VISUALIZATION OF THE PROPOSED ALGORITHM

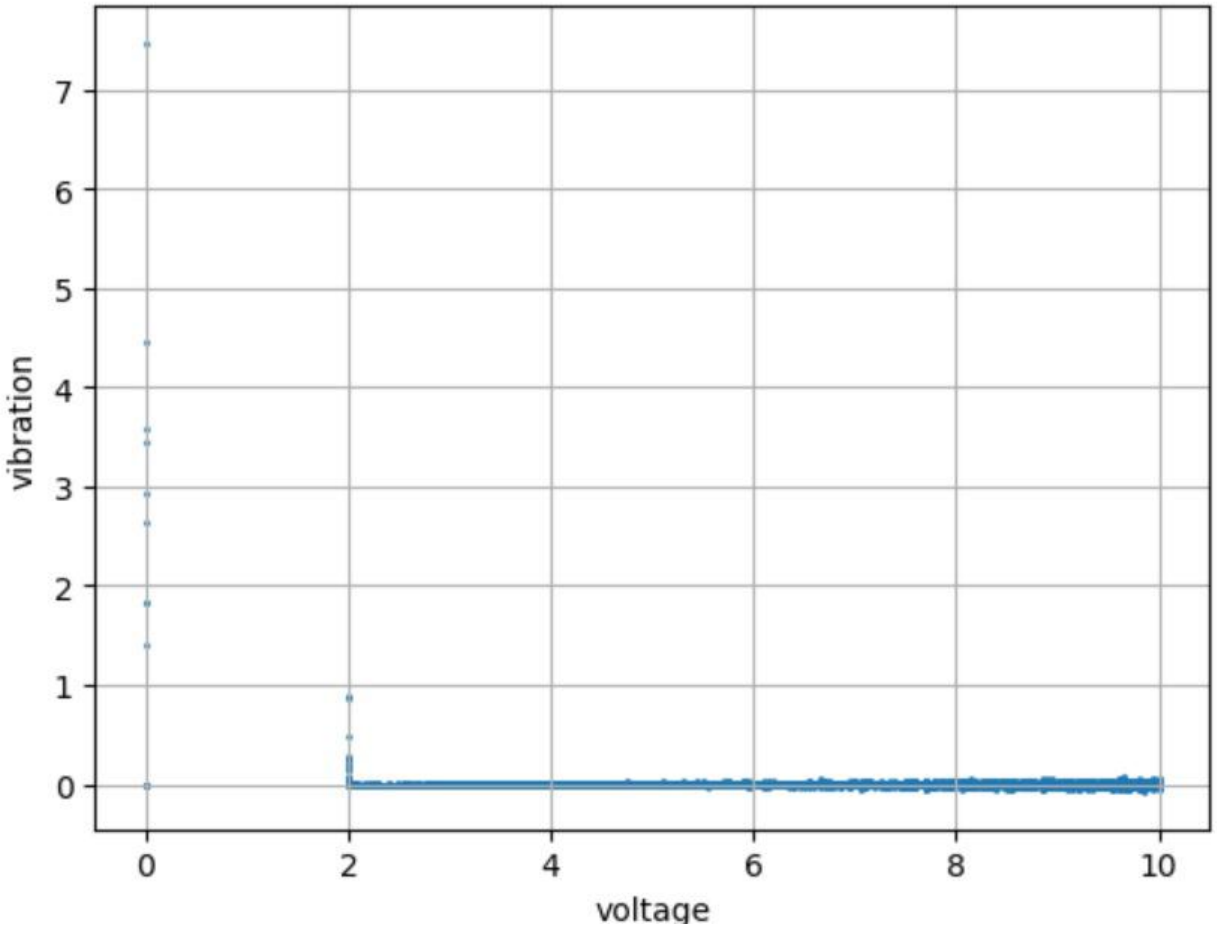

Fig 1 shows the relation between voltage and vibration of the rotating shaft

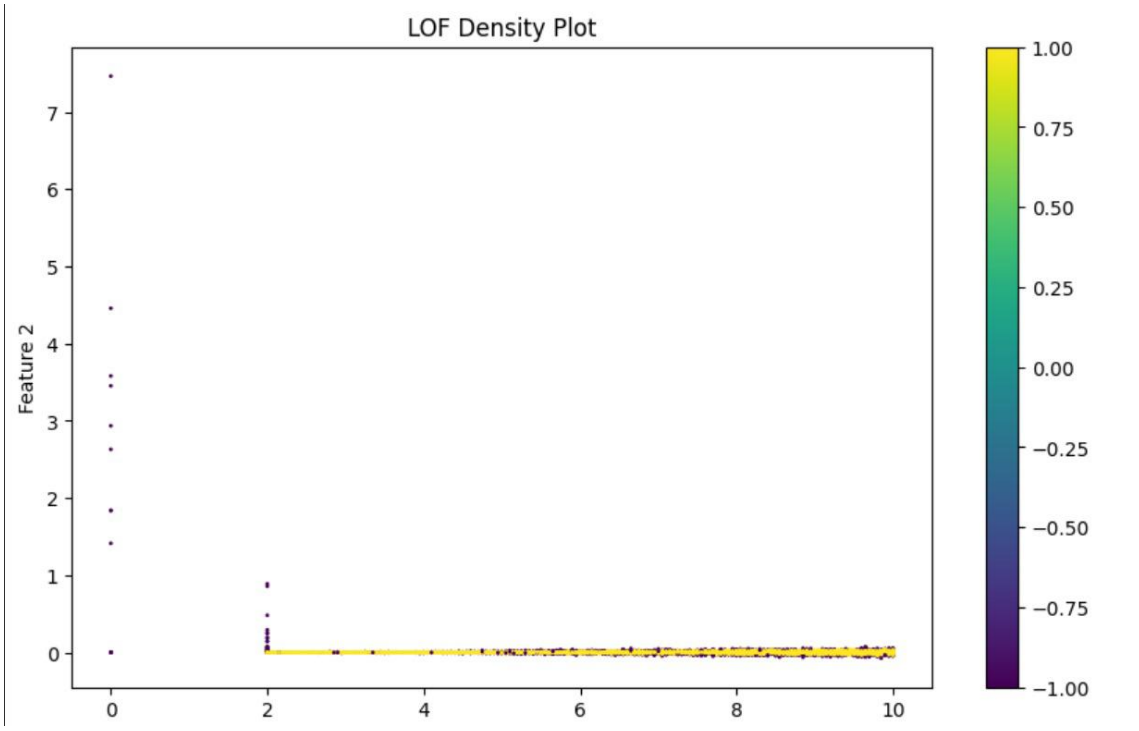

Fig 2

Fig 2 differentiates anomaly points and normal points where yellow dots represents normal data points and violet dots represents anomaly points

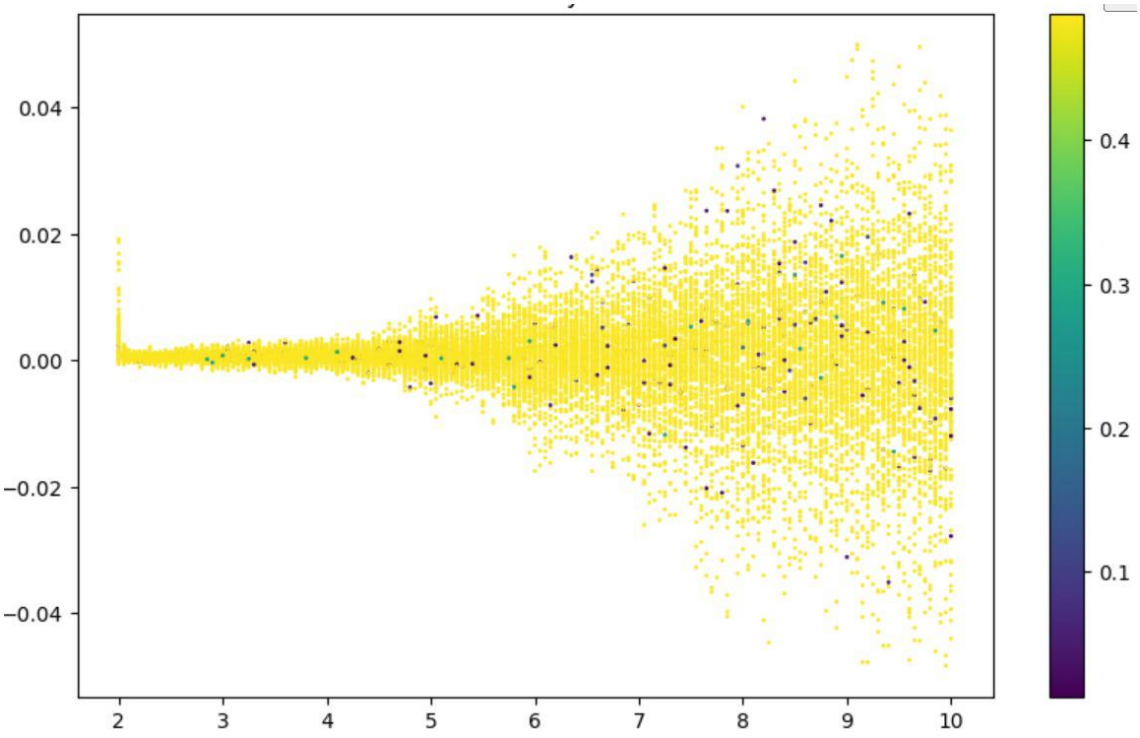

Fig 3 depicts the entropy value of the anomaly points using the suggested Entropy Weighted Matrix method

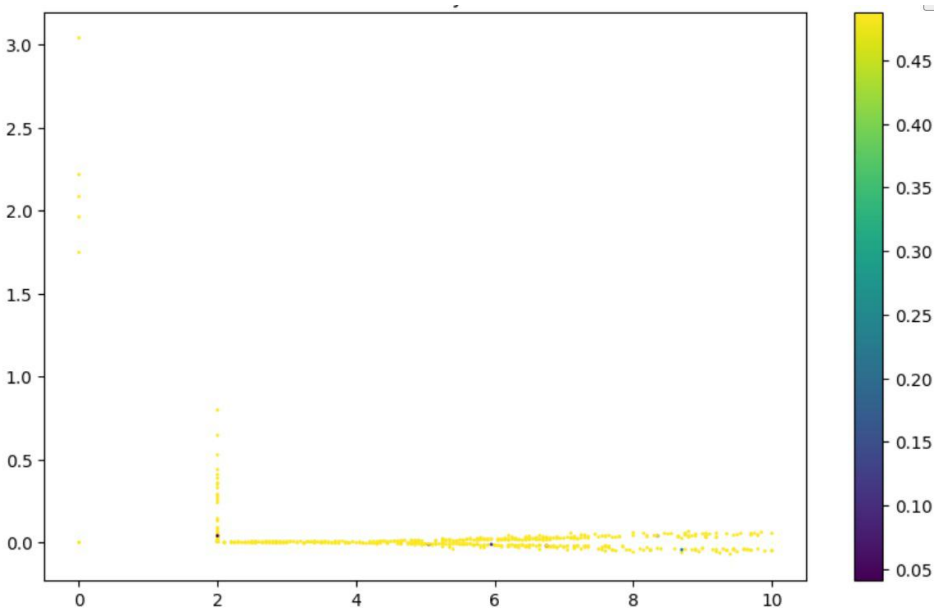

Fig 4

Fig 4 show the entropy value of the normal data points

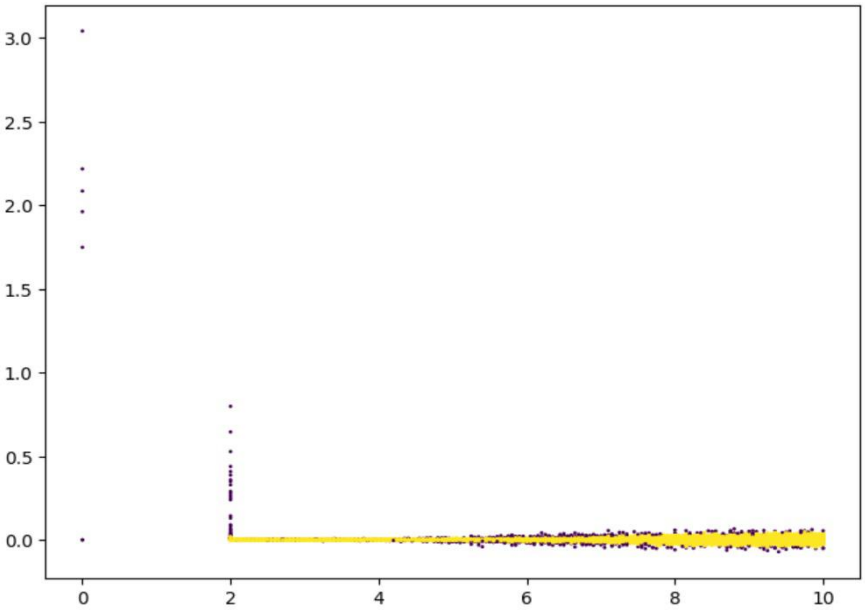

Fig 5 picturizes the updated anomaly points found using the enhanced algorithm.

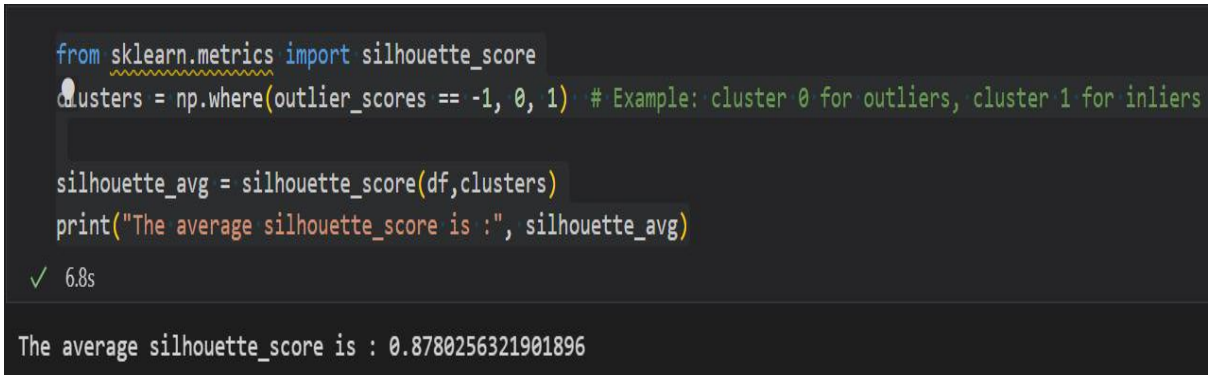

Fig 6 gives the silhouette score of the normal LOF algorithm (silhouette score is a clustering metrics used for finding how well the clustering is done)

Fig 7 reveals the improved silhouette score of the Weighted Matrix Local Outlier Factor(WMLOF)