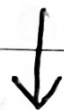


Ridge \rightarrow

$$L/E + \alpha [\text{SSC}]$$

\nearrow penalty term



$$w_1^2 + w_2^2 + w_3^2 + \dots + w_n^2$$

As $\alpha \uparrow$

$C \downarrow$
 $\rightarrow 0$

$$y = b_0 + b_1 x_1 \leftarrow \alpha = 0.01$$

$$y = b'_0 + b'_1 x_1 \leftarrow \alpha = 0.5$$

$$\cancel{b_1} > \cancel{b'_1}$$

Lasso \rightarrow

$$L/E + \alpha [\text{SAC}]$$



$$w_1 + w_2 + w_3 + \dots + w_n$$

$\alpha \uparrow$

$C \downarrow$
 $\rightarrow 0$

Elasticnet \downarrow

$$L/R + \alpha_1 [SSC] + \alpha_2 [SAC]$$

$$\downarrow$$
$$||0||^2$$

$$\downarrow$$
$$||w||^2$$

$$\downarrow$$
$$||0||^*$$

$$\downarrow$$
$$||w||^*$$