

Original EDA signal

Segment into n
1 s intervals

For each interval n,
calculate diff:
$$\text{diff}(t) = \frac{\text{EDA}(t+1) - \text{EDA}(t)}{t}$$

Generate a 20-bin
Histogram, yielding
 $\{x_1, x_2 \dots x_{20}\}$ bin centers
 $\{n_1, n_2 \dots n_{20}\}$ bin counts

Compare to threshold D:
If $C \geq D$, EDR present
If $C < D$, no EDR

Find mean of histogram:

$$C = \frac{\sum_{i=1}^{20} n_i x_i}{\sum_{i=1}^{20} n_i}$$

EDA signal with EDRs flagged