)

akarc33<-akarc (X, Y, W, 33)

akarc34<-akarc (X, Y, W, 34)

akarc35<-akarc (X, Y, W, 35)

akarc36<-akarc (X, Y, W, 36)

akarc37<-akarc (X, Y, W, 37)

akarc38<-akarc (X, Y, W, 38))

akarc<- आ rbind (akarc1, akarc2, akarc3, akarc4, akarc5, akarc6, akarc7, akarc8, akarc9, akare10, akarc11, akarc12, akarc13, akarc14, akarc15, akarc16, akarc17, akarc18, akarc19, akarc20, akarc21, akarc22, akarc23, akarc24, akarc25, akarc26, akarc27, akarc28, akarc29, akarc30, akarc31 ,akarc32, akarc33, akarc34, akare35, akarc36, akarc37, akarc38) akarc

m1=function (X, Y, W, 1, j). {

w<-w[,1]

W<-as.matrix (W)

jumlahrow=nrow (W)

pembobot=W

for (i in 1:4) (pembobot<-rbind (pembobot, W) }

pembobot

pl<-diag (190)

diag (pl) <-pembobot

pl

W<-as.matrix (pl)

a = t (X) \* W

b = solve (a . X )

c = b . a

Xt=t (x)

L = Xt [, j] . C

}

L1=ml (X, Y, W, 1, 1)

L2=ml (X, Y, W, 2, 2)

L3=ml (X, Y, W, 3,3)

L4=ml (X, Y, W, 4, 4)

L5=ml (X, Y, W, 5, 5)

L6=ml (X, Y, W, 6, 6)

L7=ml (X, Y, W, 7, 7)

L8=ml (X, Y, W, 8, 8)

L9=ml (X, Y, W, 9, 9)

L10=ml (X, Y, W, 10, 10)

L11=ml (X, Y, W, 11,11)

L12=mi (X,Y, W, 12, 12)

L13=ml (X, Y, W,13,13)

L14=ml (X, Y, W, 14, 14)

L15=ml (X,Y, W, 15, 15)

L16=ml (X, Y, W, 16,16)

L17=ml (X, Y, W,17,17)

L18=ml (X, Y, W,18,18)

L19=ml (X, Y, W,19,19)

L20=ml (X, Y, W, 20, 201

L21=ml (X, X, W, 21, 21)

L22=ml (X, Y, W, 22, 22)

L23=ml (X, Y, W, 23, 23)

L24=ml (X, Y, W, 24, 24)

L25=ml (X, Y, W, 25, 25)

L26=ml (X, Y, W, 26, 26)

L27=ml (X, Y, W, 27,27)

L28=ml (X, Y, W, 28,28)

L29=ml (X, Y, W, 29, 29)

L30=ml (X, Y, W, 30, 30)

L31=ml (X, Y, W, 31,31)

L32=ml (X, Y, W, 32, 32)

L33=ml (X, Y, W, 33, 33)

L34=ml (X, Y ,W, 34, 34)

L35=ml (X,Y, W, 35, 35)

L36=ml (X,Y, W, 36, 36)

L37=ml (X, Y, W, 37,37)

L38=ml (X, Y, W, 38, 38)

L39=ml (X, Y, W, 39, 39)

L40=ml (X, Y, W, 40,40)

L41=m1 (X, Y, W, 41, 41)

L42=ml (X, Y, W, 42,42)

L43=ml (X, Y, W, 43, 43)

L44=ml (X, Y, W, 44, 44)

L45=ml (X, Y ,W, 45, 45)

L46=ml (X, Y, W, 46, 46)

L108, L109, L110, L111, L112, L113, L114, L115, L116, L117, L118, L119, L120, L121, L173, L174, L175, L176, L177, L178, L179, L180, L181, L182, L183, L184, L185, L186, L187

L

ci = array (1, dim = c (190,1))

I = diag (190)

diag (1) <-ci

I

f = I - L

g = t (f) %\*% f

g <-as.matrix(g)

si1 = sum (diag(g))

si1

j = g^2

si2 = sum (diag(j))

si2

u = t (x)%\*%X

V = solve(u)

H = X%\*%V%\*%t(x)

V - I - H

JKGH1 - t (Y)%\*%V%\*%Y

JKGH1

sigmatopi = sqrt (JKGH1/si1)

sigmatopi

sigmatopi - rbind (sigmatopi,sigmatopi,signatopi)

sigmatopi

tsigmatopi = t(sigmatopi)

ts = tsigmatopi

for (i in 1:37) (ts< - rbind(ts, tsigmatopi))

ts

salahbaku = ts akarc

salahbaku

t = tbeta/salahbaku

t

ratay = sum (Y)/190

tabeta = tbeta

for (i in 1:4) (tabeta<-rbind(tabeta, tbeta))

Ytopi = tabeta\*X

Ytopi

Y1< - Ytopi (, 1)

Y1< - as.matrix(Y1)

Y2<-Ytopi (, 2)

Y2<-as.matrix (Y2)

Y3<-Ytopi (,3)

13<-as.matrix (Y3)

Ytopi=Y1+Y2+Y3

Ytopi

11 = (Y- Ytopi)^2

111 = 11

for (i in 1:189) (111<- cbind(111, 111))

W = as.matrix (W)

p=w

for (i in 1:4) (p<-cbind(p, W))

w=p

for (i in 1:4) (<-rbind (w,p))

kl=sum (W\*111)

jil = ( Y - ratay)^2

j i l = j l

for (1 in 1:189) (jil<-rbind(j i l, j l) }

hl=sum (W\*jil)

Rkuadrat=kl/hl

Rkuadrat