REGULARIZATION SPARSITY

rincrease footune space, model size, eval Home, etc.

> Want to zero - out some weights/ eliminate coefficients.

LI regularization = penalize sum of abs. vals.

of all the weights

rencourages sparsity

Differences L2 penalizes weight? }

The LI derivative drives LI
to zero faster (since L2 deriv.
is smaller as L2 shrinks)

Careats of L1:

- Can eliminate weakly informative features - or strongly informative wildiff. scale

Features hard to be normalized to Similar scates

E.g. Val-mean (\$ 04 5to Jev.5) 5td.dev. (From the mean)