orgina poist-élous returne Y is vector of Y = XB + E 1: v xg wefix of B:,, e dx/vetr buzicqu of myassion (sefficients E :, vx/ rectrof e ms $\beta = \min_{i=1}^{n} (\gamma_i - \chi_i \beta)^2$

= (Y-XB)T(Y-XB)

= (Y-XB)T(Y-XB)

dimension of B starts

to set longe.

or is start to see longe

concletion in XTX

(XTX)-1; s: 1/1-ronditioned

our estimates of B start to

get very roin

a) Jon't work rellet

prodiction 23: 4 raid B-N(B, (xTX)-152) of fr wings/2 B= (0.5,0.5) $\beta = (3.7, -2.4)$ (Y-XB)T(Y-XB)+ ABTB G Z Bi2 Hor do ve pick ?? $(\vec{x}, \vec{y}), \dots, (\vec{x}, \vec{y})$ ord e trin set the Jeta

Lospit mo dete into a test test set is about 10-20.1. of rap look et a jour de seus of reprosof [.01.02.04,.08,.16]

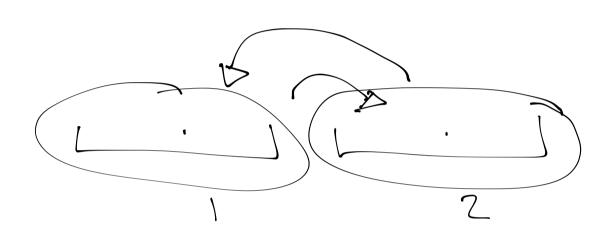
minimize

B

La sois per mosel process in my seid k times

The sois per mosel for each of the sois per mos

2 - 219 coss-ne/:g.xxs



La closse the known that give or the best out of script performer

x = [1,2]

C/9 /

6/3 2

m: = model fit usis lambali]

W" " " S

m2. m22

06/3/

tif w" ov tolg / _& tilg 5 E" (2 22) popo brogition ou Cold 2 of m, and bugistion or we y=) E 11 + E 12

of simple 5 Ez, t Ezz - lets /=/ performs better, the I fit the majel using has a the entire tring set, and validate iti, performence on the test set : = X, β $R^2 = \sqrt{-\frac{2}{2}(y_i - y_i)^2}$ dever drogenis por po choose x; skleer default set 5

c:9/6 6/622;2

minimize (Y-XB) (Y-XB) + 18^TB B

LASSO

minimize (4-XB) (4-XB) (4-XB) (4)

I rot a major d'Acres et predictive abilities of LASSO/(idje

= 10 /0000 con perform varioble selection

x = B16