

Observation

$$\vec{y}$$

Posterior

$$w(\vec{y}, \vec{y}_1) \cdot \vec{x}_1$$

$$w(\vec{y}, \vec{y}_2) \cdot \vec{x}_2$$

$$w(\vec{y}, \vec{y}_3) \cdot \vec{x}_3$$

...

Retrieved state

$$\vec{x}$$

Prior

(Obs. Database)

$$\vec{y}_1 \rightarrow \vec{x}_1$$

$$\vec{y}_2 \rightarrow \vec{x}_2$$

$$\vec{y}_3 \rightarrow \vec{x}_3$$

...