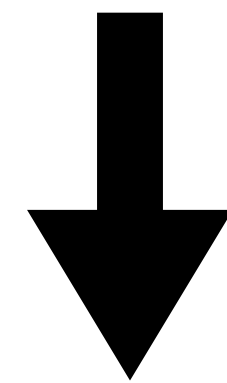


$$\|\mathbf{y} - \mathbf{A}\mathbf{x}\|_2^2$$

$$\|\mathbf{x}\|_0$$

Ensures **data fidelity**

Promotes **sparsity**



$$p^\star = \begin{cases} \min & \frac{1}{2} \|\mathbf{y} - \mathbf{A}\mathbf{x}\|_2^2 + \lambda \|\mathbf{x}\|_0 \\ \text{st} & \|\mathbf{x}\|_\infty \leq M \end{cases}$$

ℓ_0 -penalized least-squares problem