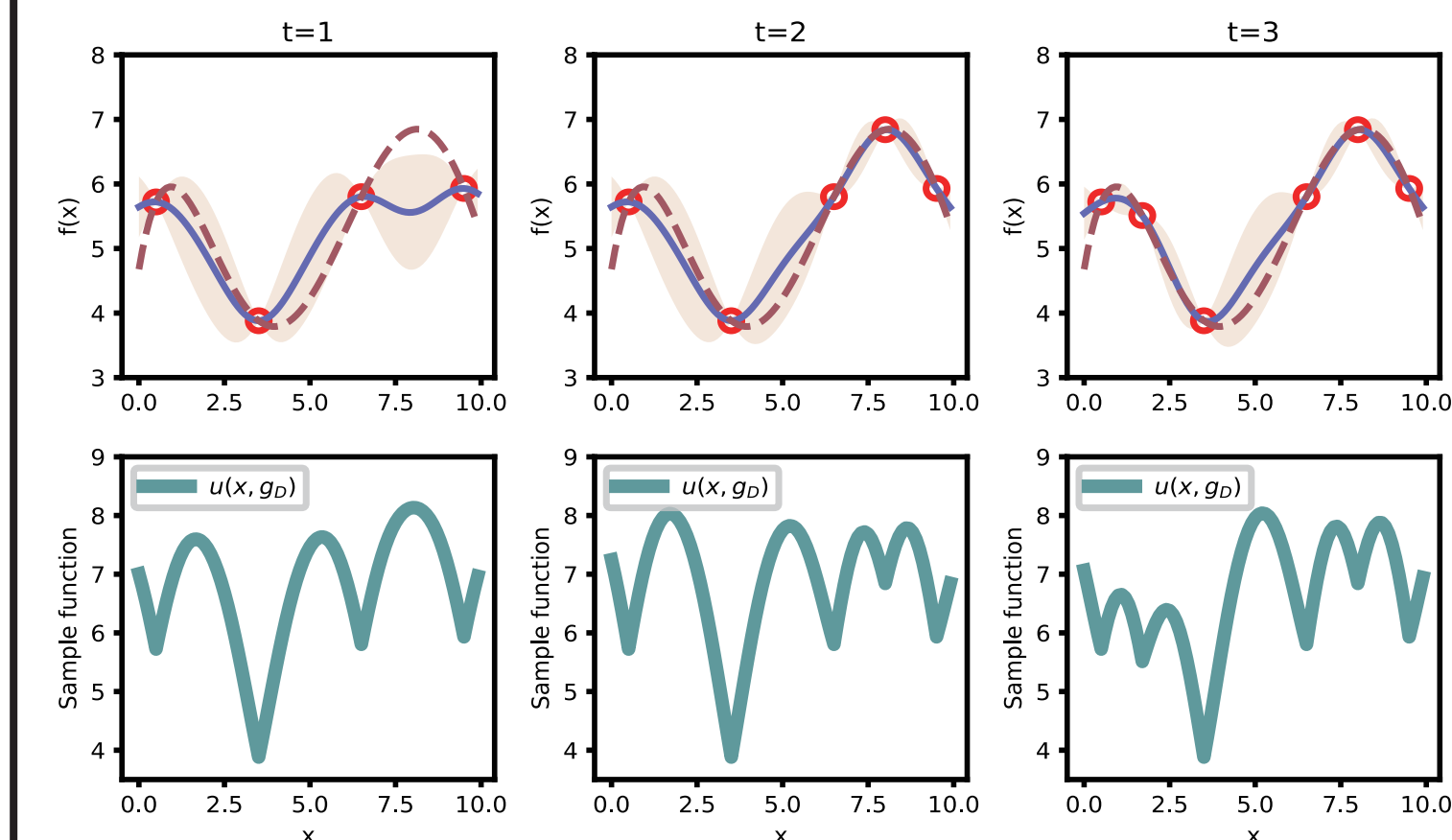


a.

Update and Generate iteration



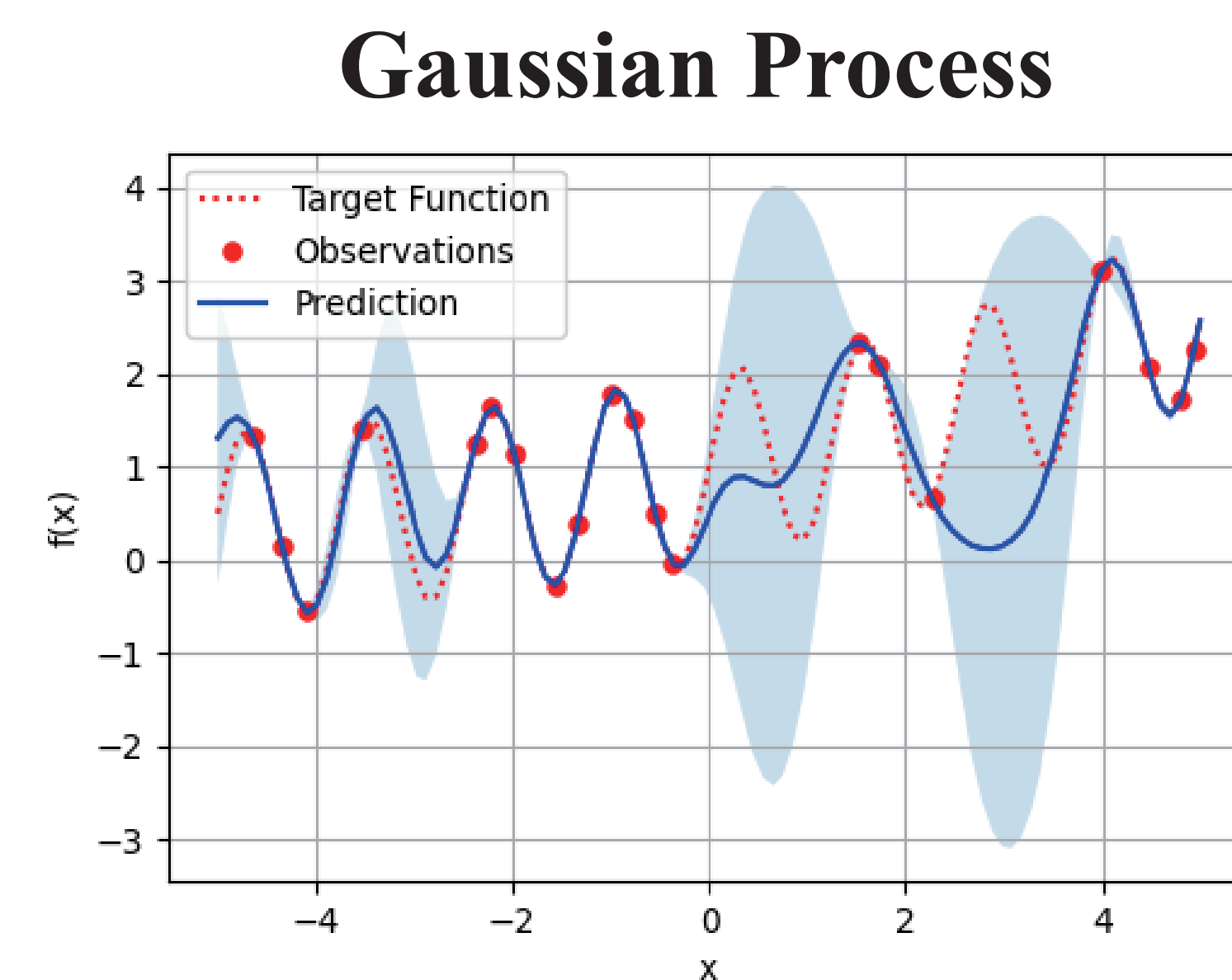
(2) Update the sample domain

$$D \leftarrow D \cup (x_*, f(x_*))$$

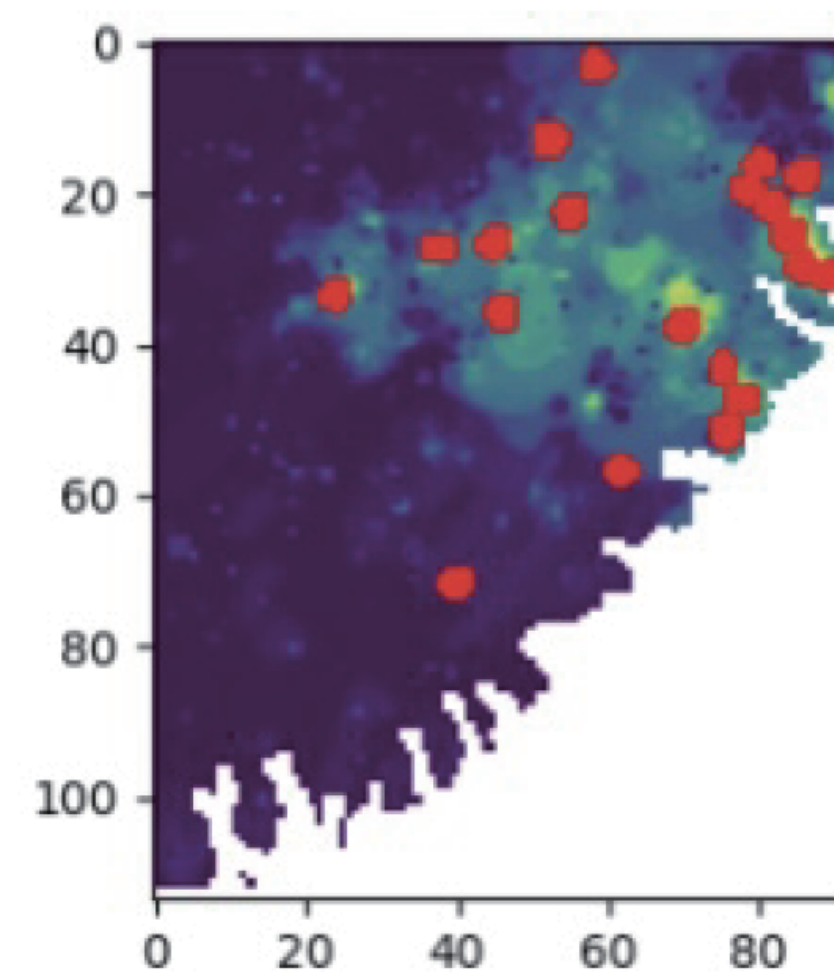
(1) Get updated x from the extrem value

$$x_* \leftarrow \operatorname{argmax}_x (u(x, g_D))$$

Get sample function from GP model



$$u(x, g_D) \leftarrow g_D(x)$$



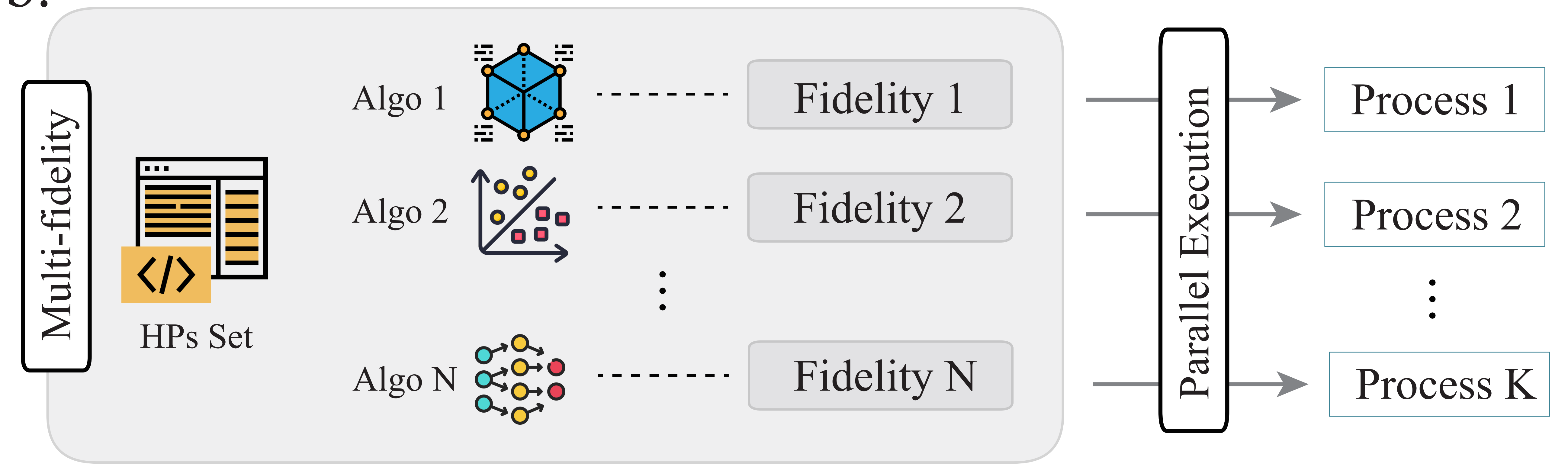
Output

n iterations

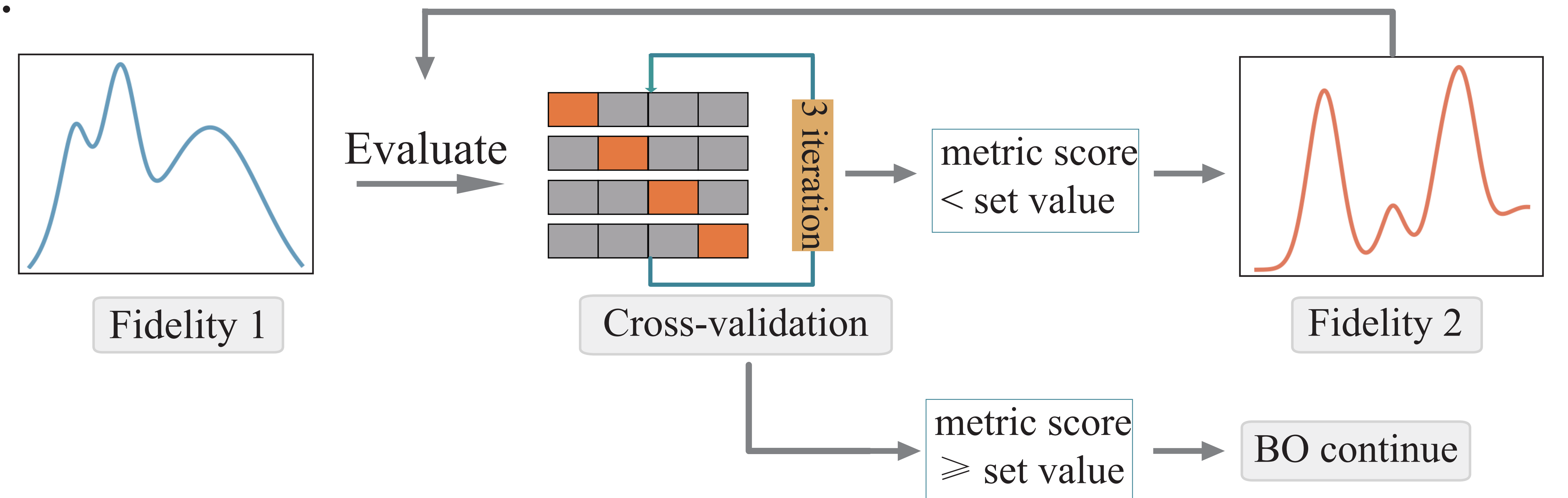


Input Search Space

b.



c.



d.

