

Dictionary

Target vector

$$\mathbf{A} = \underbrace{[\mathbf{a}_1, \dots, \mathbf{a}_n]}_{\text{Columns}}$$

$\mathbf{y}$

Find  $\mathbf{x}$  sparse such that  $\mathbf{y} \simeq \mathbf{A}\mathbf{x}$