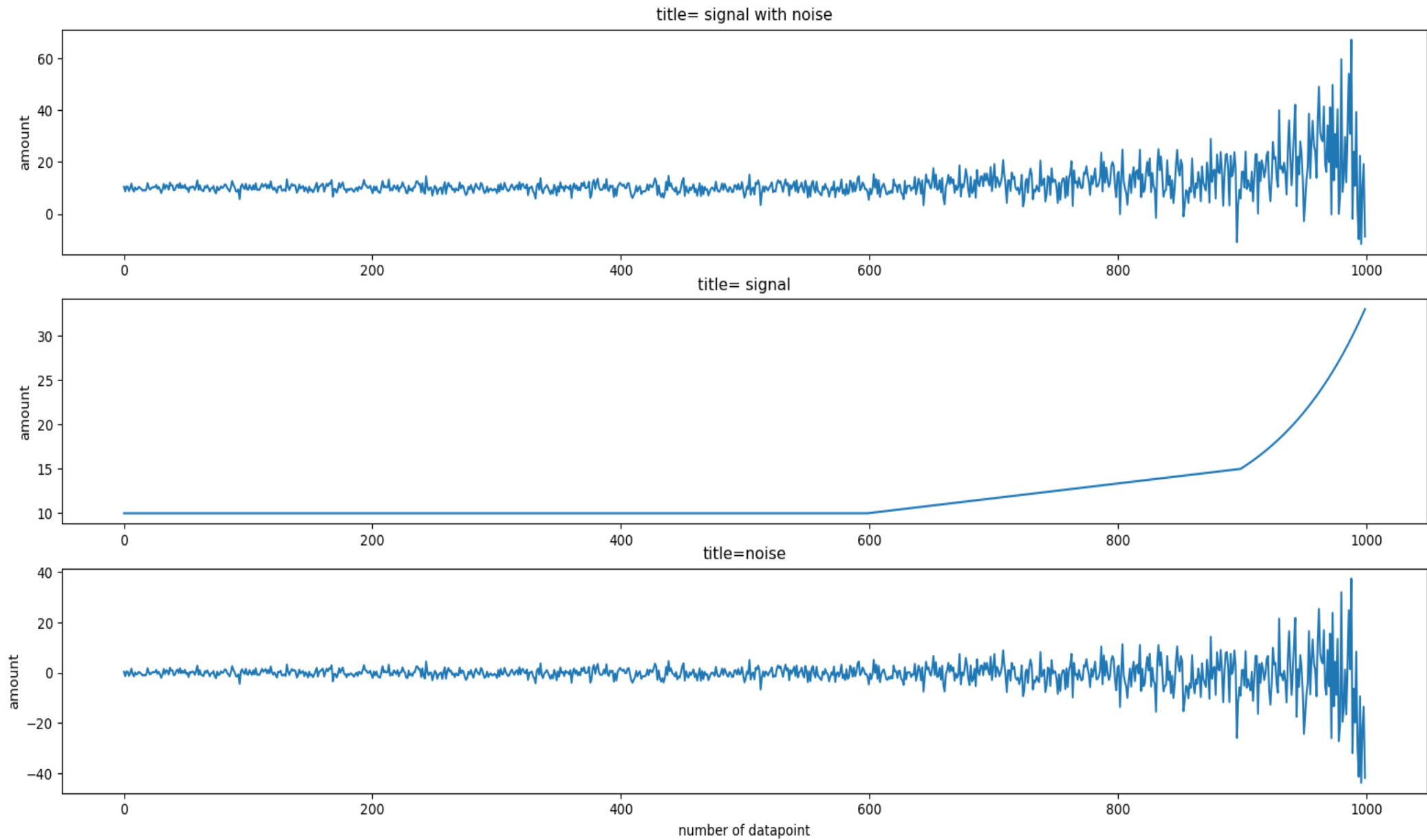


Report 6

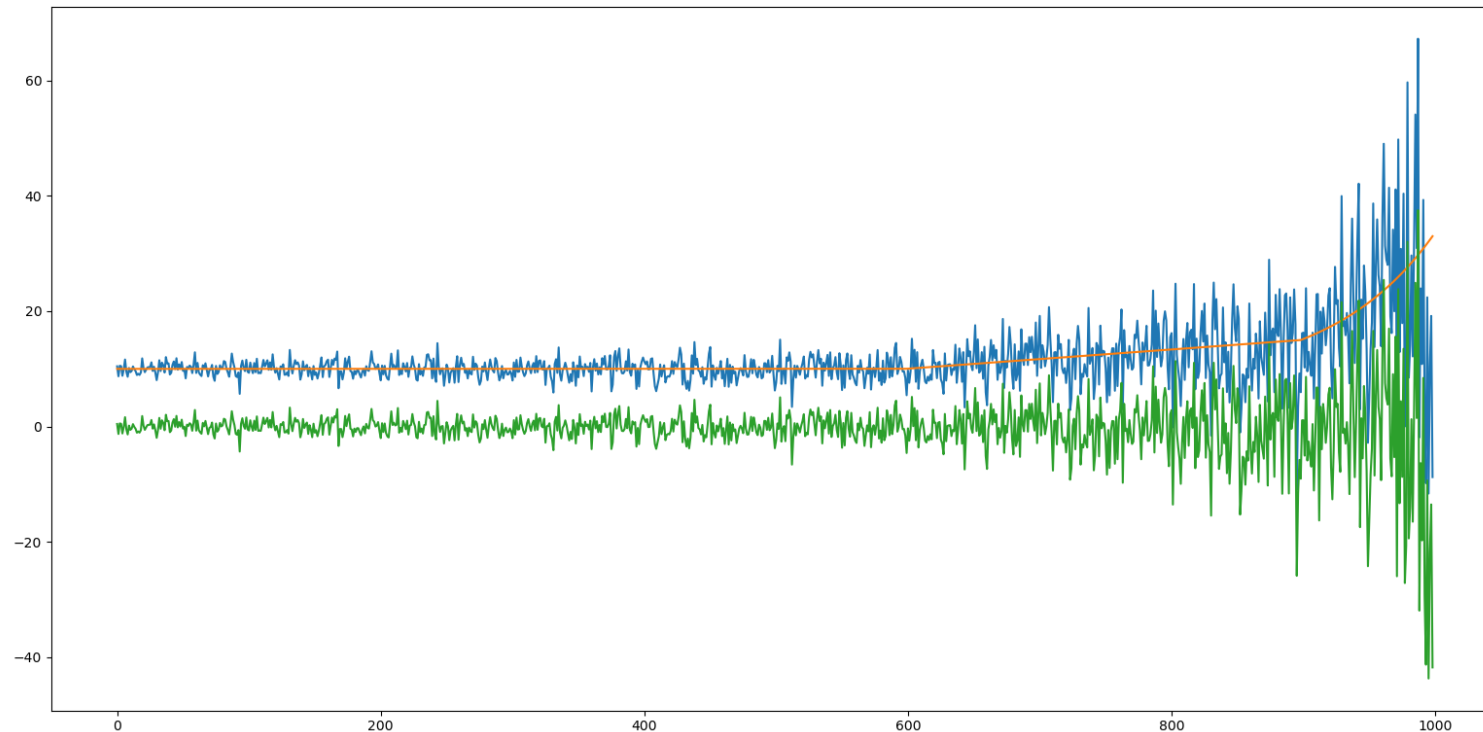
New gaussian Datasets of Wojtek

Signal



Whole signal in one picture

green : noise
blue: signal + noise
orange : signal



Some details

Window + overlapping

0 1 2 ... 10 50

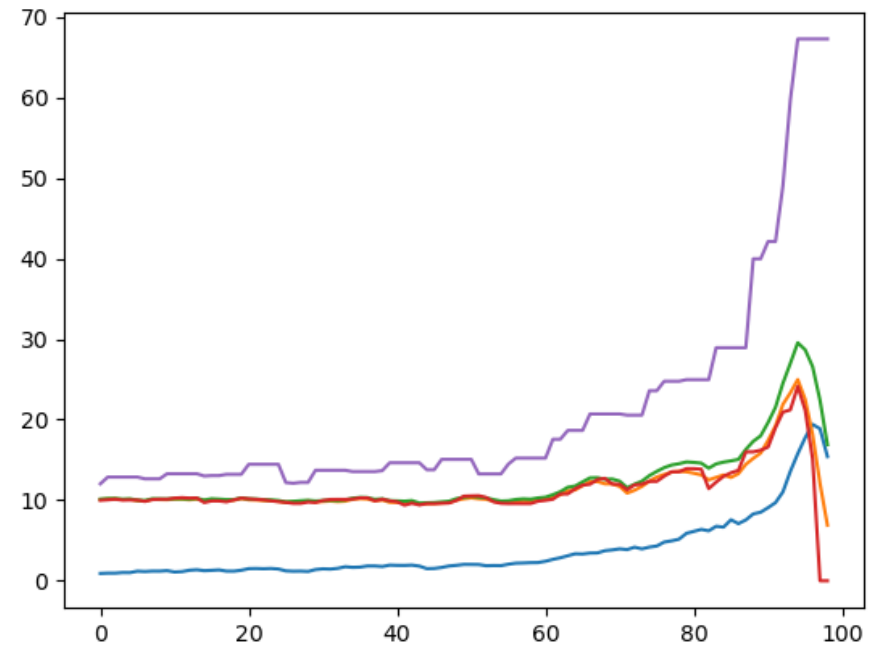
10 11 12 ... 20 60

20 21 22 ... 70

window size = 50 datapoints
overlapping = 80 %

Whole features :

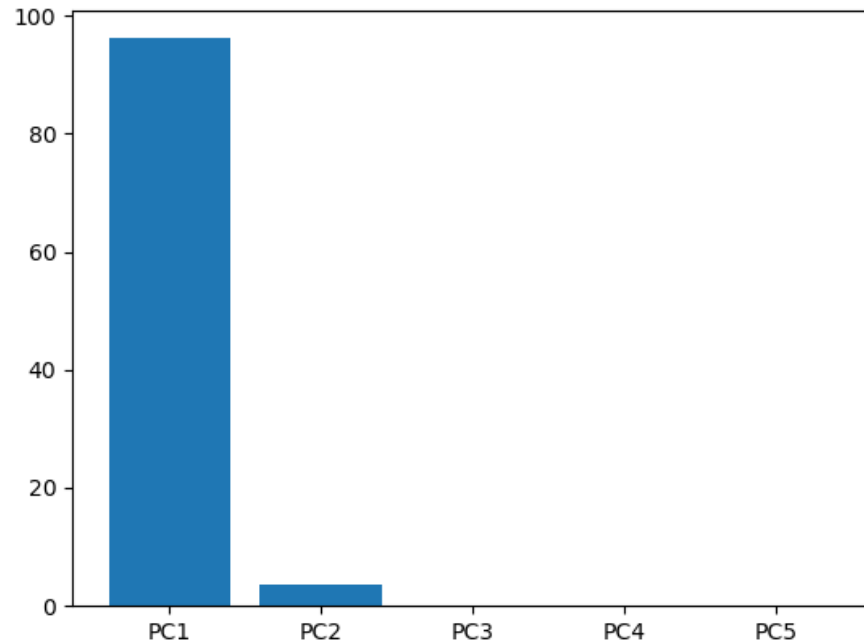
std, mean, rms , median, max



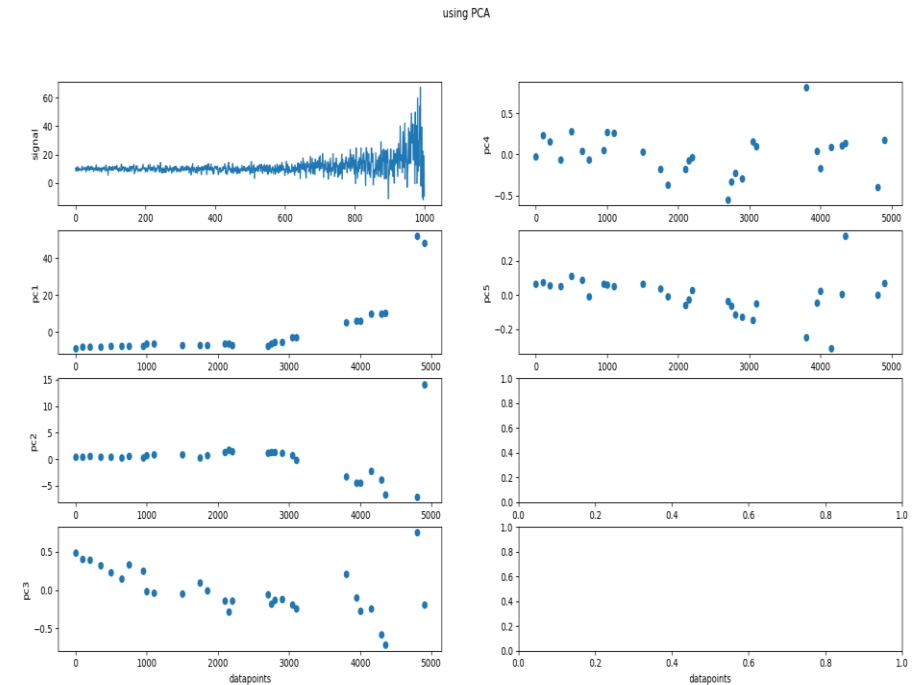
PCA

I choose PC1 for clustering because the percentage is approximately 95%

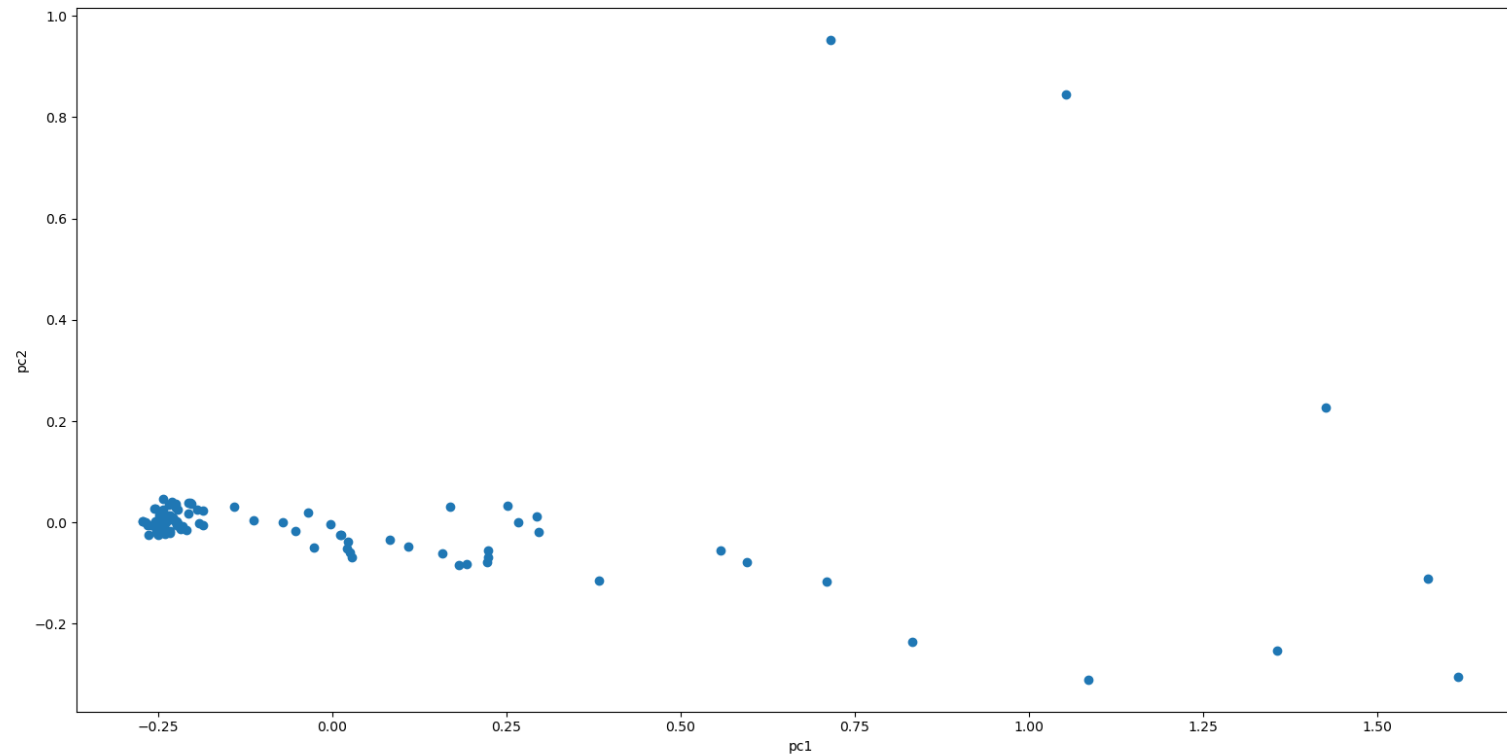
Bar chart



Whole PCA charts

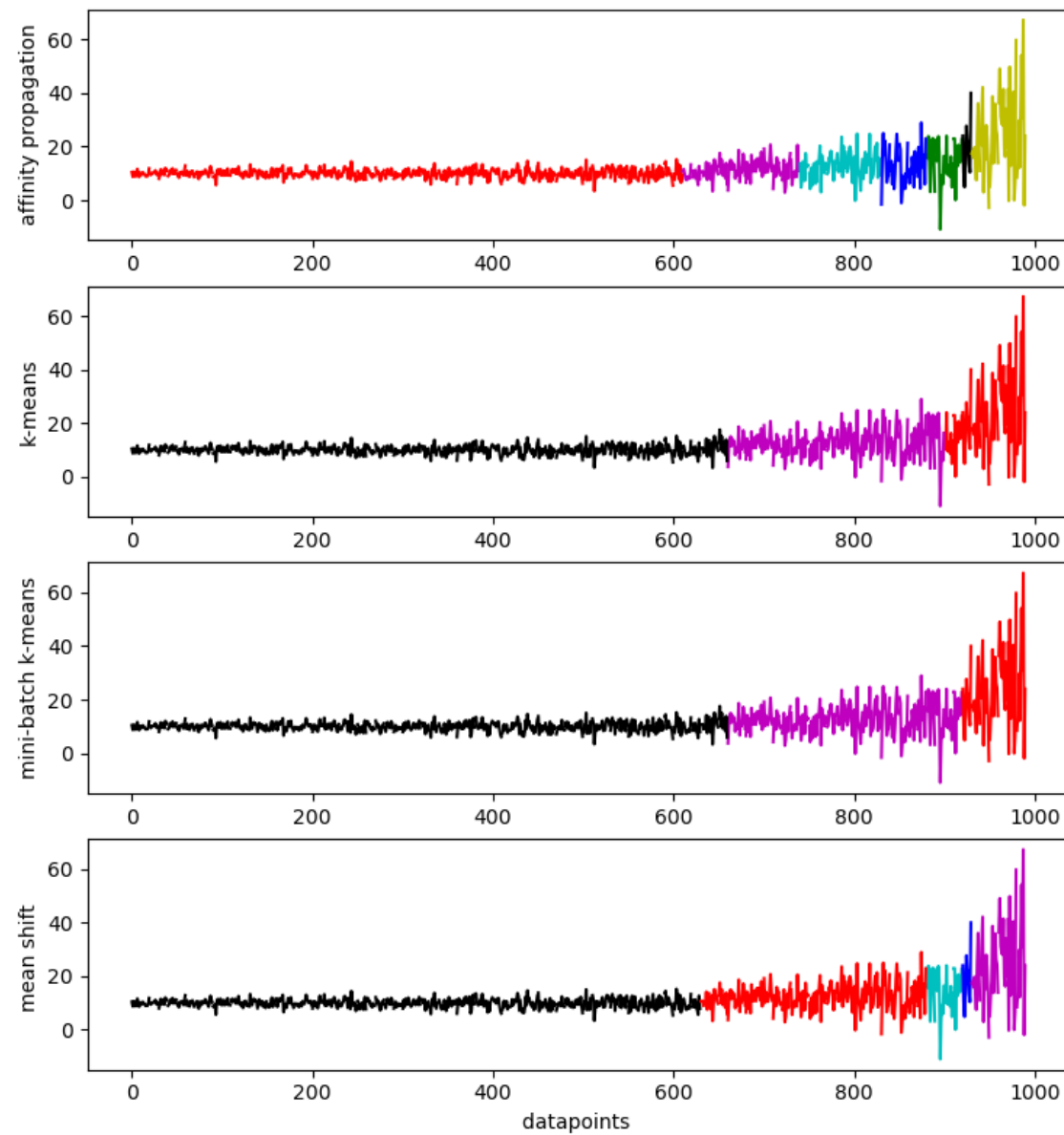
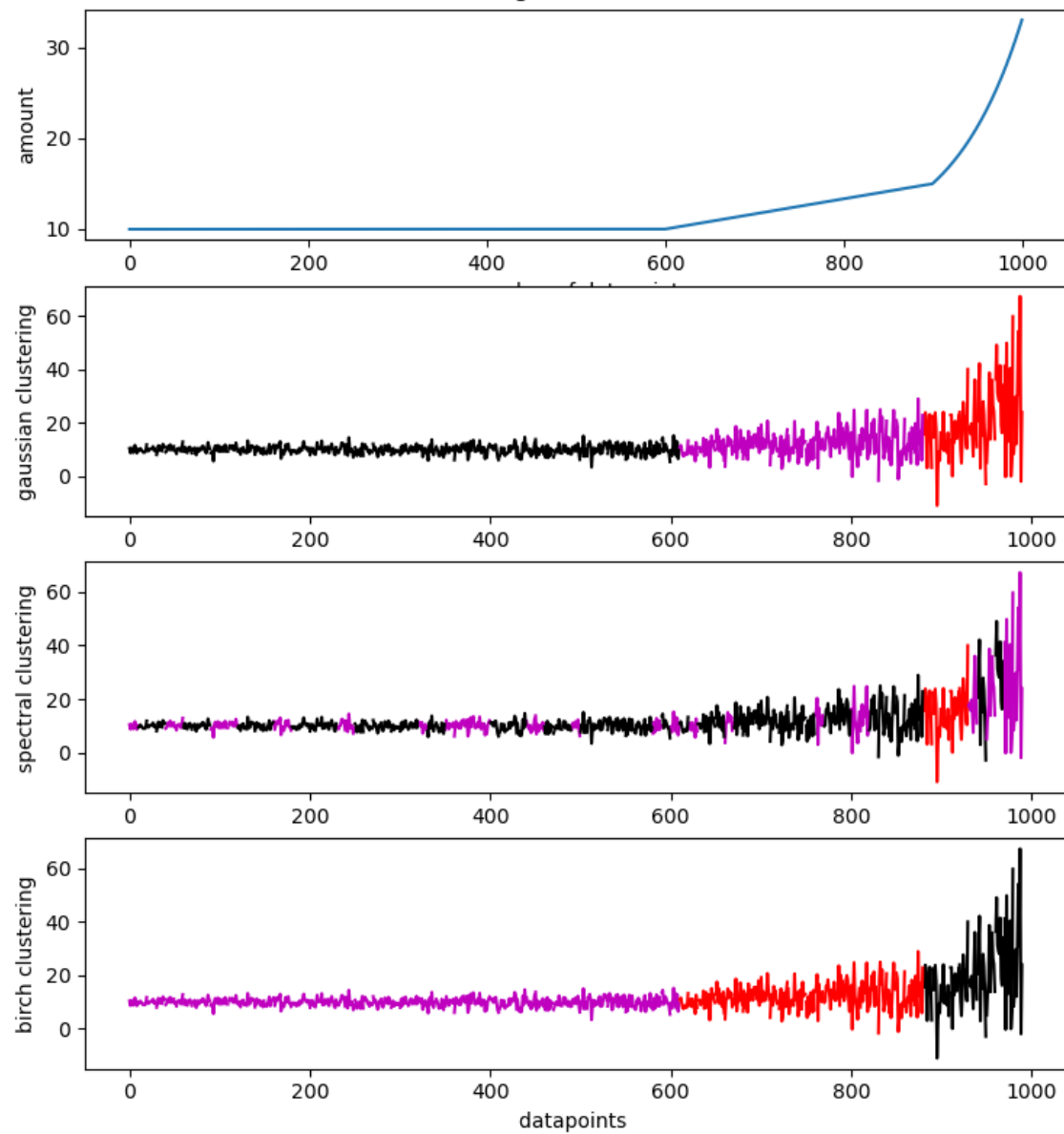


2D view of features



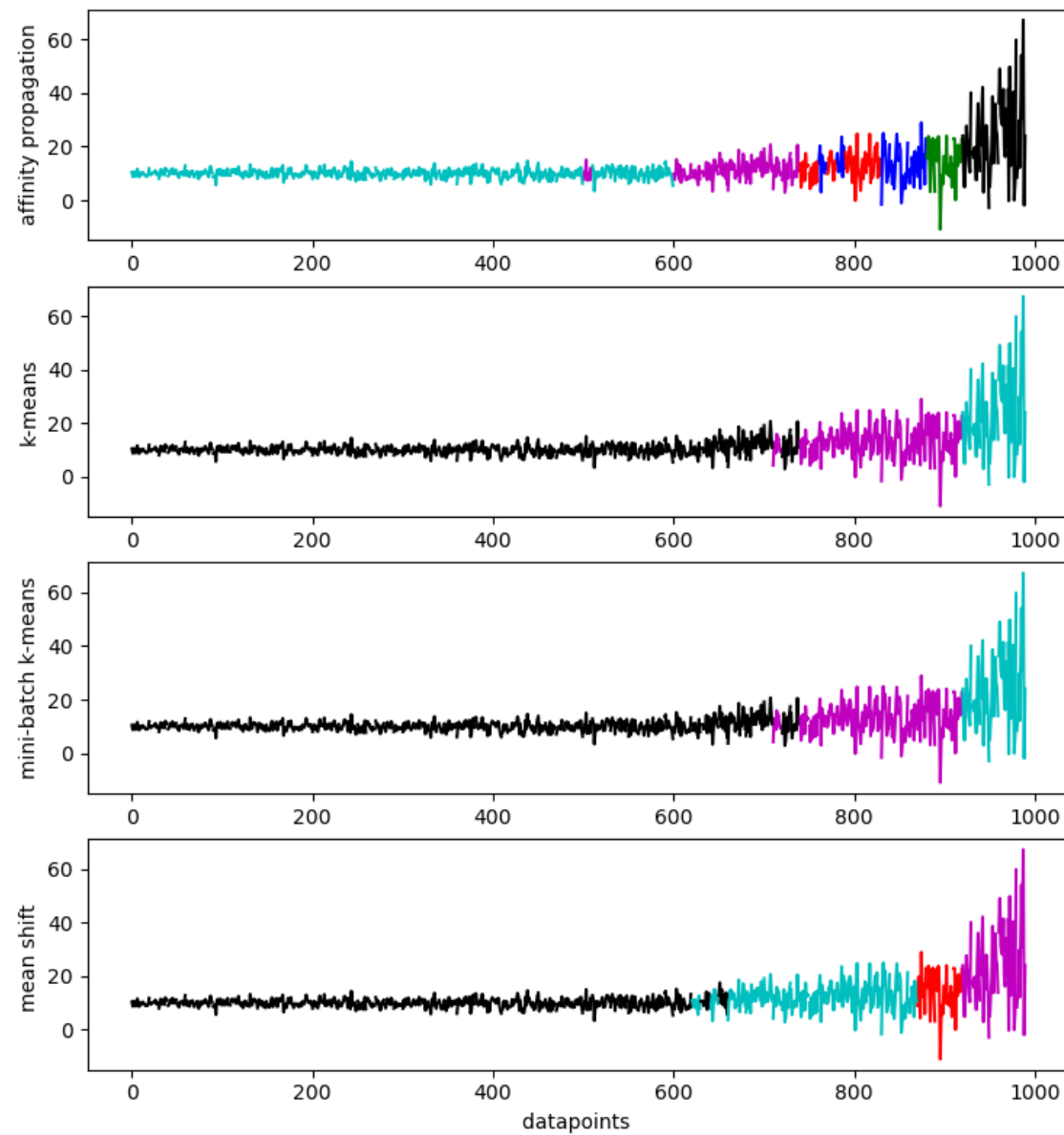
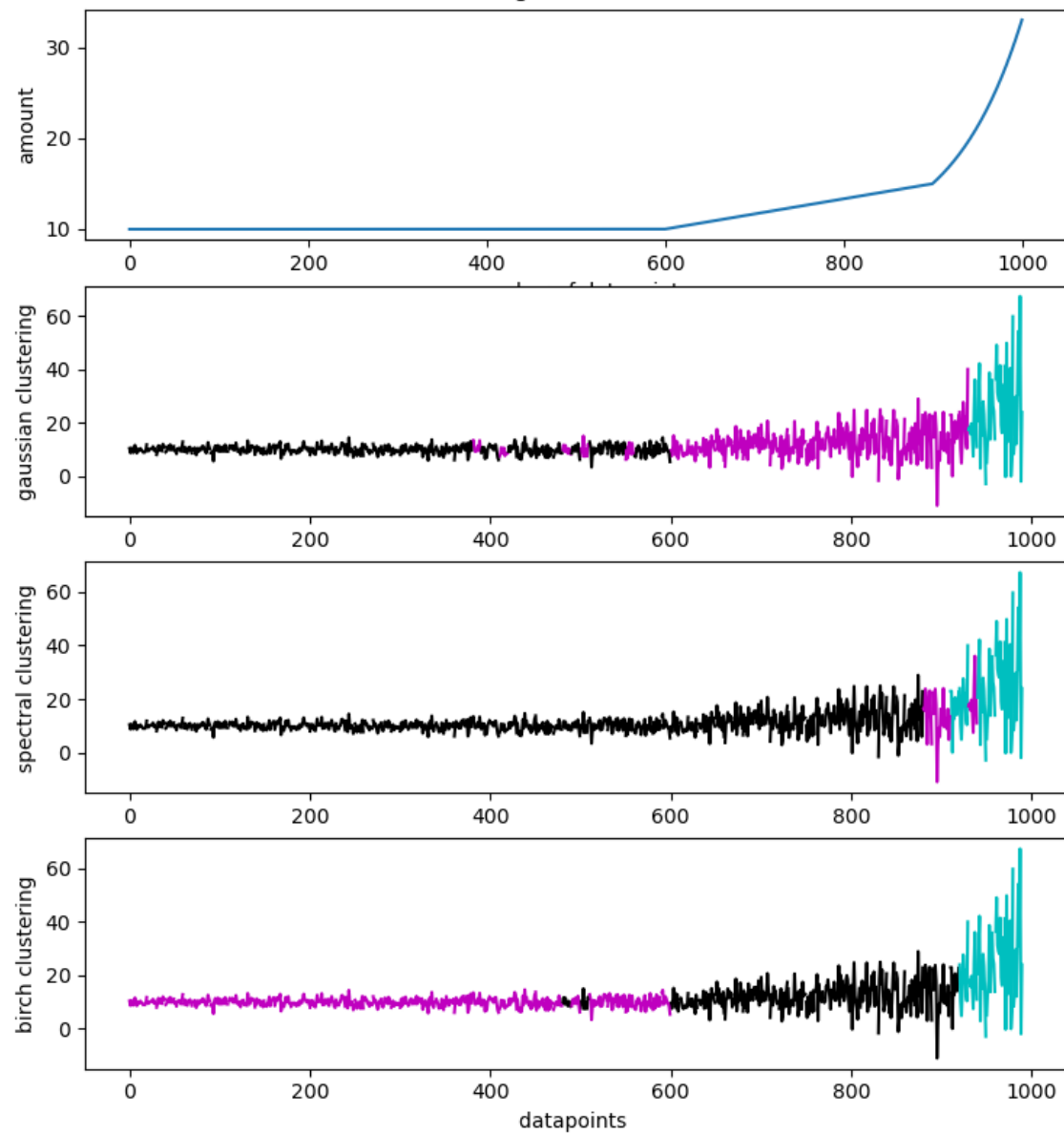
using PCA

title= signal without color

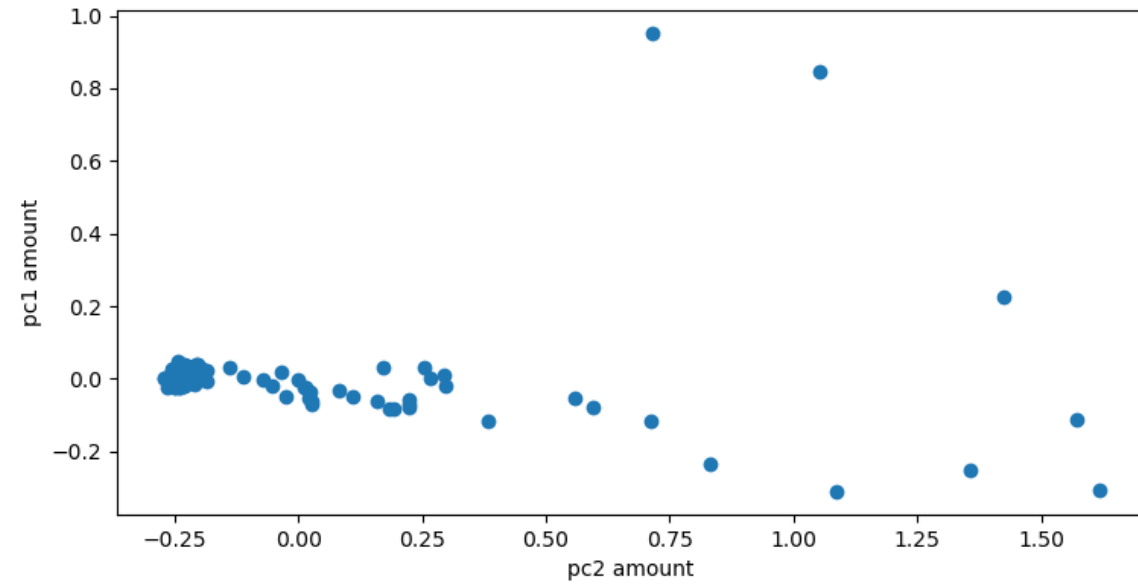


using PCA

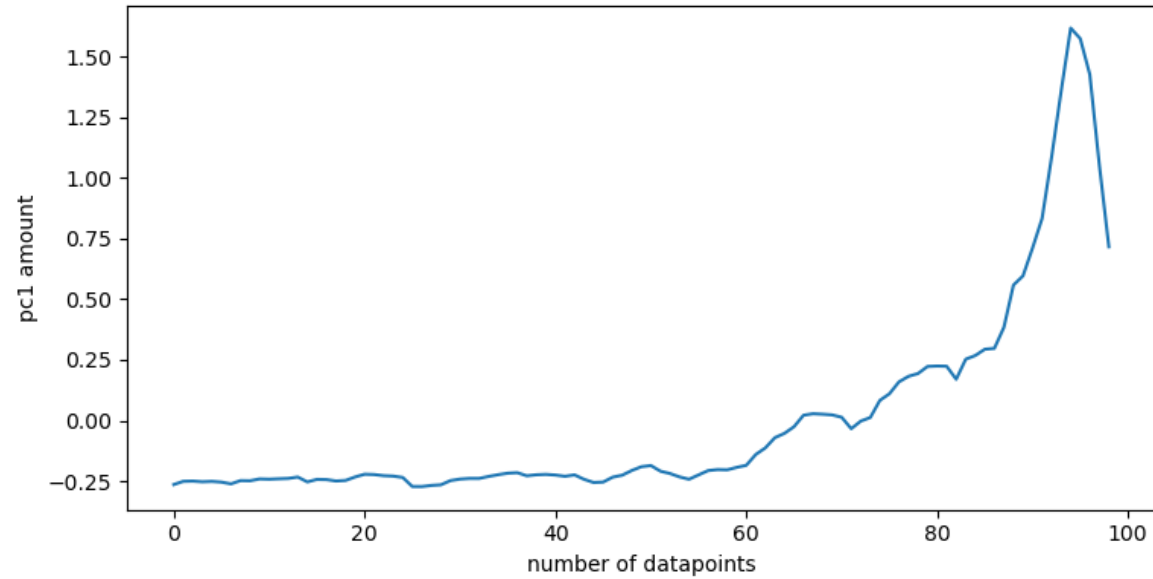
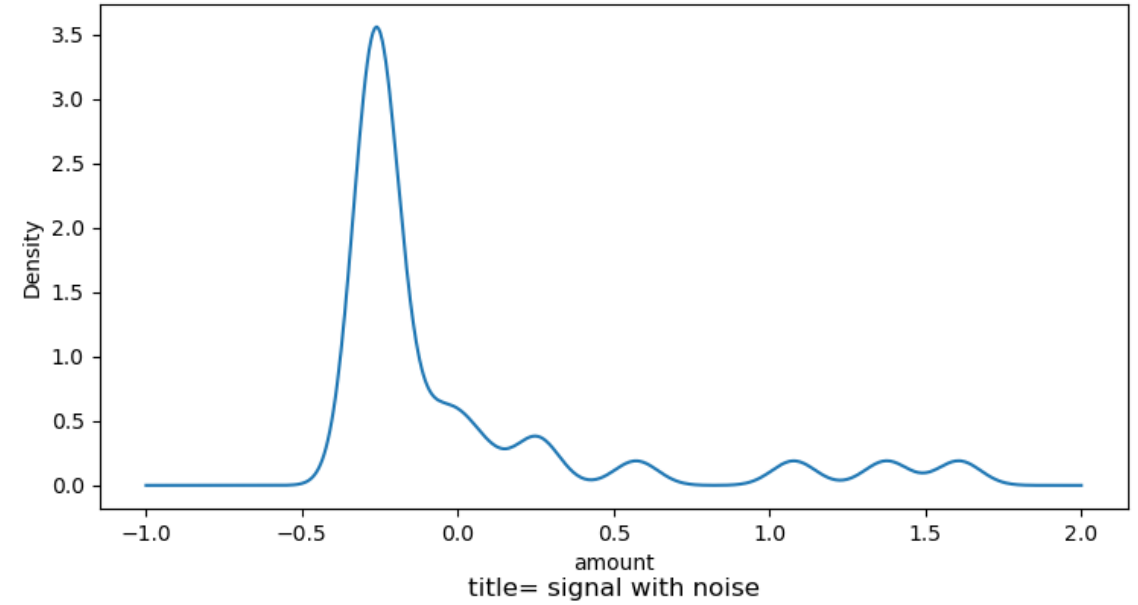
title= signal without color



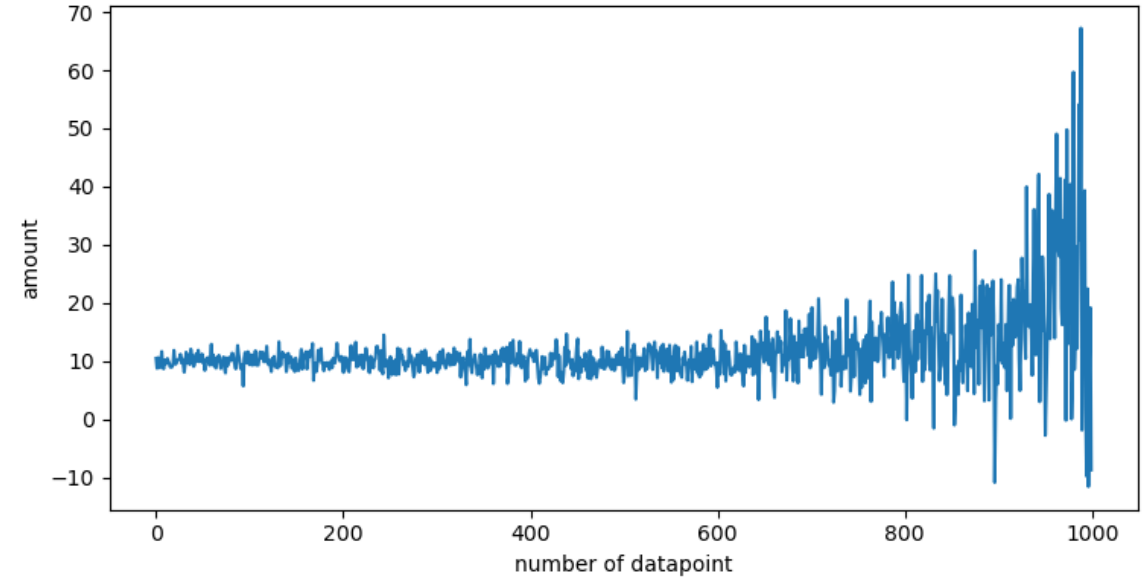
gaussian clustering



Kernel density estimation



title= signal with noise



End