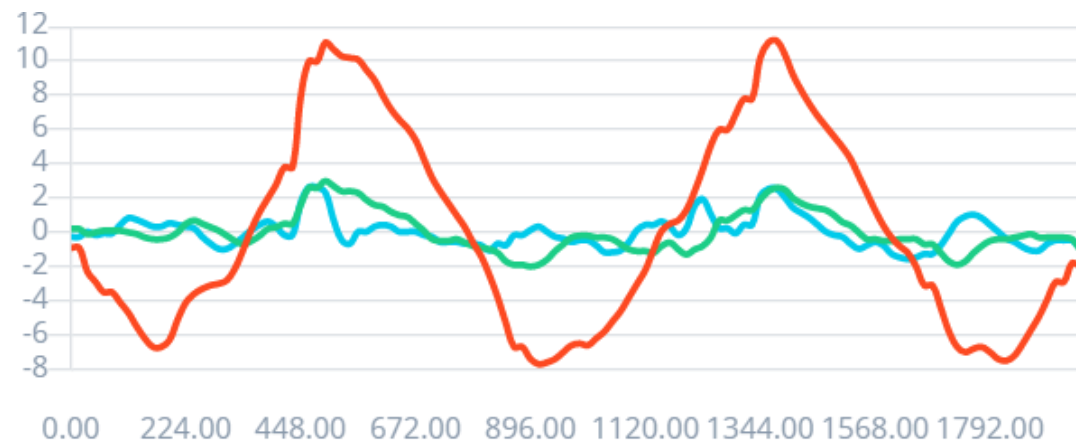
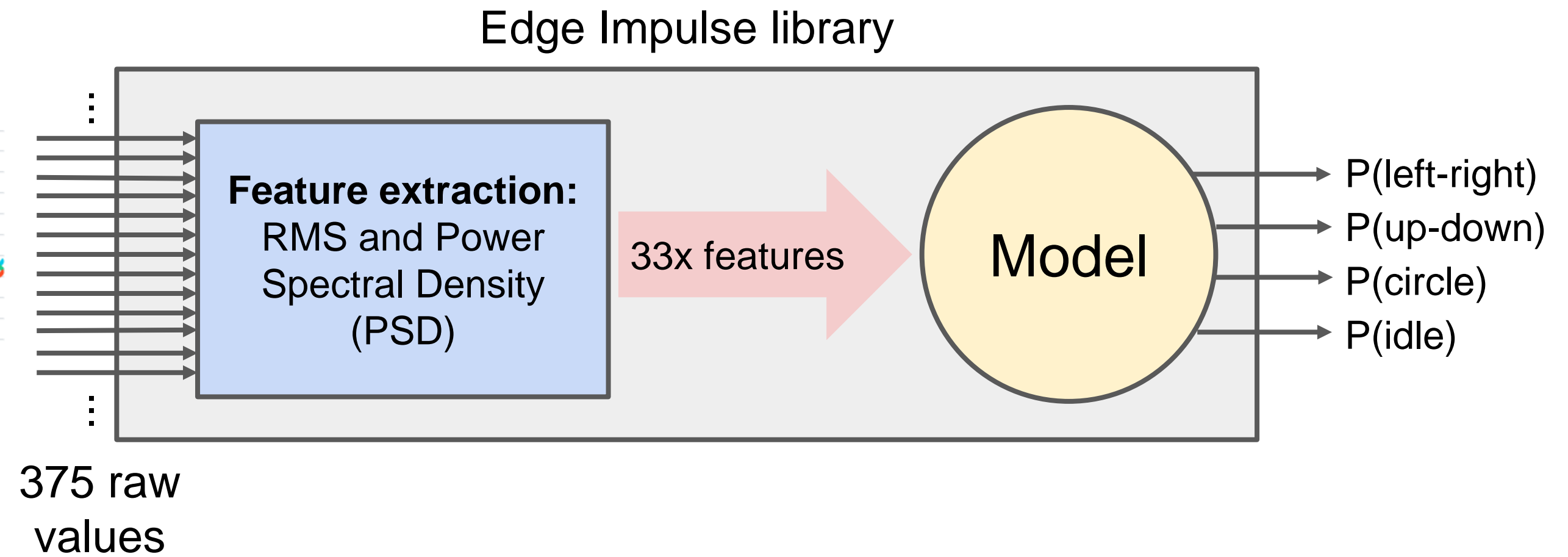


Sample accelerometer
for 2 seconds



62.5 Hz sampling for 2 seconds
with 3 axes = 375 values



P(left-right) = 0.9143

P(up-down) = 0.0032

P(circle) = 0.0581

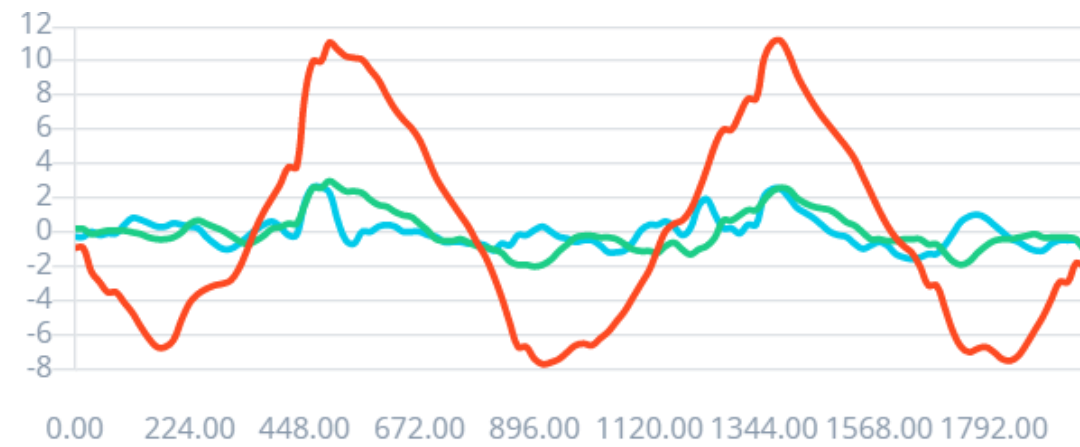
P(idle) = 0.0244

```
if (p_left_right > 0.5) {  
    // Do stuff  
}
```

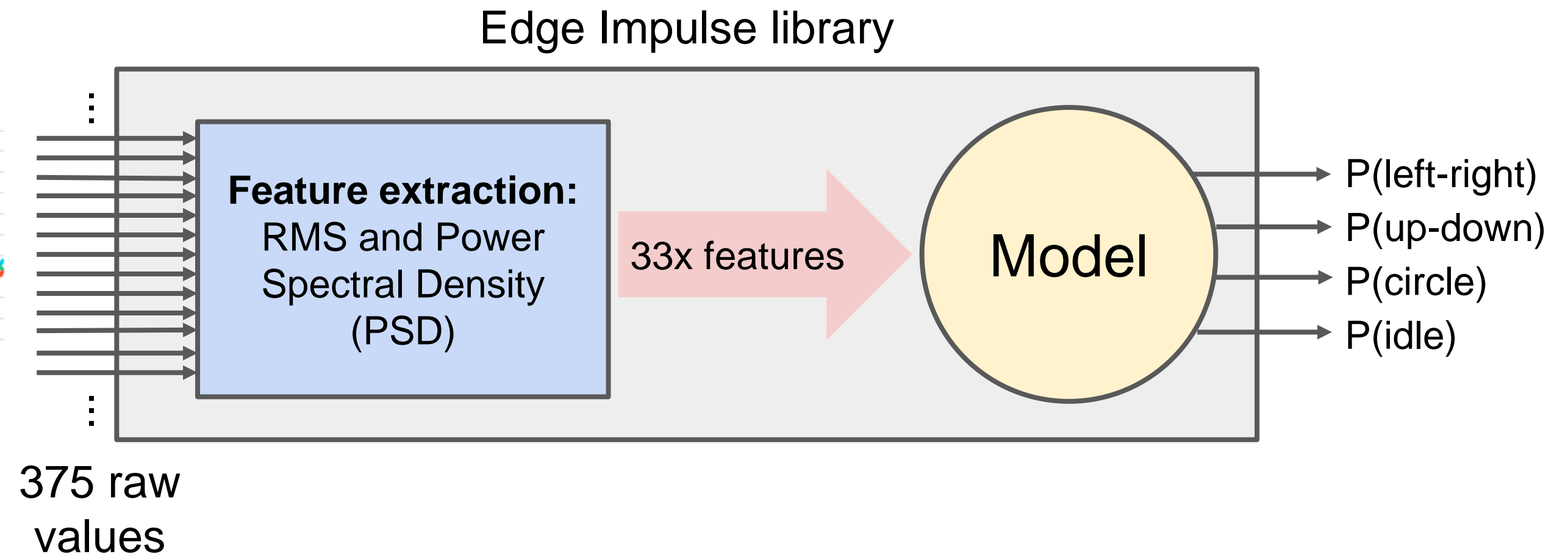
```
if (p_up_down > 0.5) {  
    // Do some things  
}
```

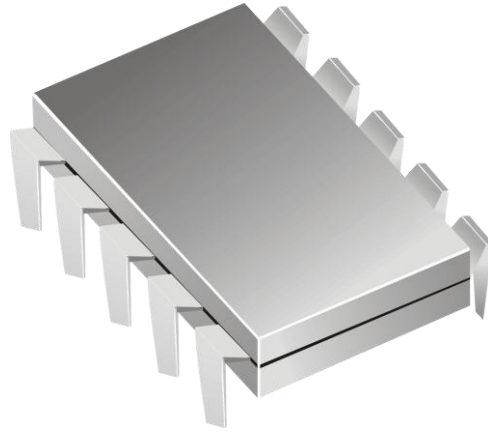
```
if (p_circle > 0.8) {  
    // And now for something completely different  
}
```

Sample accelerometer
for 2 seconds



62.5 Hz sampling for 2 seconds
with 3 axes = 375 values





Sample accelerometer every 16 ms (62.5 Hz)

- Timer interrupt
- Real-time operating system (RTOS) task
- Direct memory access (DMA)

