

1) Collect sensor data



Accelerometer



Rotation



Magnetic field

2a) Align sensor streams  
2b) Normalize sensor streams

3) Initialize SVDD model

4) Update model over sliding window

Model properties

Sphere  
size

Number  
of outliers

5) Interpret properties

Indication of change

Ratio-  
Thresholding

CuSum

6) Merge change points