Diagram

Description automatically generated

https://lucid.app/lucidchart/1e4d3b26-1219-46a6-9346-ed953591f1b8/edit?page=0\_0#?folder\_id=home&browser=icon

Bandpass filter removes <5000,>11000

CWT scale=800. Why?

If the scale value is too small(100-200)

Chart

Description automatically generated

If the scale value is too big(2800-3200)

Chart

Description automatically generated

800-850

Chart, histogram

Description automatically generated

Feature threshold v>0.05 or v<-0.05

Regroup distance=500.

What if we find our model cannot detect some cough or the rules is too loose so that we detect some event which cough didn’t appear?

We can adjust the scale, threshold and regroup distance.

We also can check feature’s max, min and length.