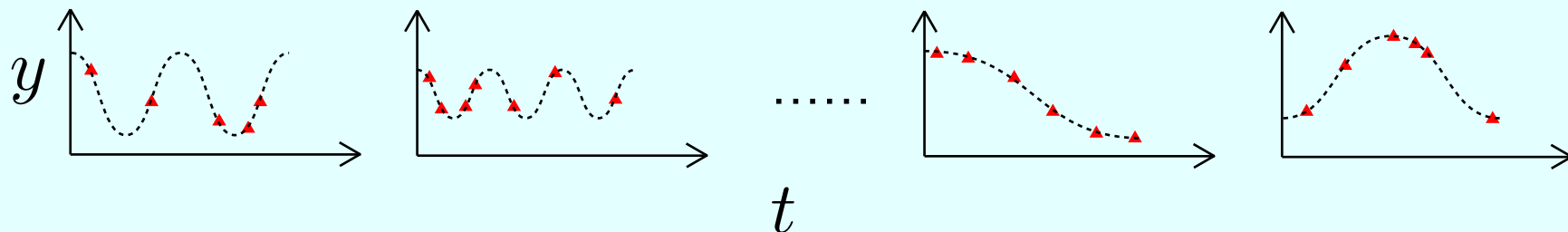


## Sparse and irregular time series observations

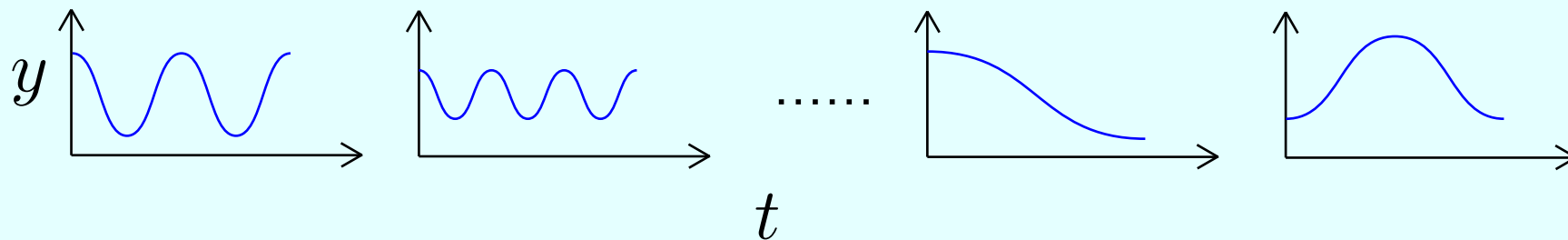


MAML

Meta-model  $F_{\phi_0}(\cdot)$

Gradient decent  
for each task

## Reconstruction of time series samples



Estimation

Dense-data-based FDA

Mean function

$$\hat{\mu}(t)$$

Covariance kernel

$$\hat{c}(t)$$

Principal components

$$\hat{pc1}(t), \hat{pc2}(t), \dots$$