

OFFLINE PHASE

$$\mathcal{F} = \{\mathbf{f}_{\text{OMA}}, \mathbf{f}_{\text{OMB}}, \mathbf{f}_{\text{OMC}}\}$$

process parameter stream

performance stream

4

Windowing incoming stream

4

Windowing incoming stream

$$\mathbf{x}_i = [x_{i1}, \dots, x_{id}]^T$$

$$\mathbf{y}_i = [y_{i1}, \dots, y_{ip}]^T$$

5

Detecting the operating context

6

Deriving the performance profiles

OMA

\mathbf{w}'_i

7

Estimating the fingerprint offset

$$d_{\cos}(\mathbf{f}_{\text{OMA}}, \mathbf{w}'_i)$$

8

Deriving alarms based on anomaly score

H

C