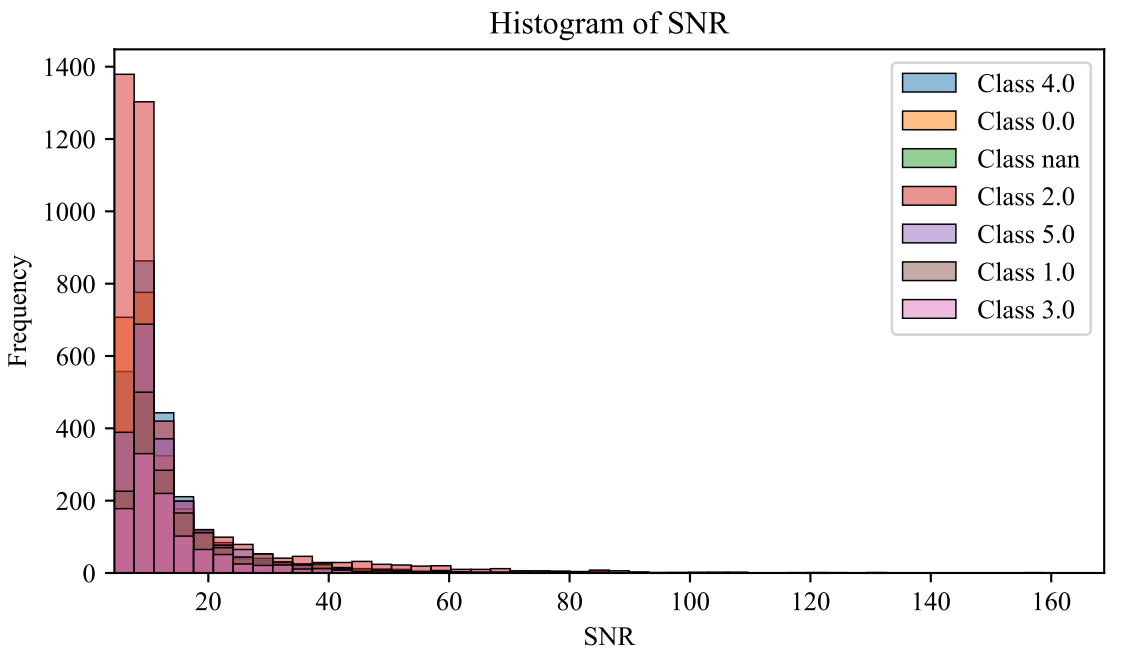
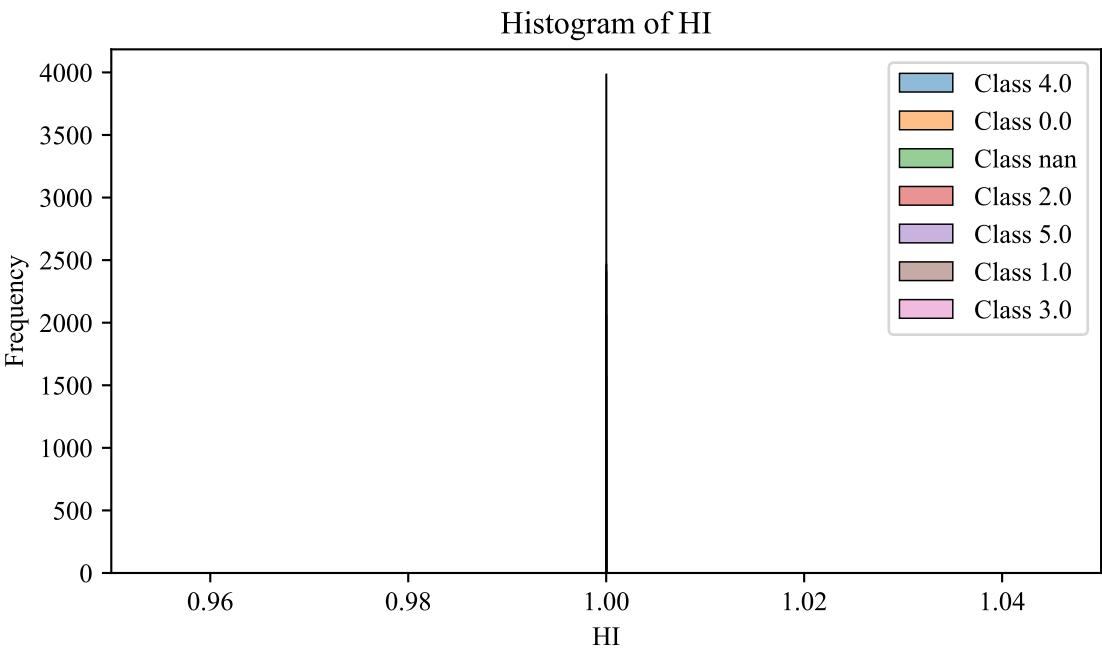
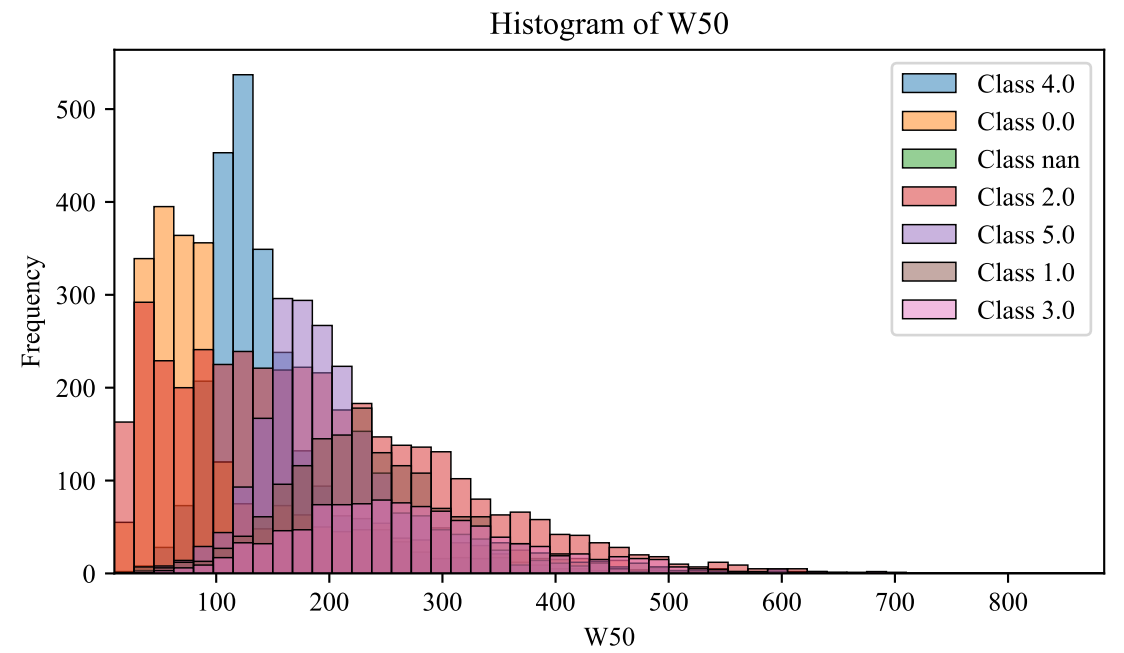
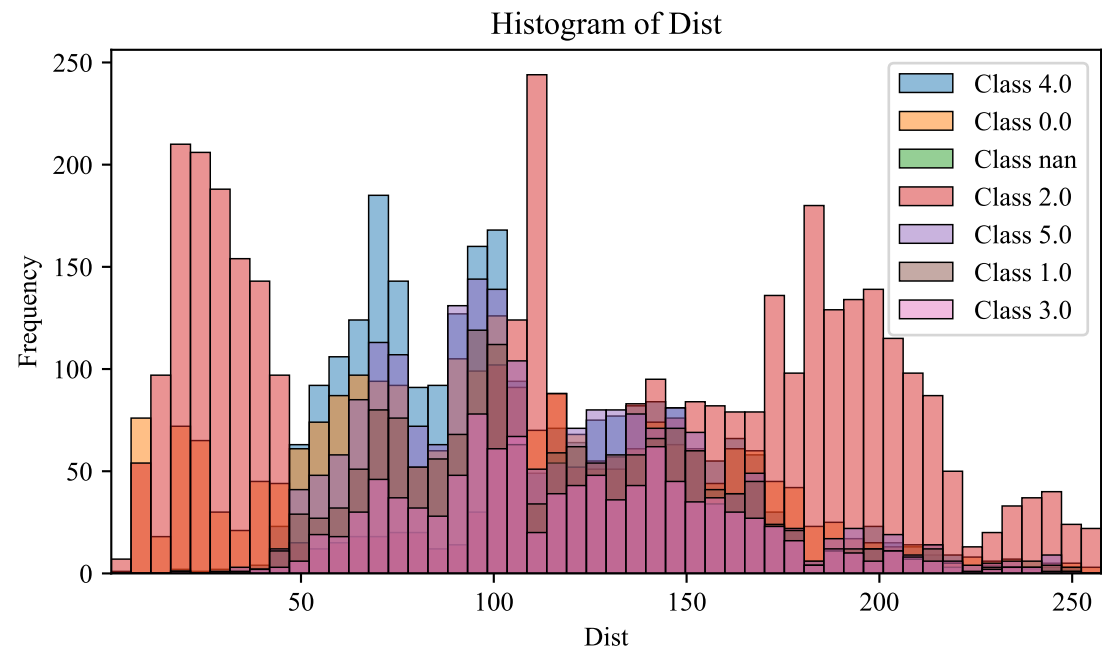
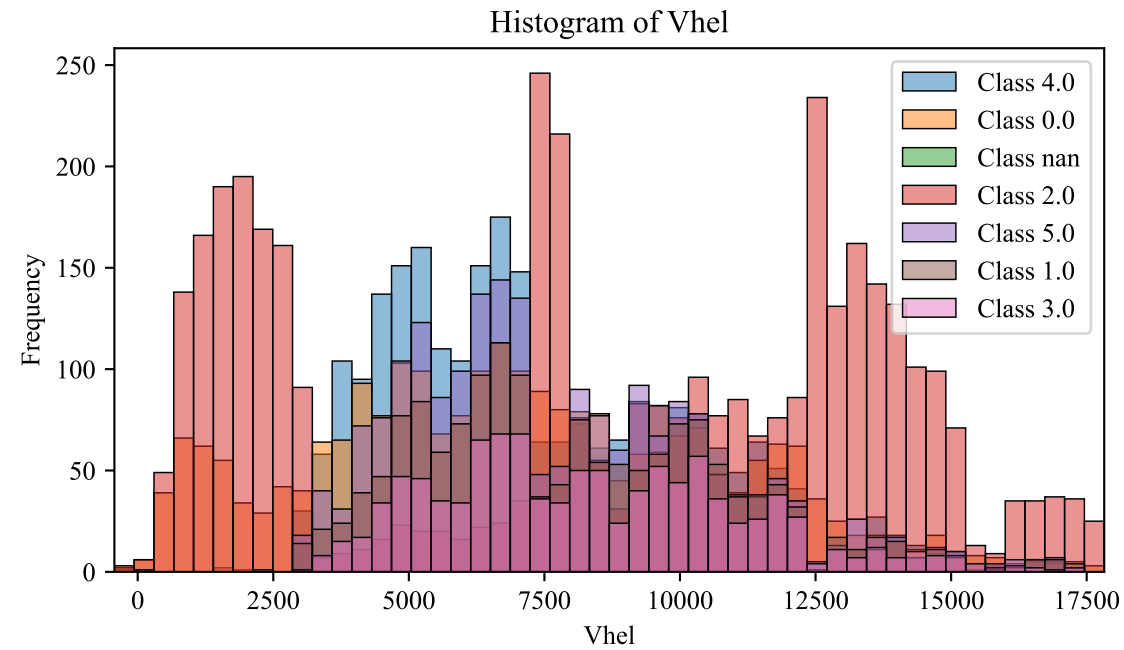
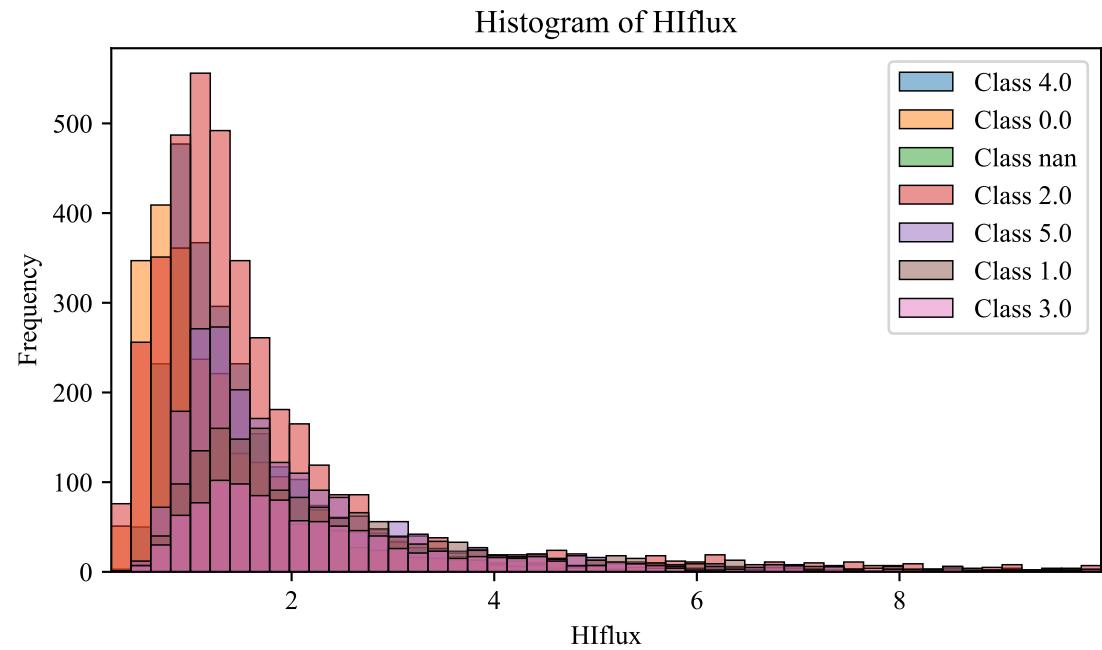
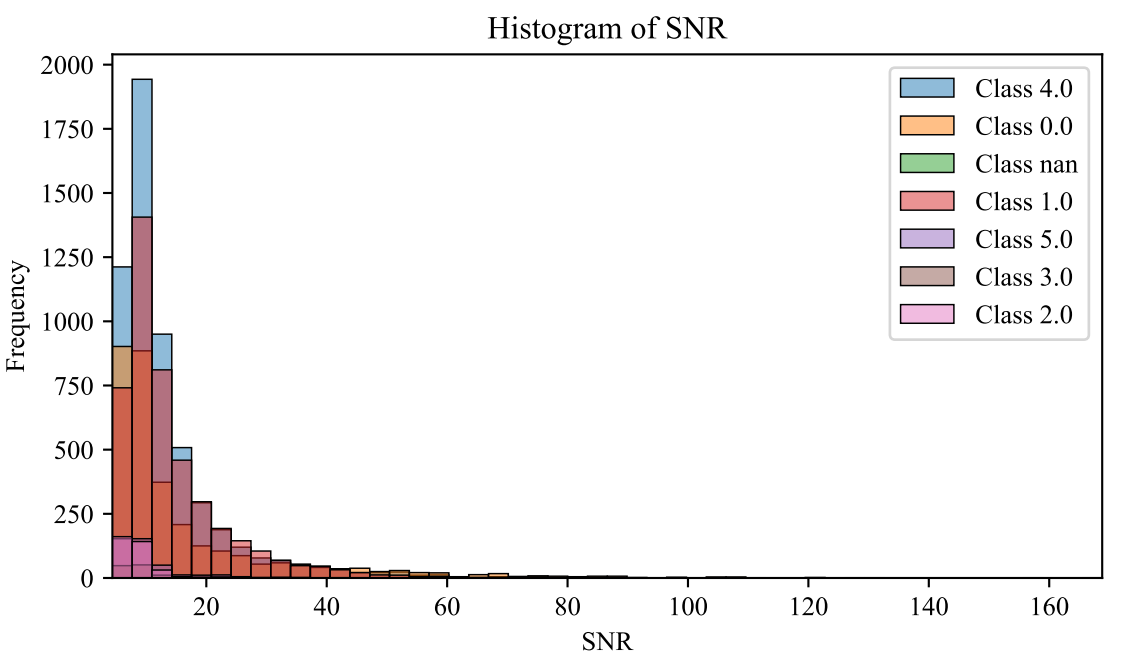
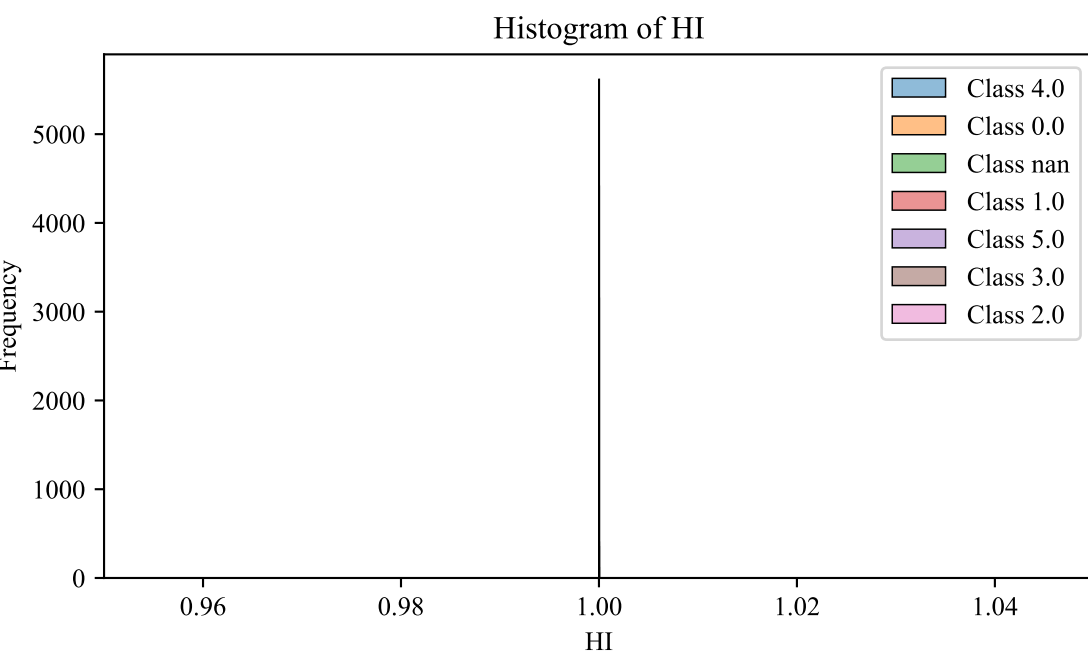
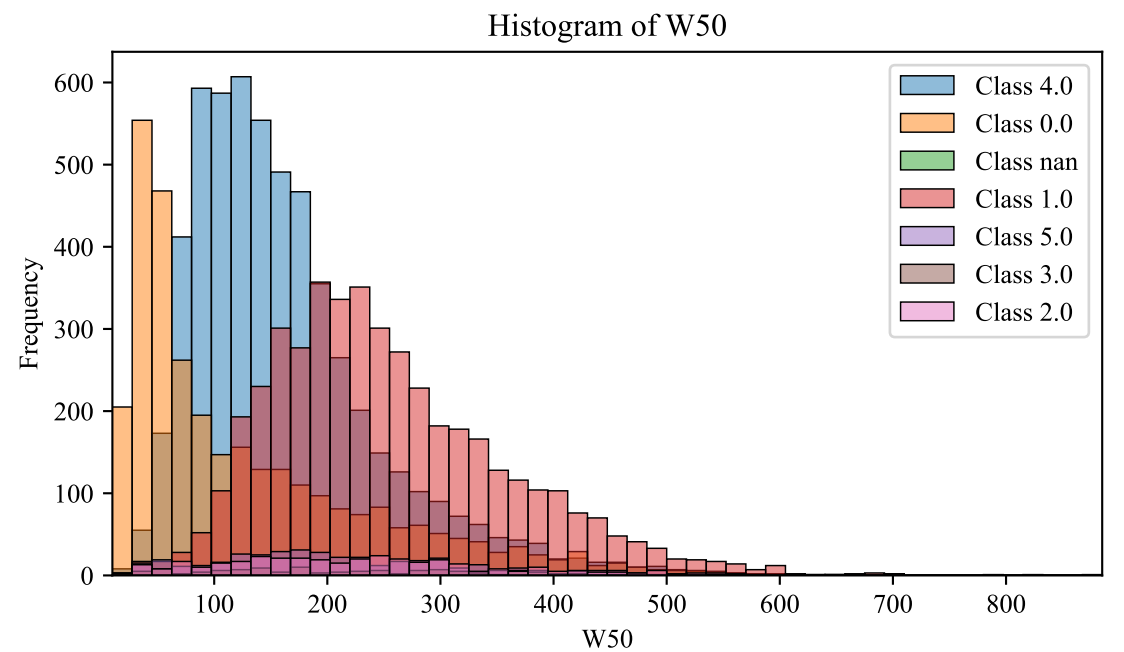
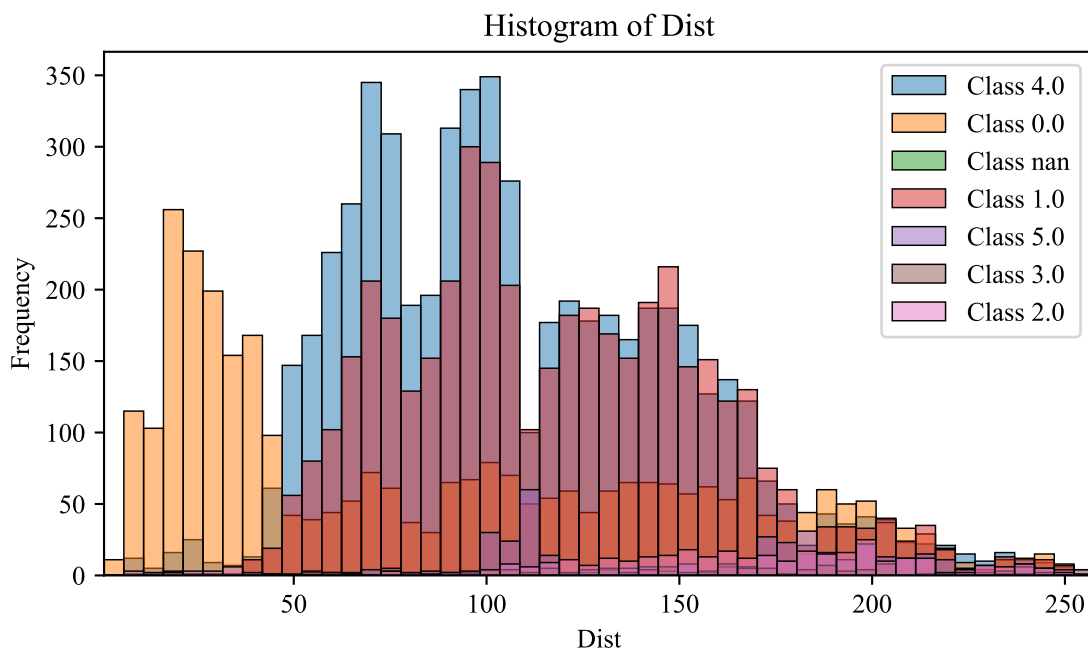
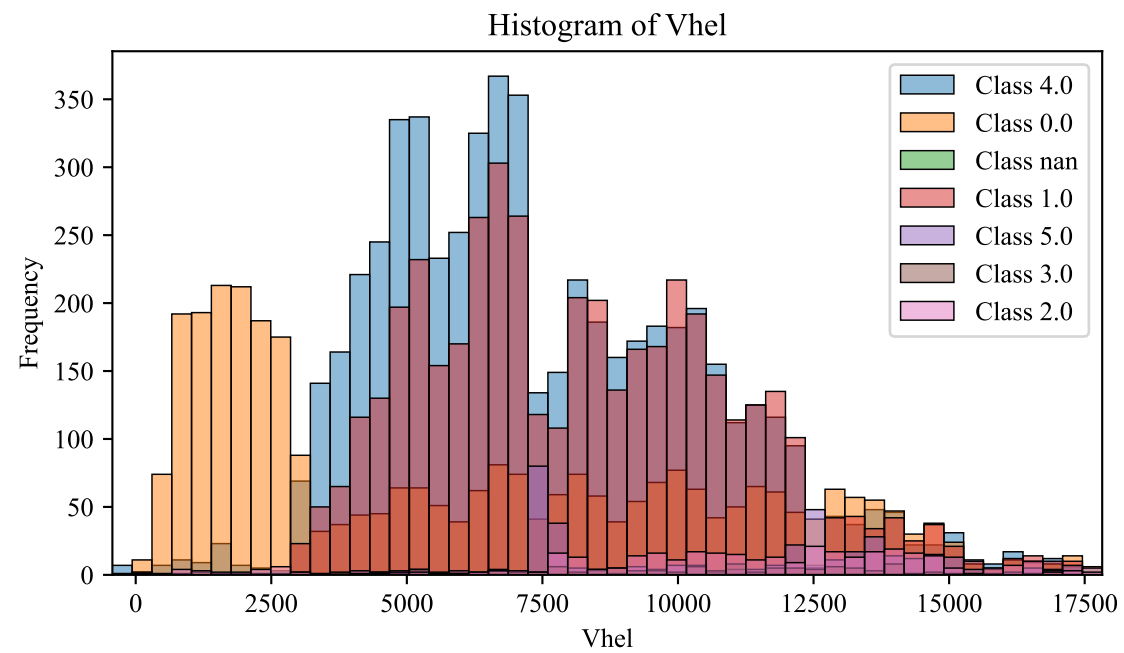
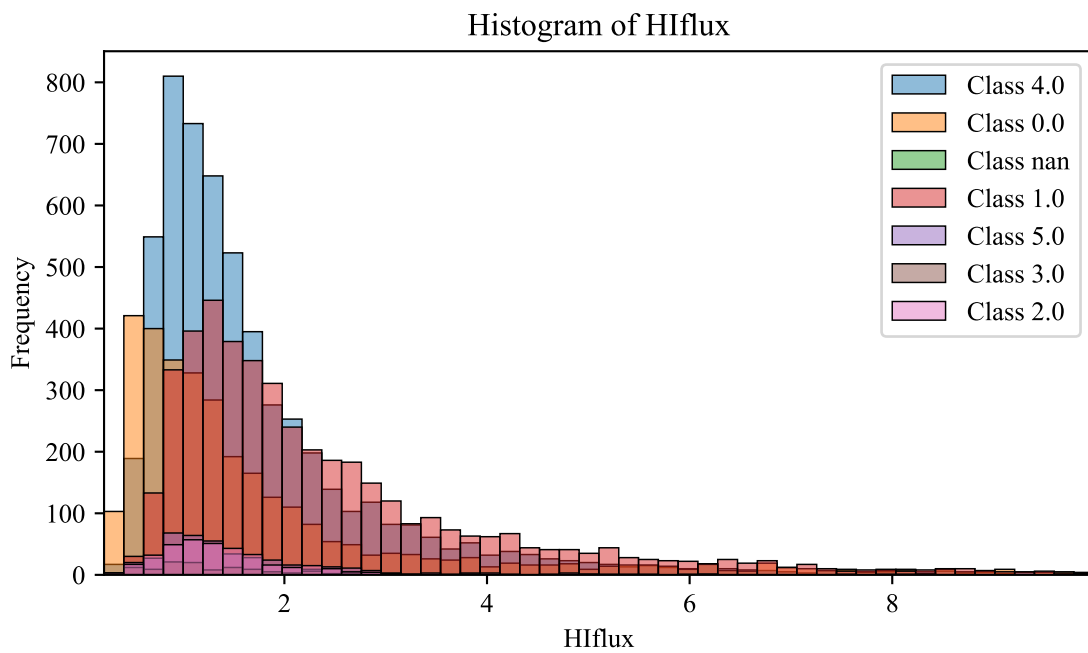


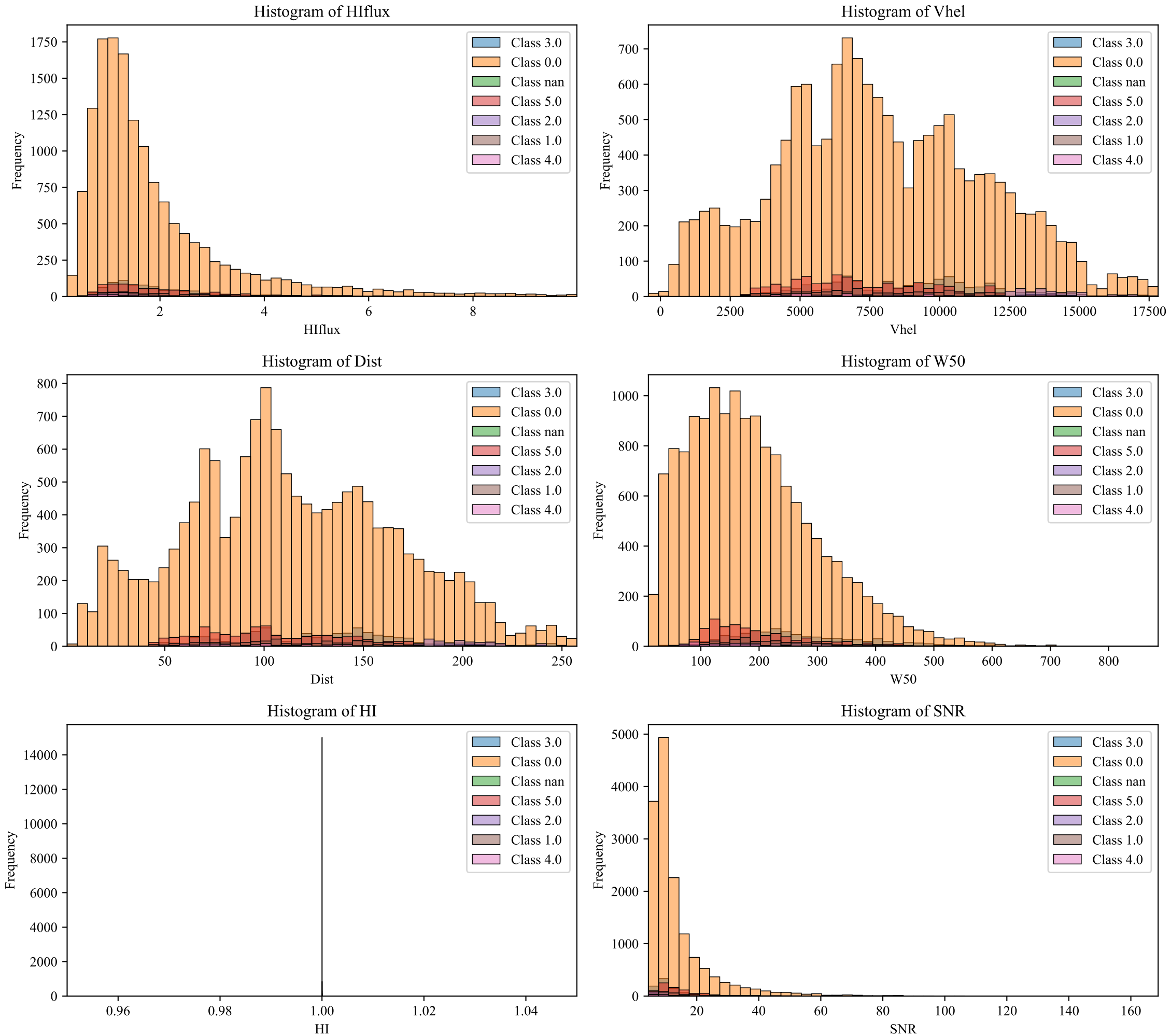
Classification: KNN\_Regular\_Shapelets, Clustering Method: k\_means



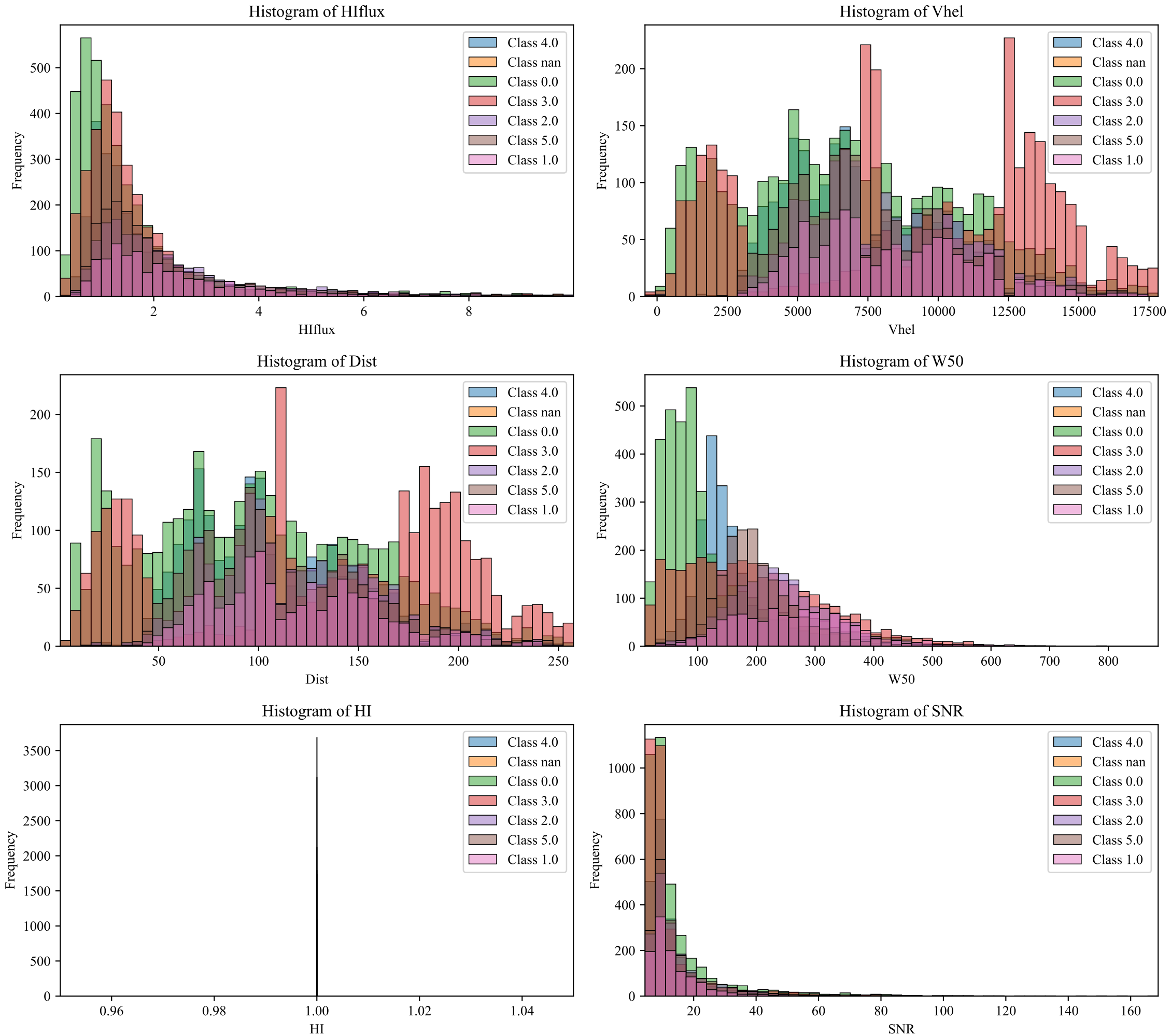
# Classification: KNN\_Regular\_Shapelets, Clustering Method: spectral\_clustering



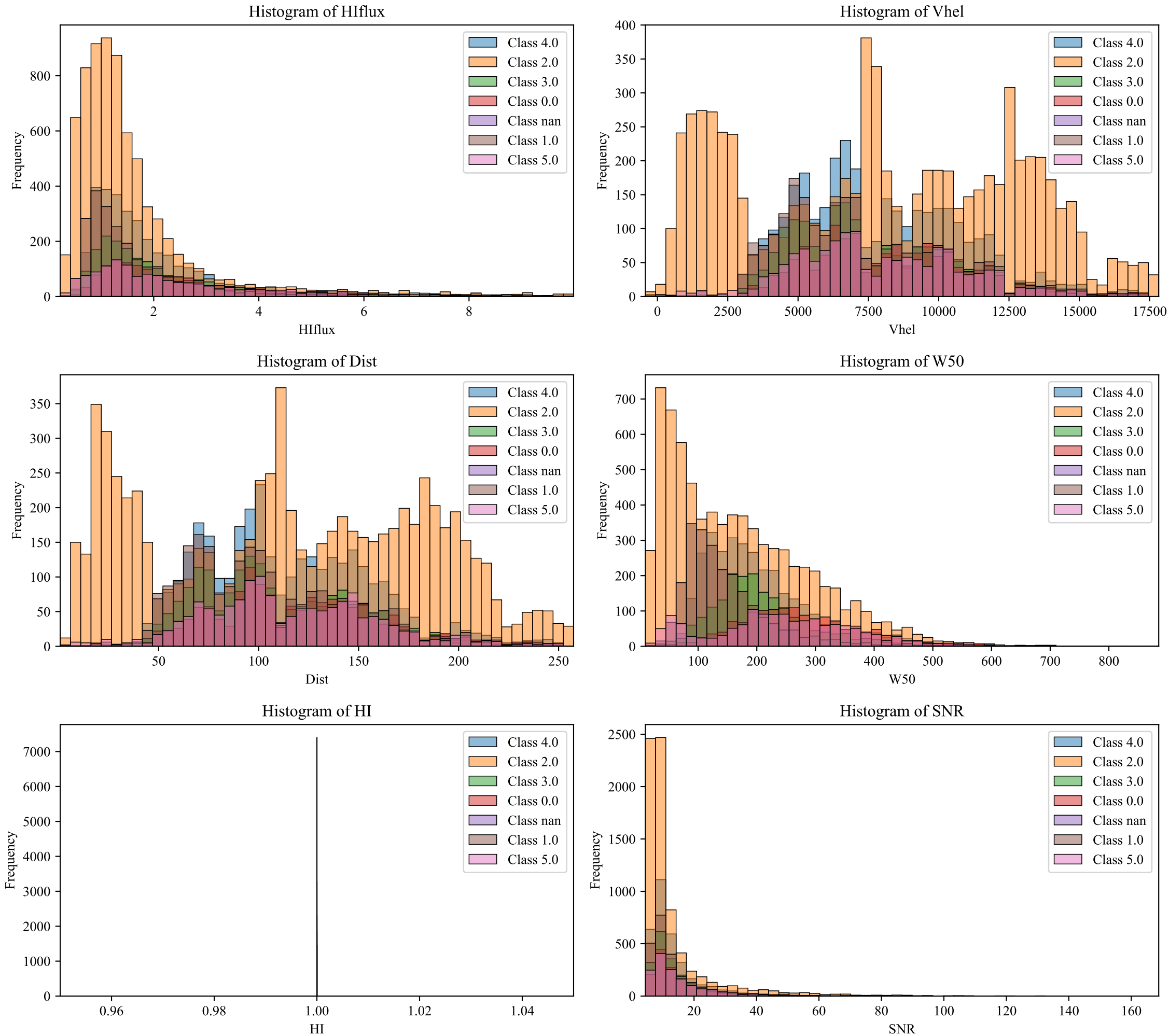
Classification: KNN\_Regular\_Shapelets, Clustering Method: DBSCAN



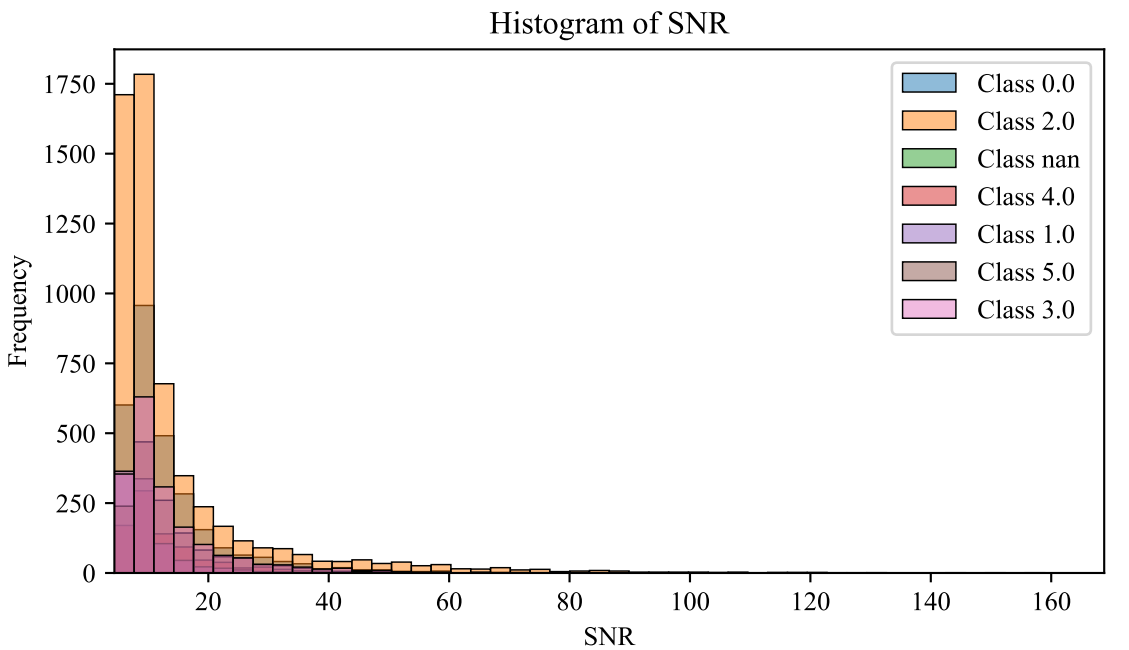
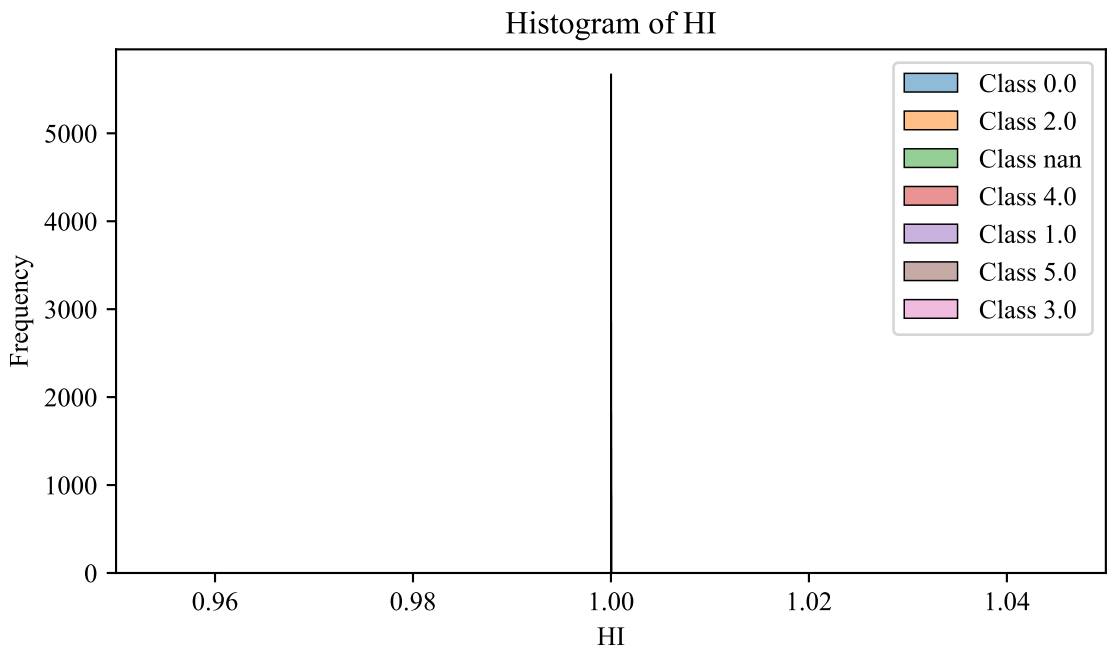
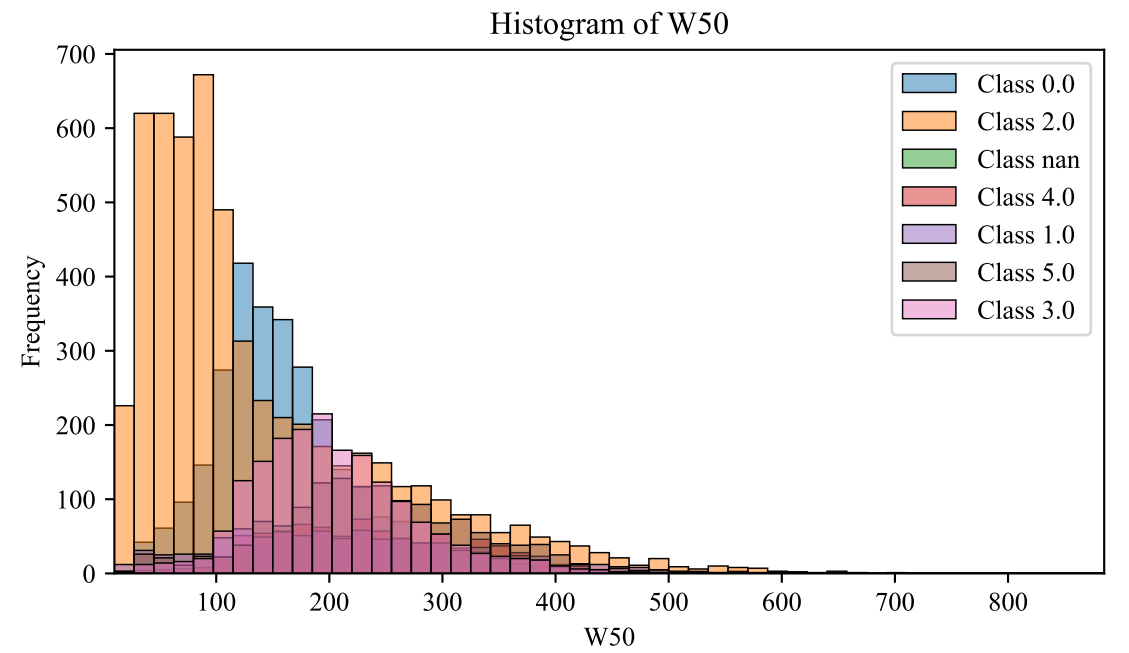
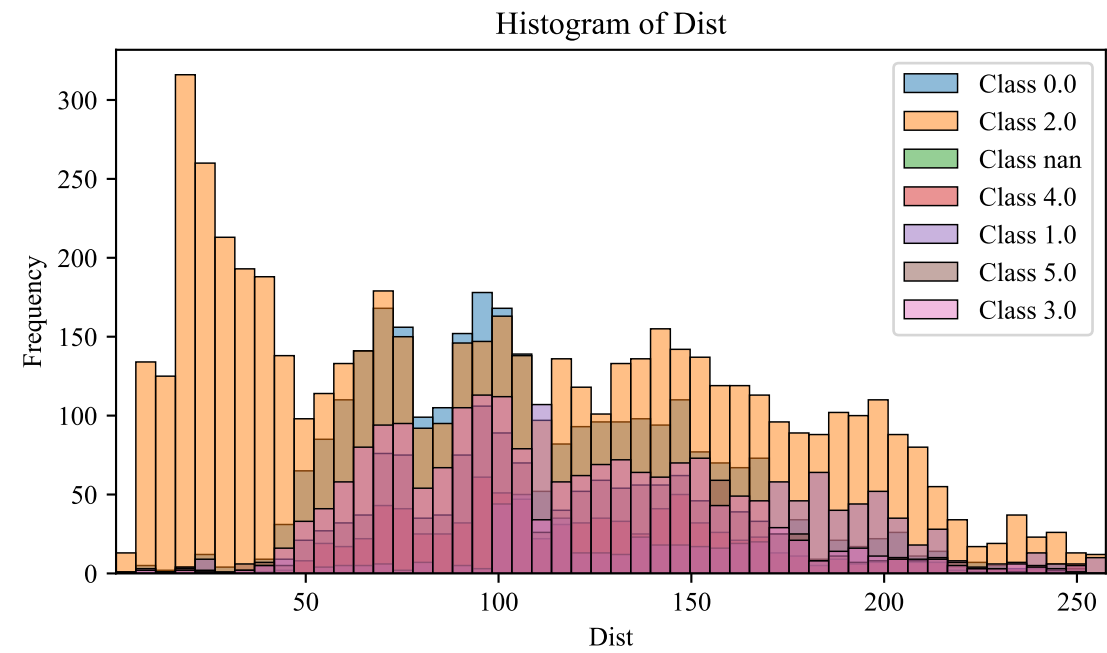
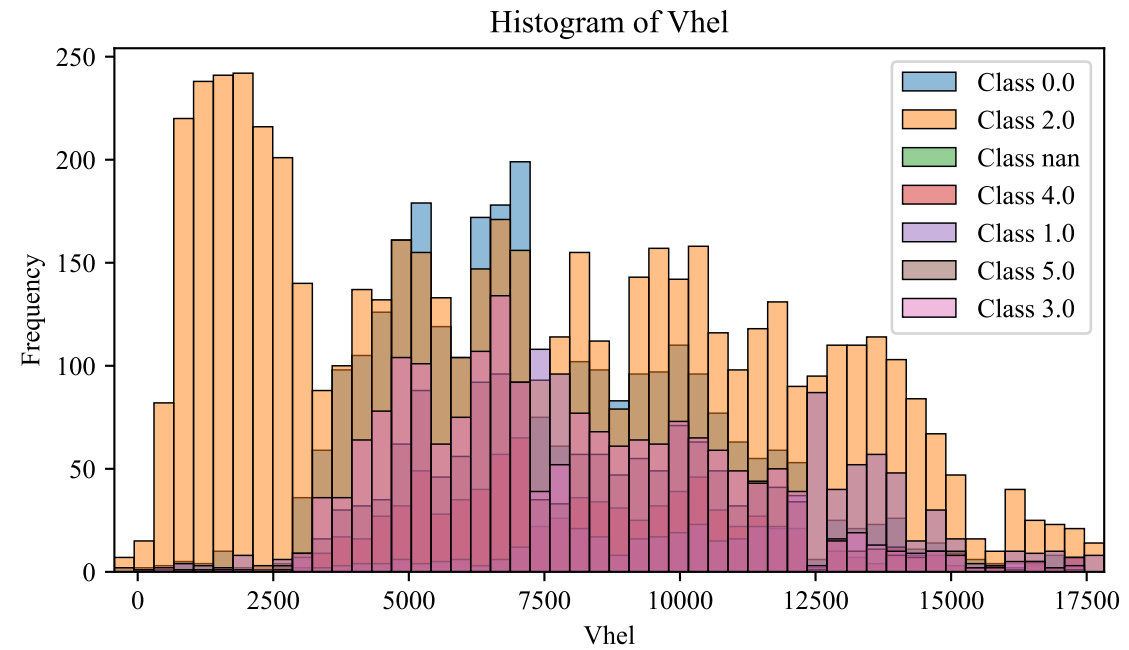
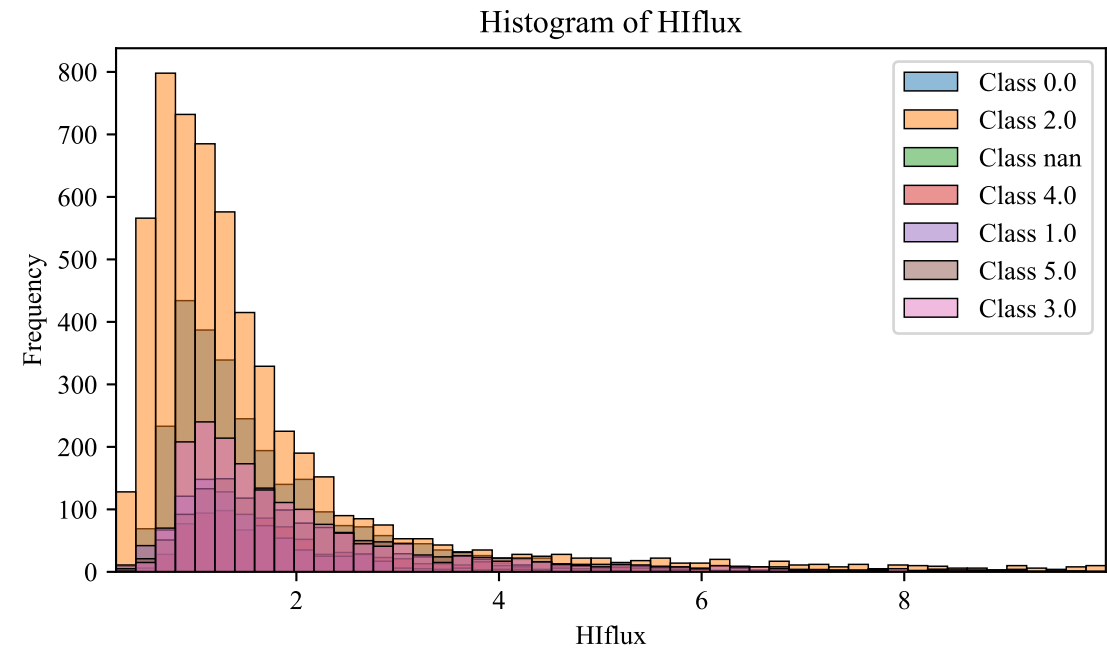
Classification: KNN\_Regular\_Shapelets, Clustering Method: AgglomerativeClustering



Classification: KNN\_Regular\_Shapelets, Clustering Method: AffinityPropagation

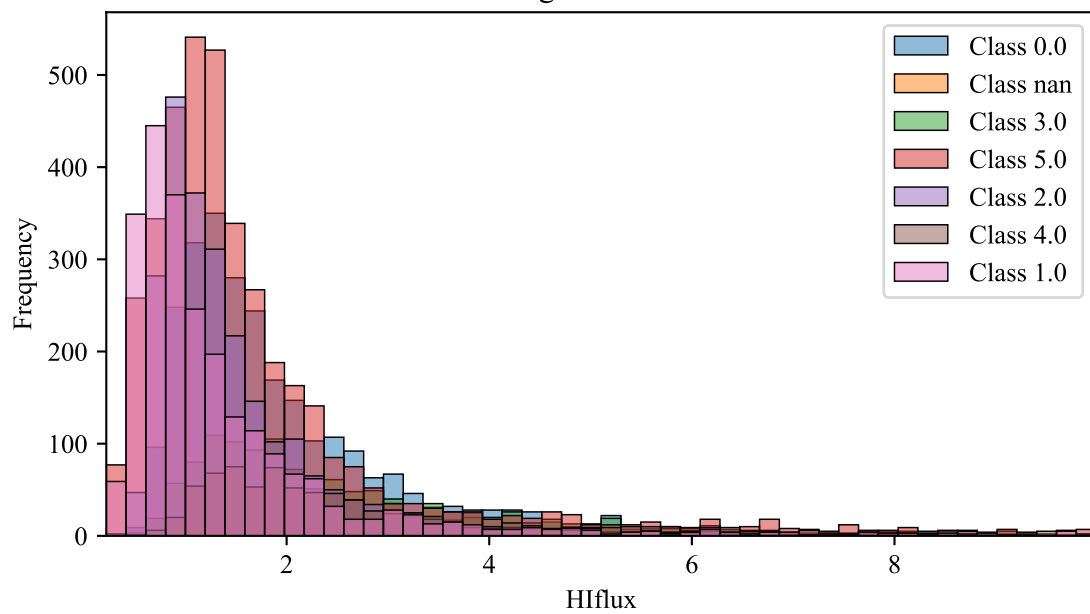


Classification: KNN\_Regular\_Shapelets, Clustering Method: GaussianMixture

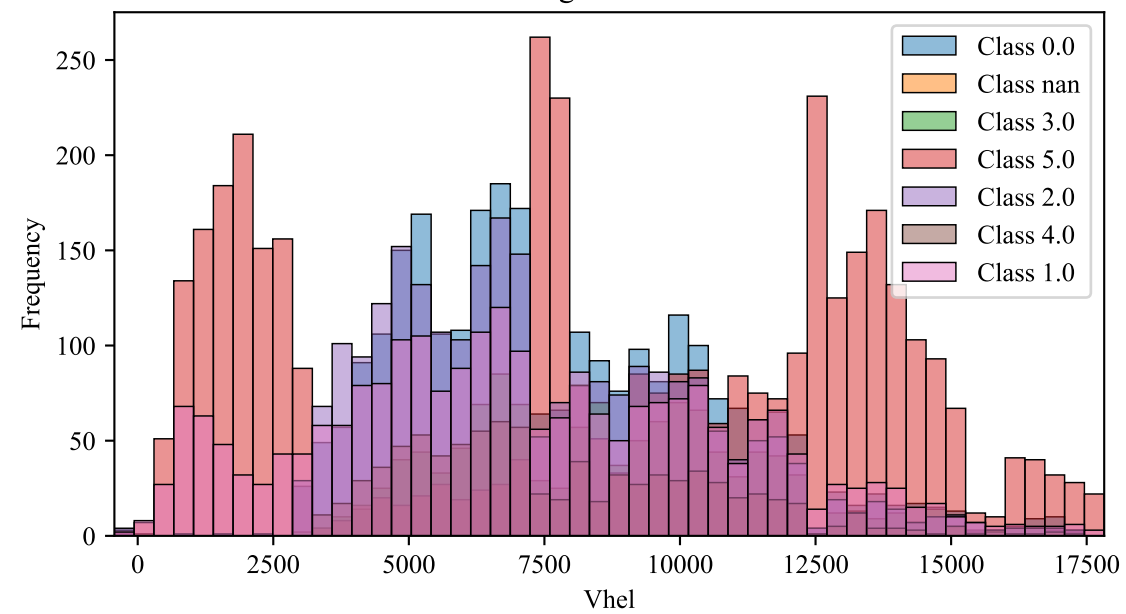


# Classification: SVM\_Shapelets, Clustering Method: k\_means

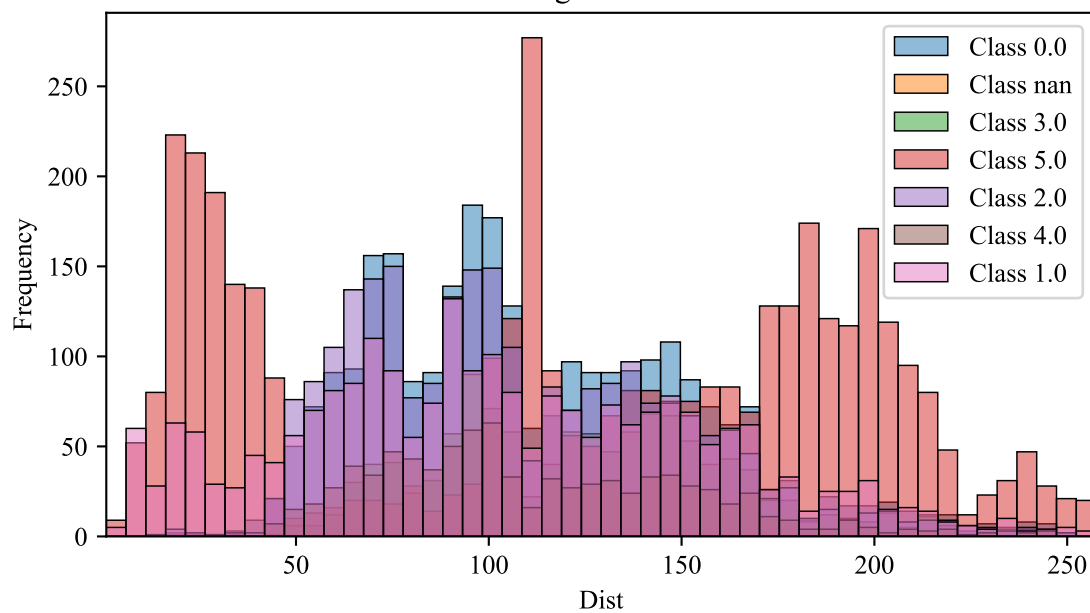
## Histogram of HIflux



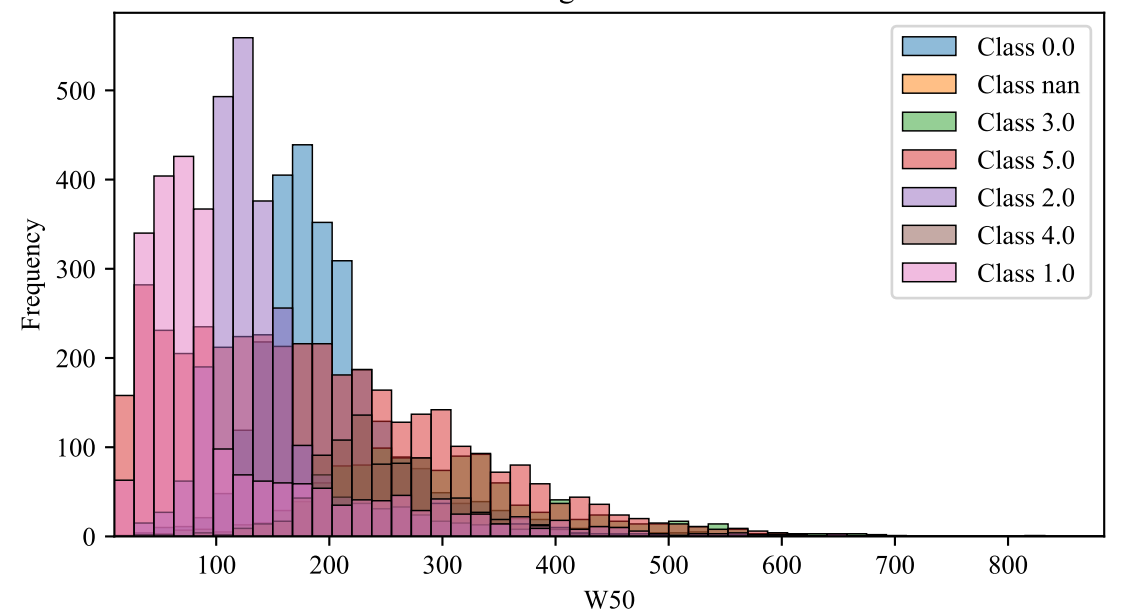
## Histogram of Vhel



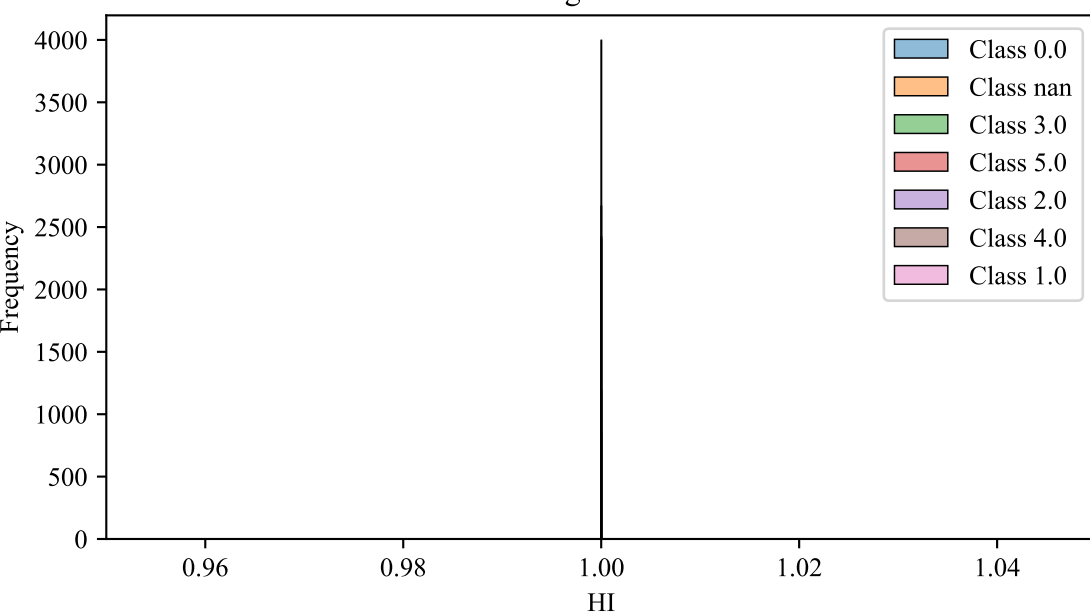
## Histogram of Dist



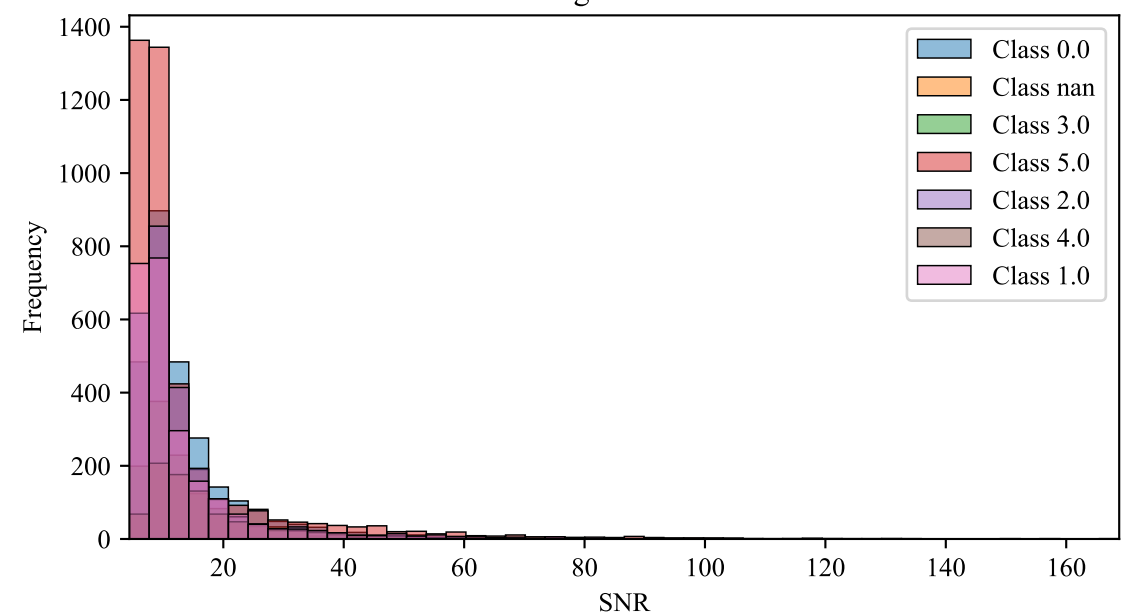
## Histogram of W50



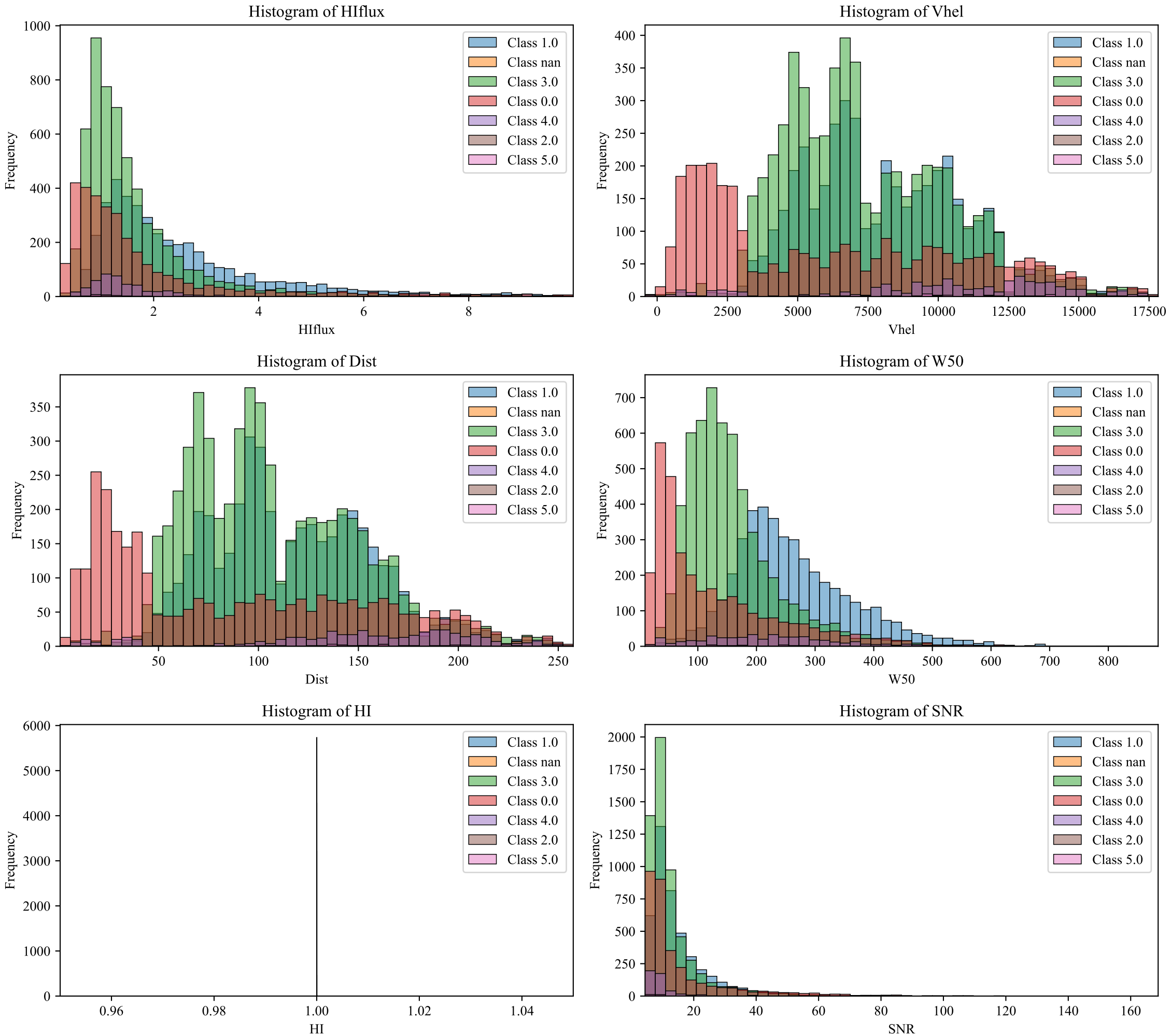
## Histogram of HI



## Histogram of SNR

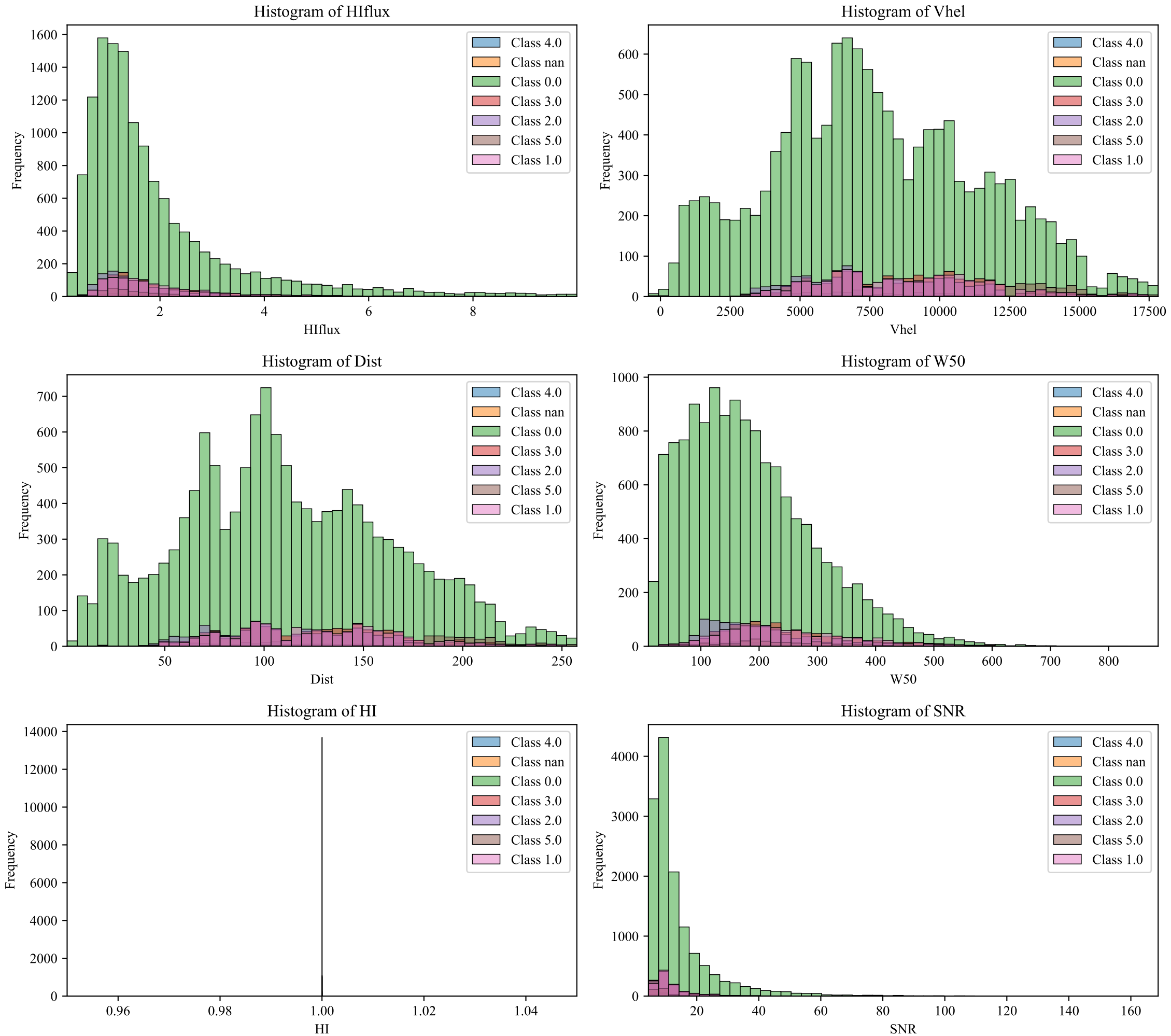


Classification: SVM\_Shapelets, Clustering Method: spectral\_clustering

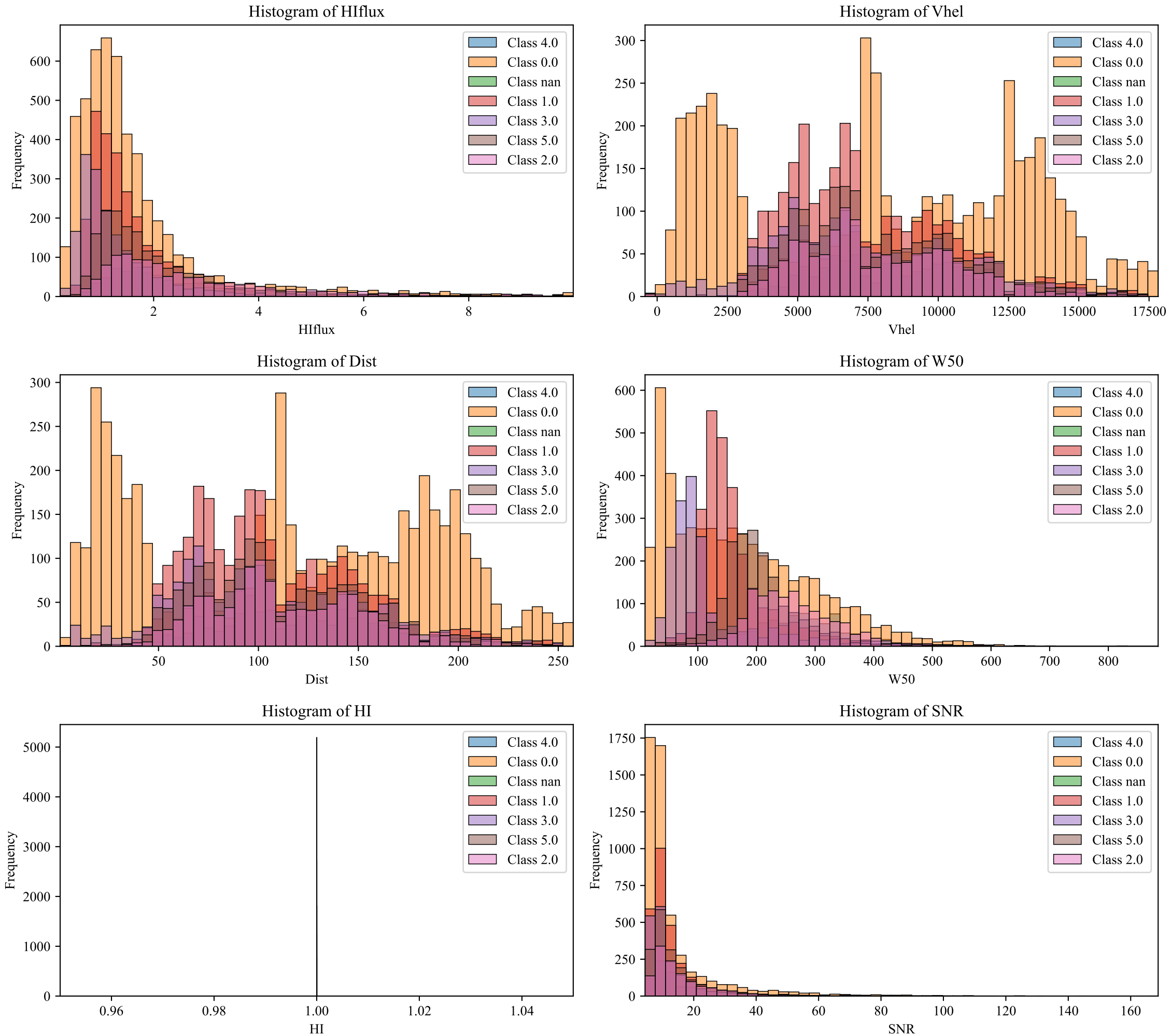




Classification: SVM\_Shapelets, Clustering Method: DBSCAN

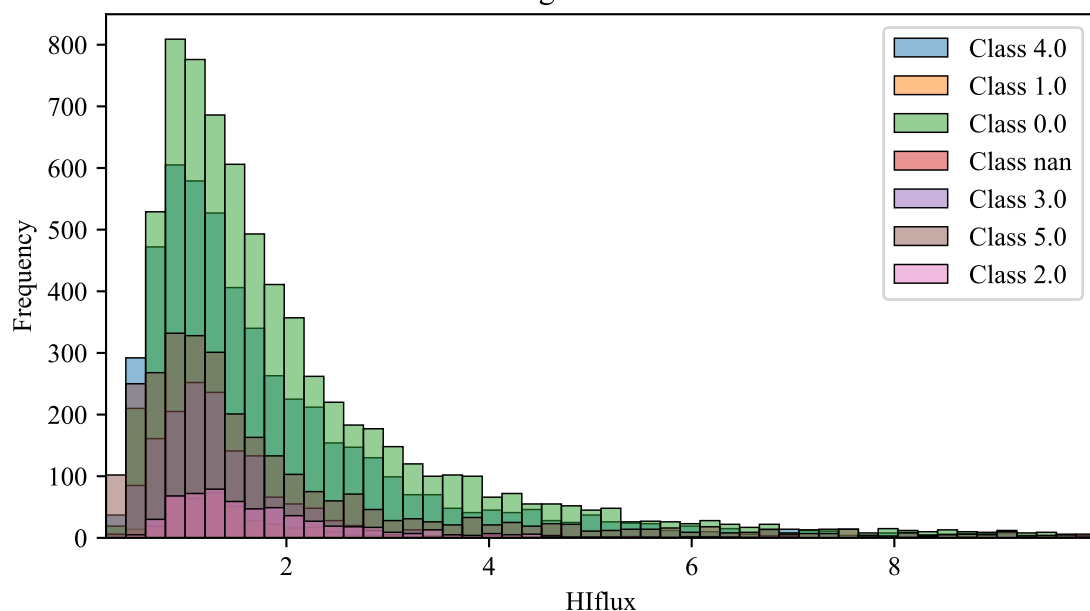


Classification: SVM\_Shapelets, Clustering Method: AgglomerativeClustering

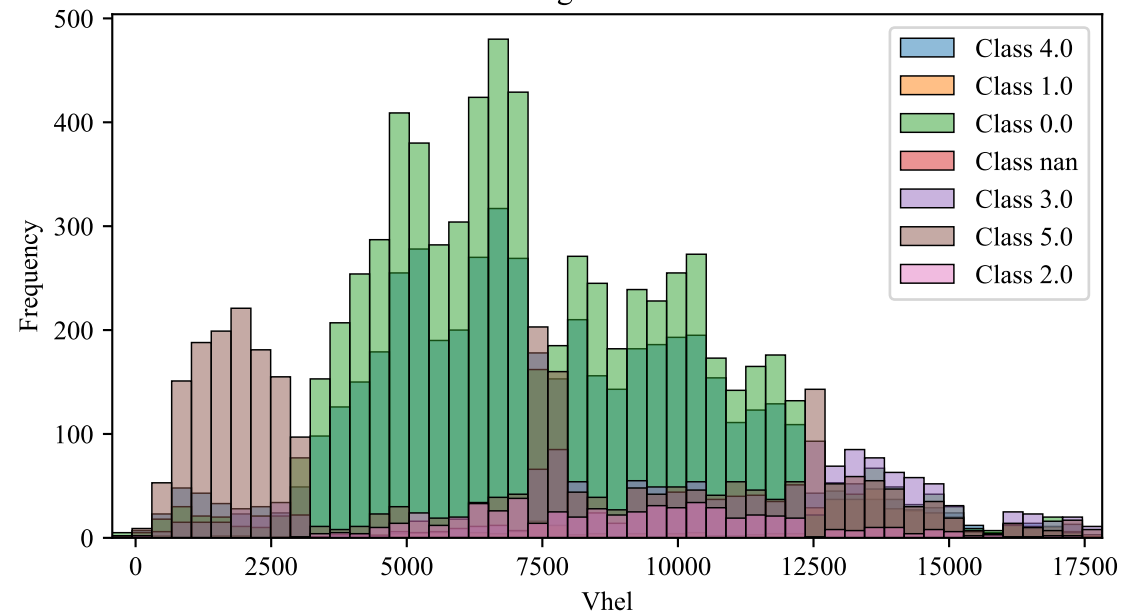


# Classification: SVM\_Shapelets, Clustering Method: AffinityPropagation

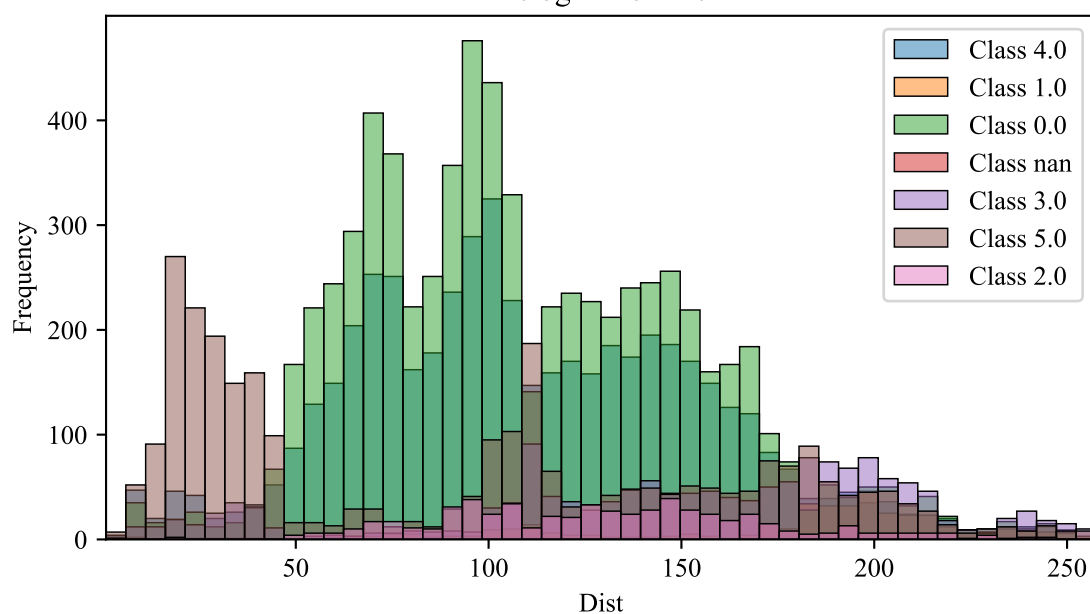
## Histogram of HIflux



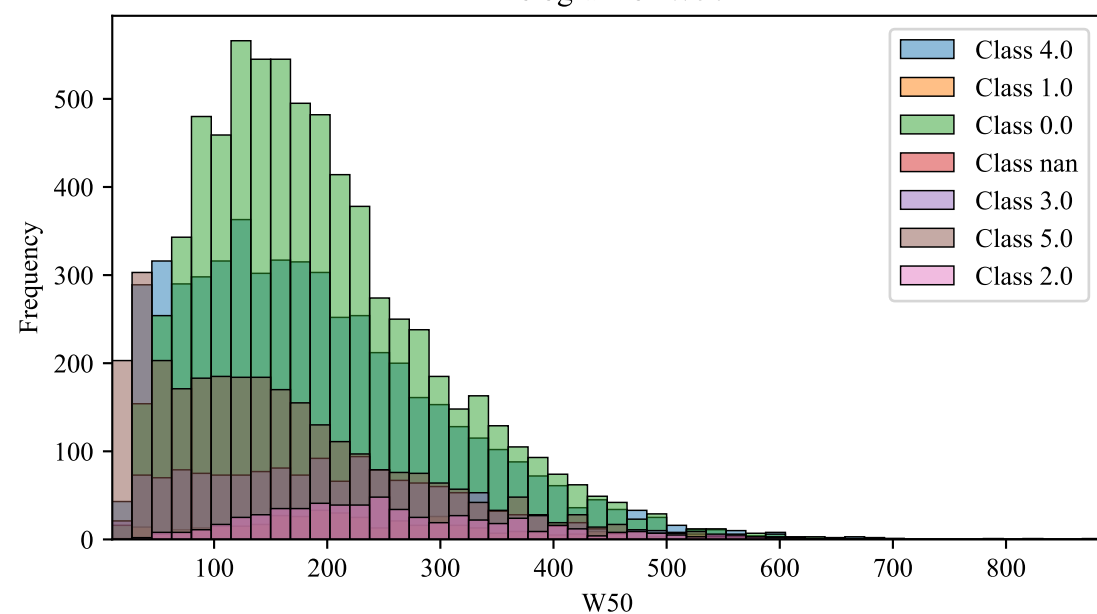
## Histogram of Vhel



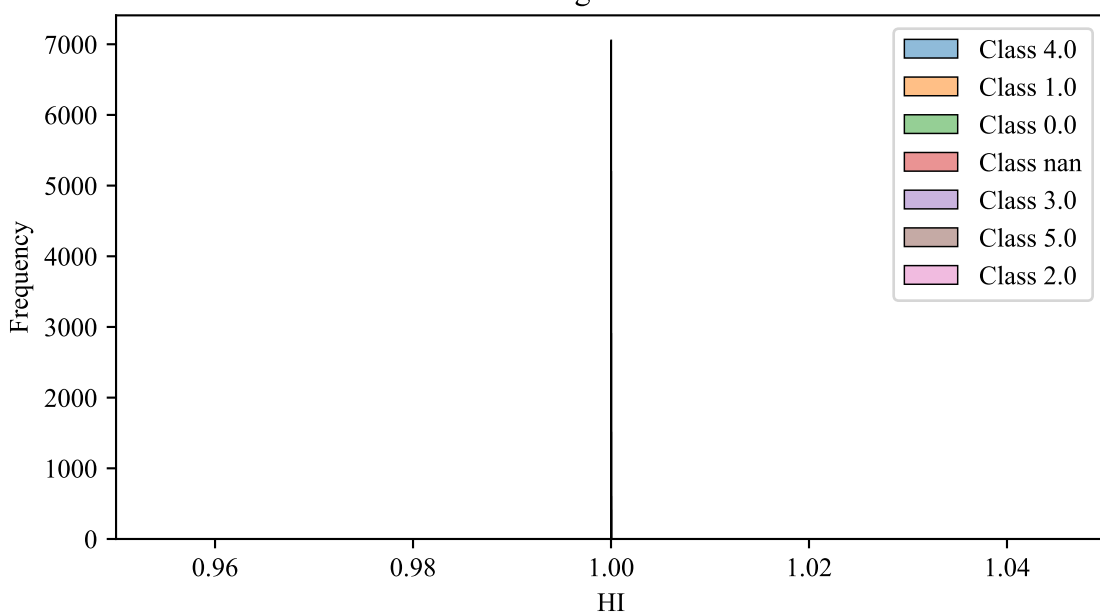
## Histogram of Dist



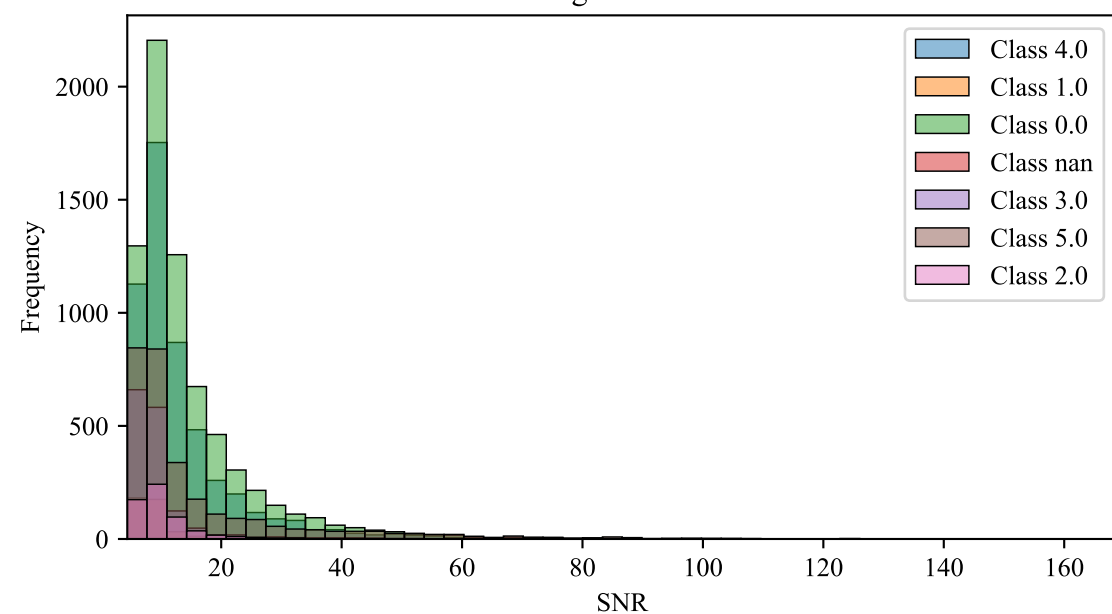
## Histogram of W50



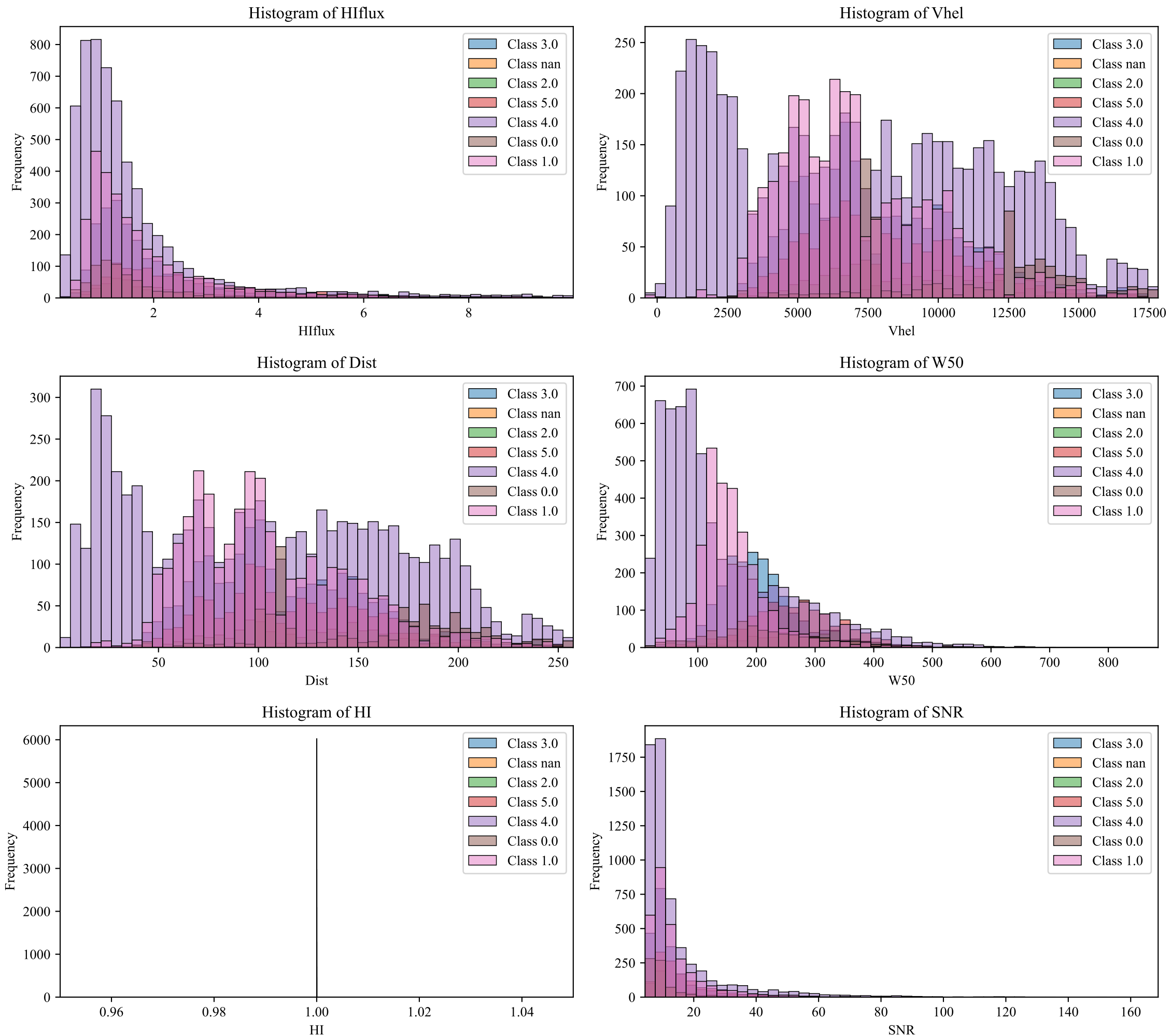
## Histogram of HI



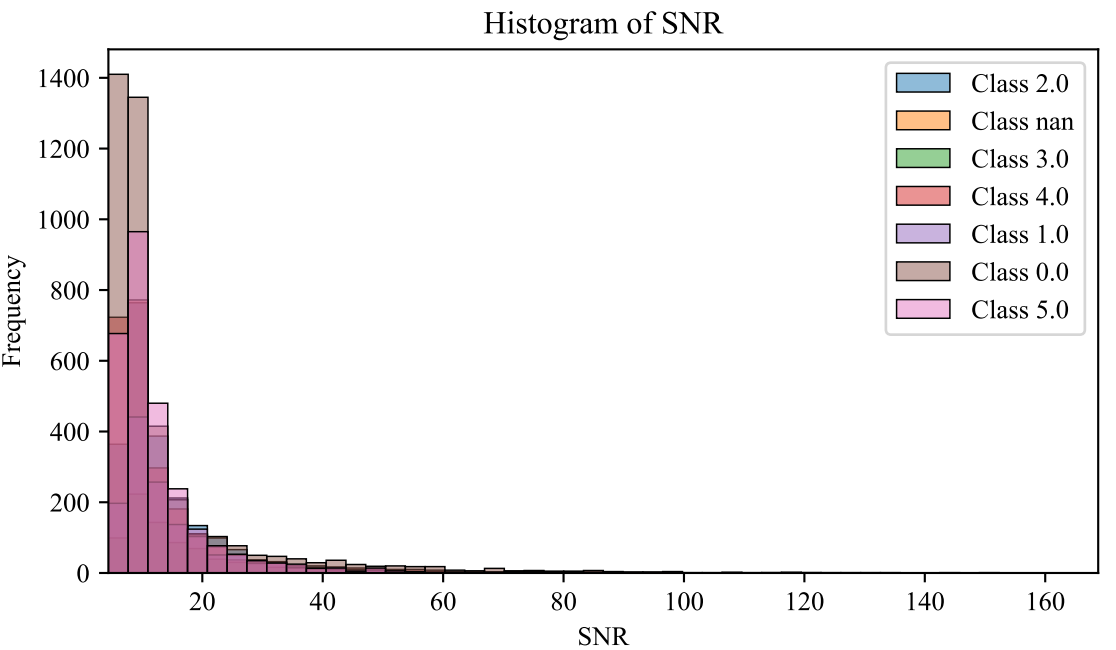
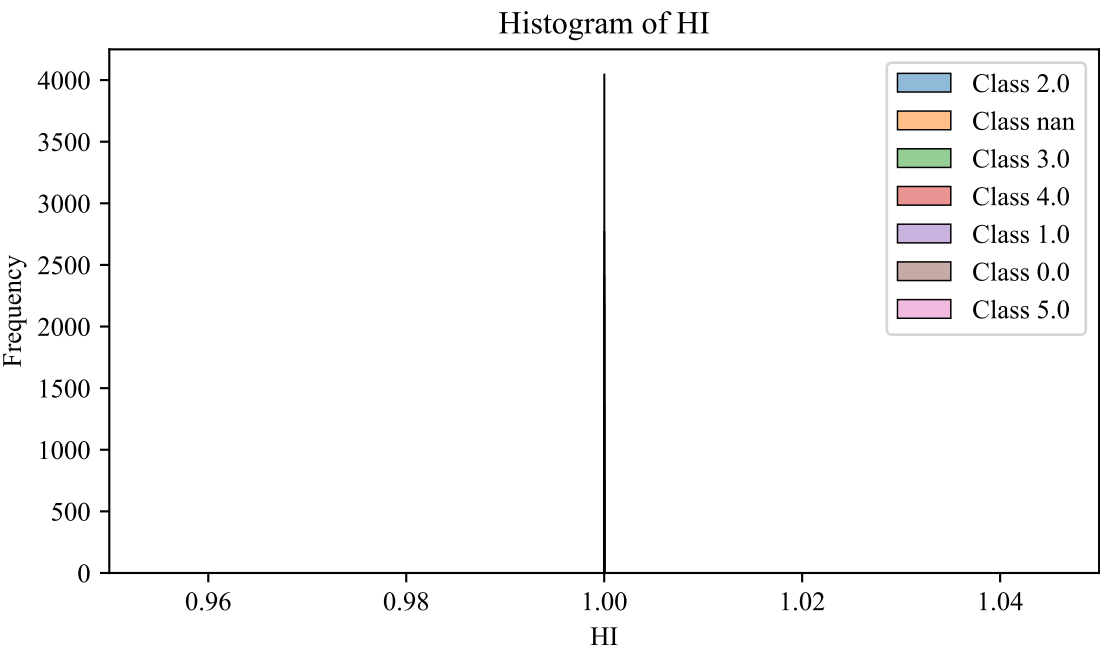
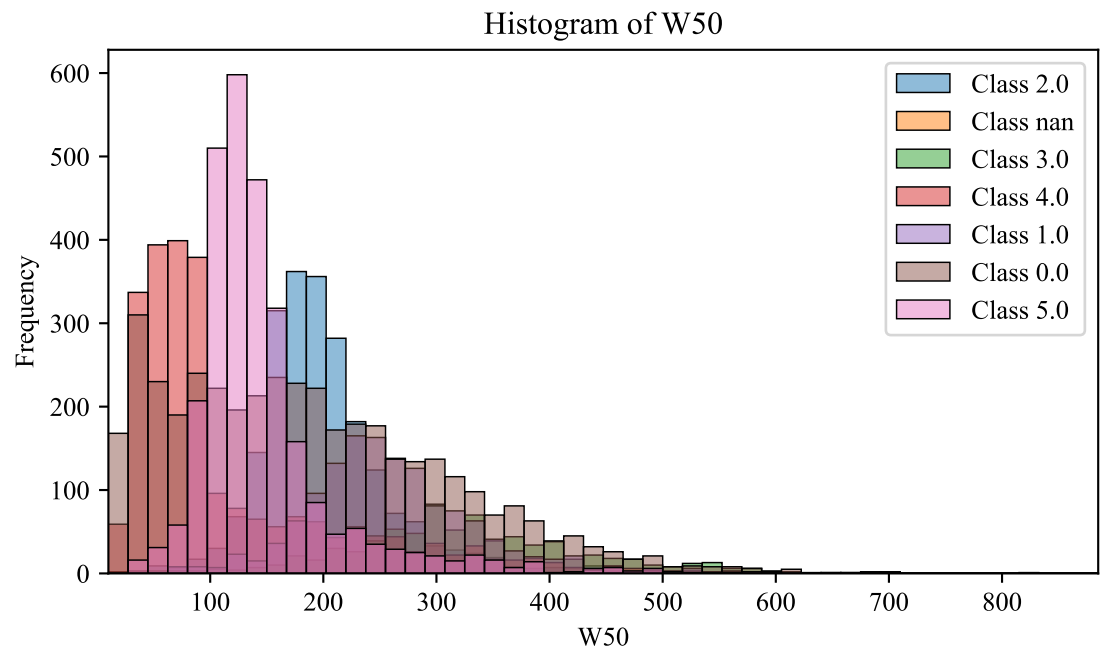
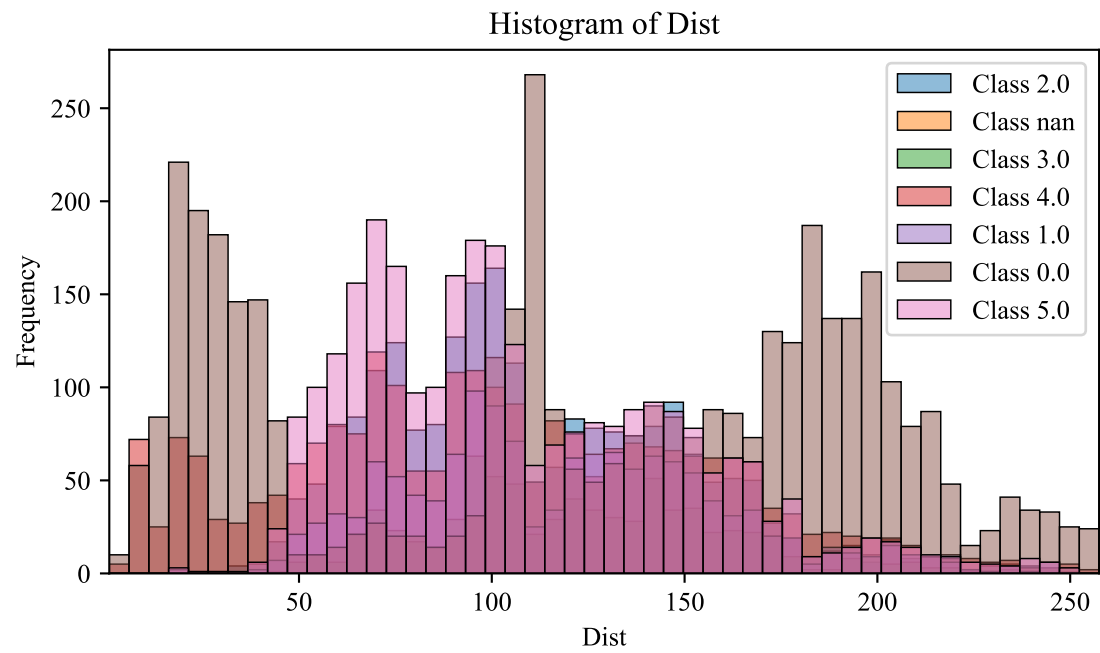
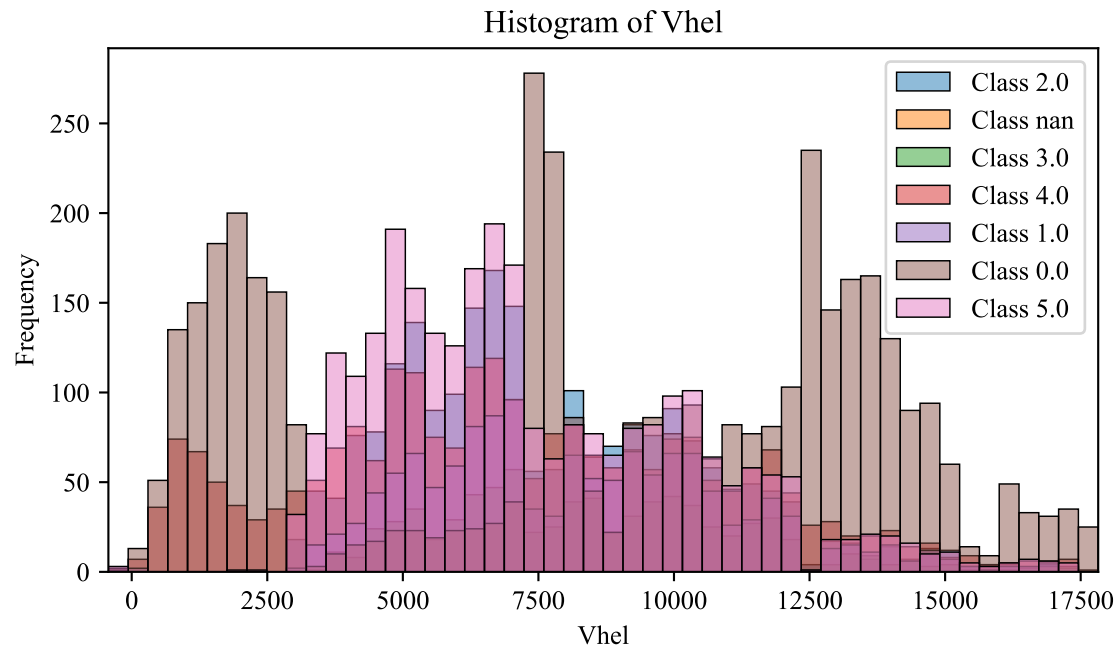
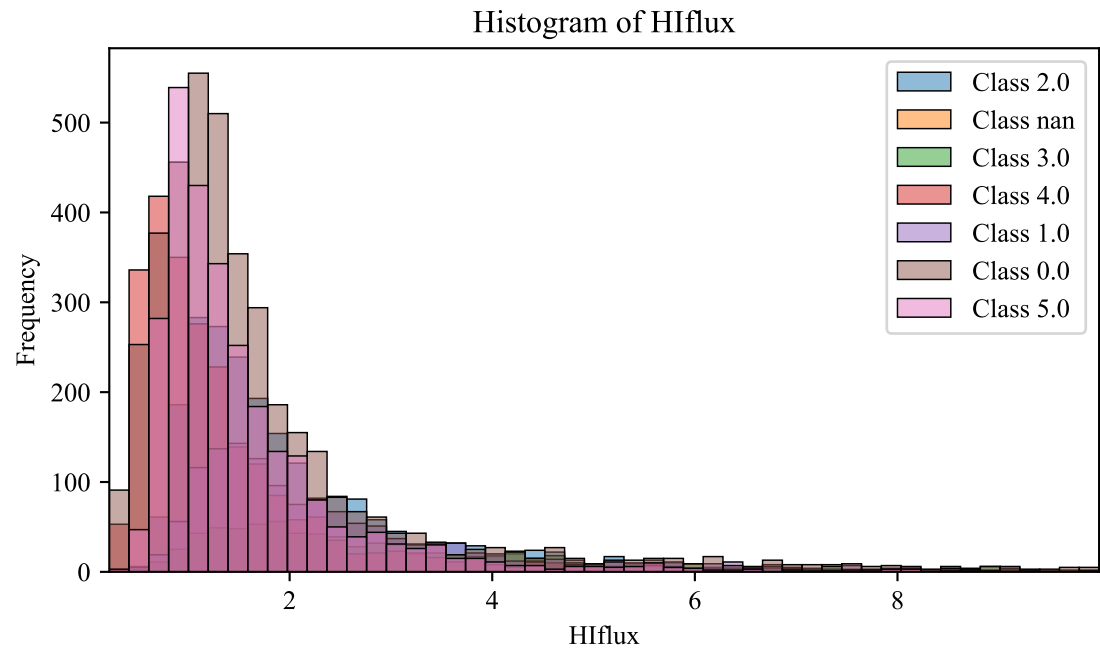
## Histogram of SNR



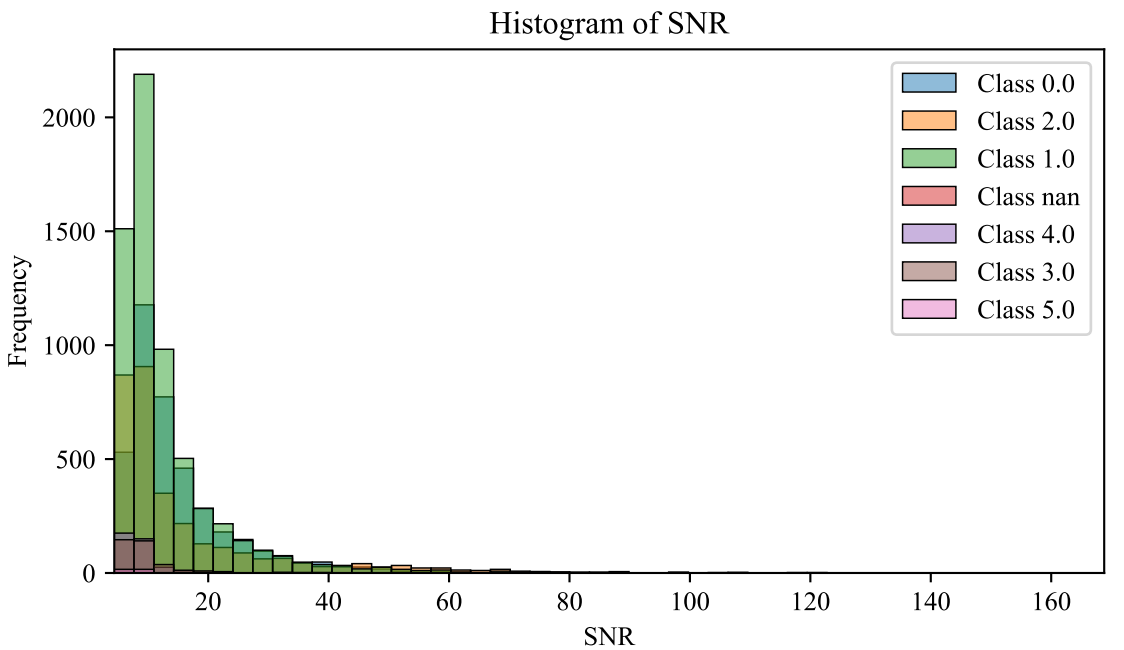
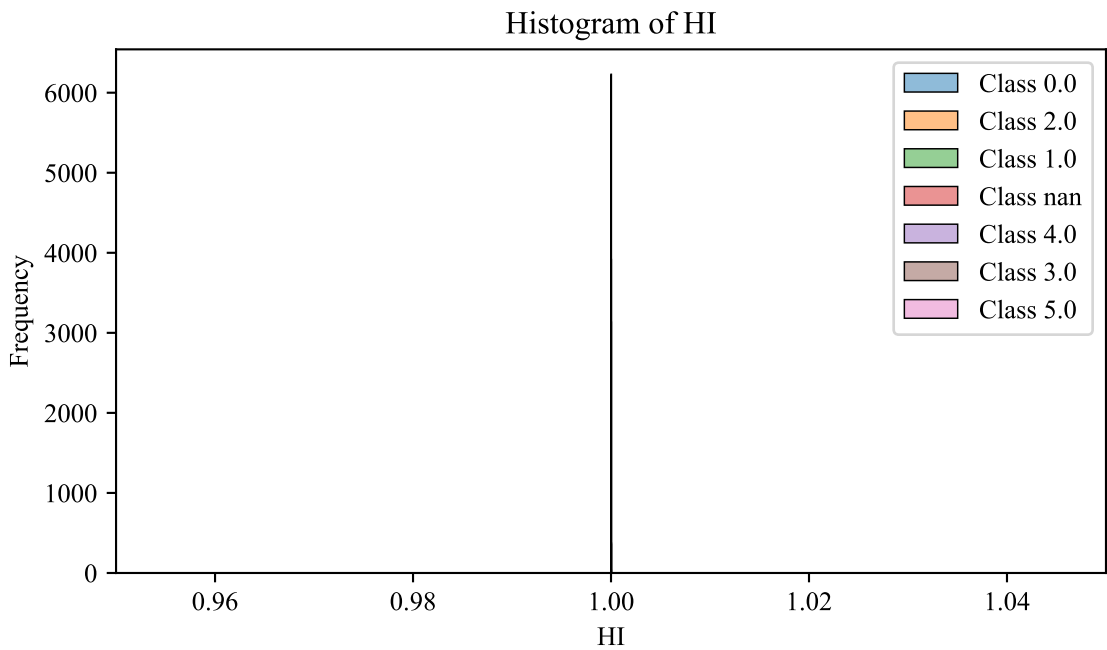
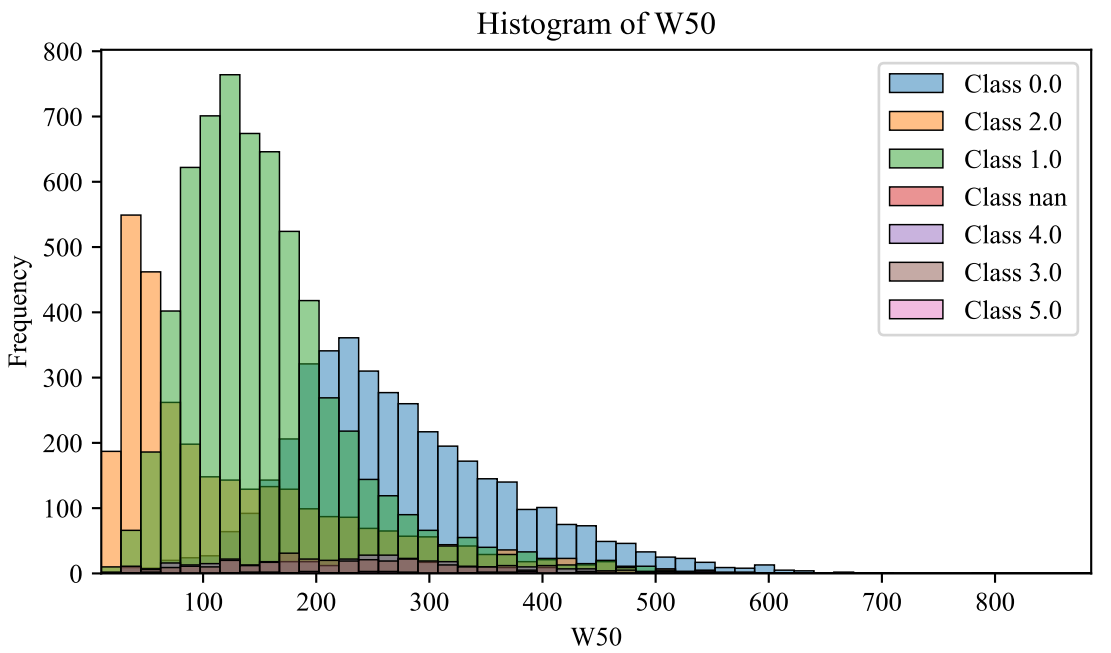
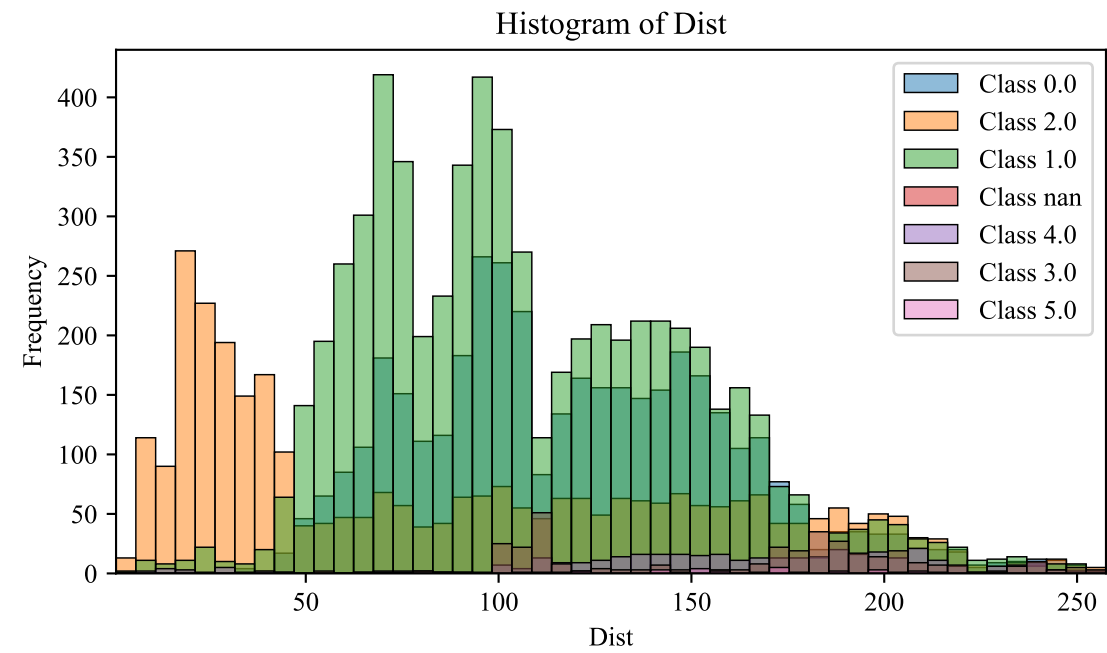
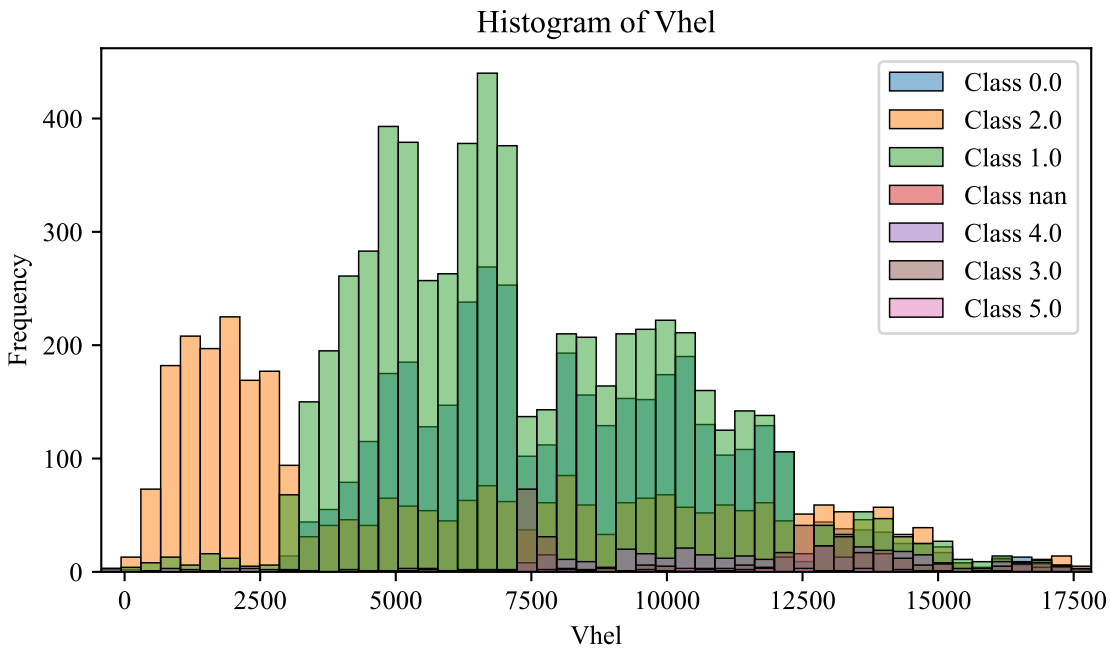
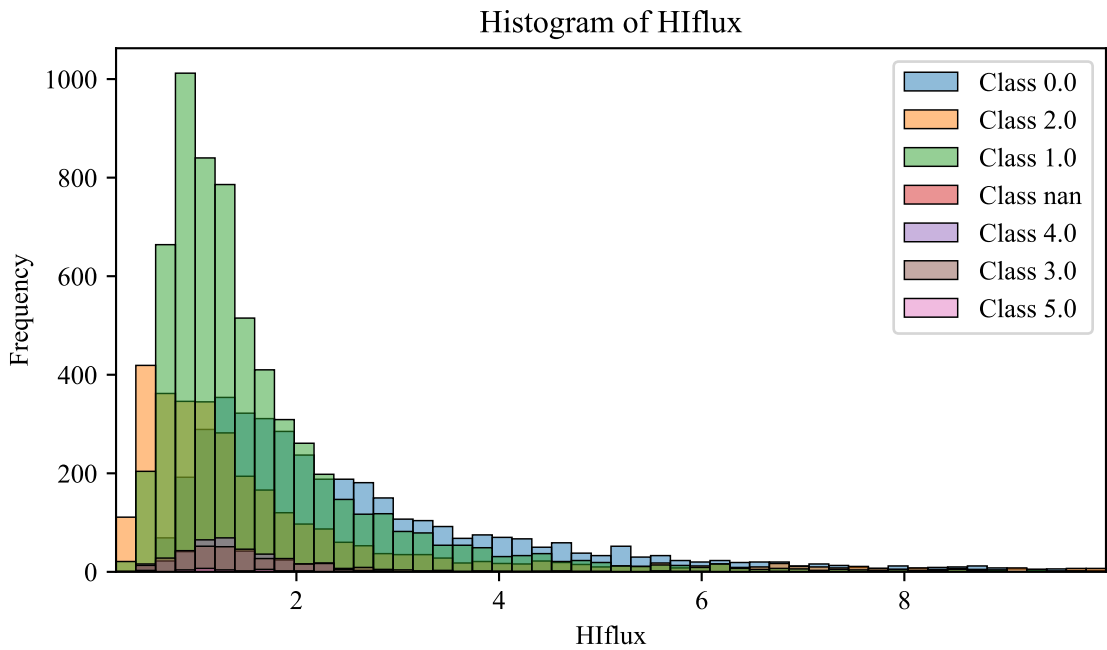
# Classification: SVM\_Shapelets, Clustering Method: GaussianMixture



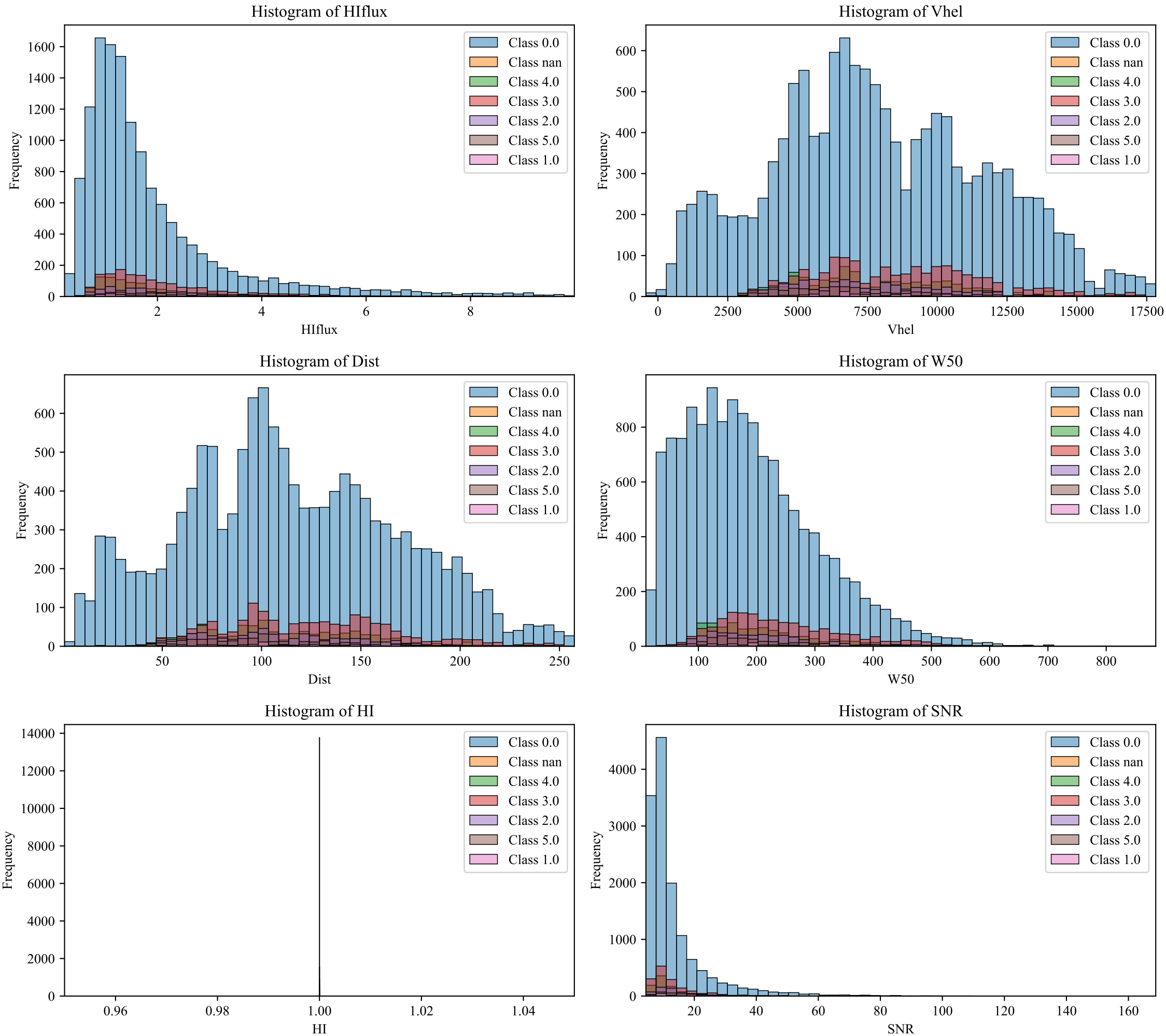
Classification: Random\_Forest\_Shapelets, Clustering Method: k\_means



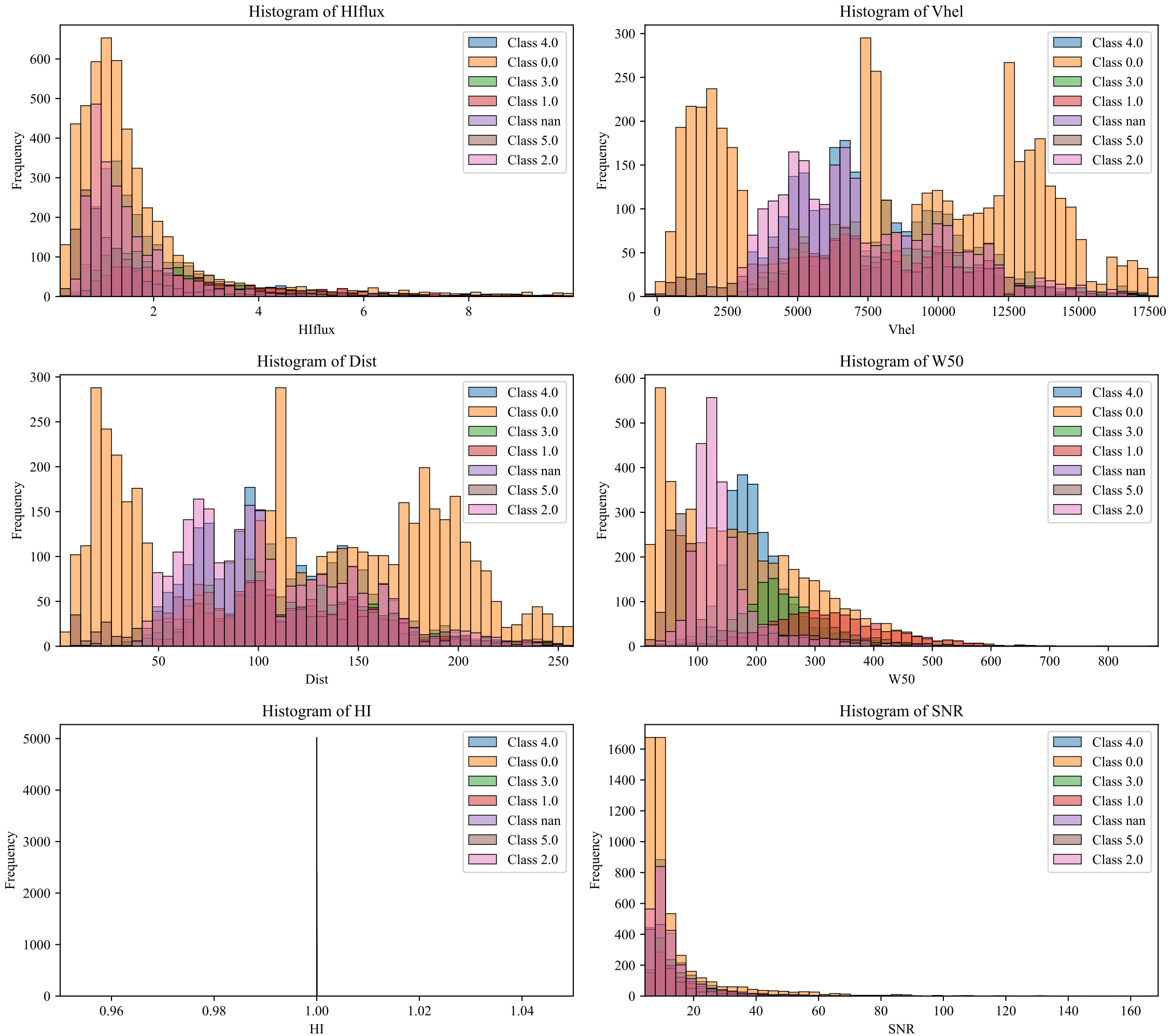
Classification: Random\_Forest\_Shapelets, Clustering Method: spectral\_clustering



Classification: Random\_Forest\_Shapelets, Clustering Method: DBSCAN

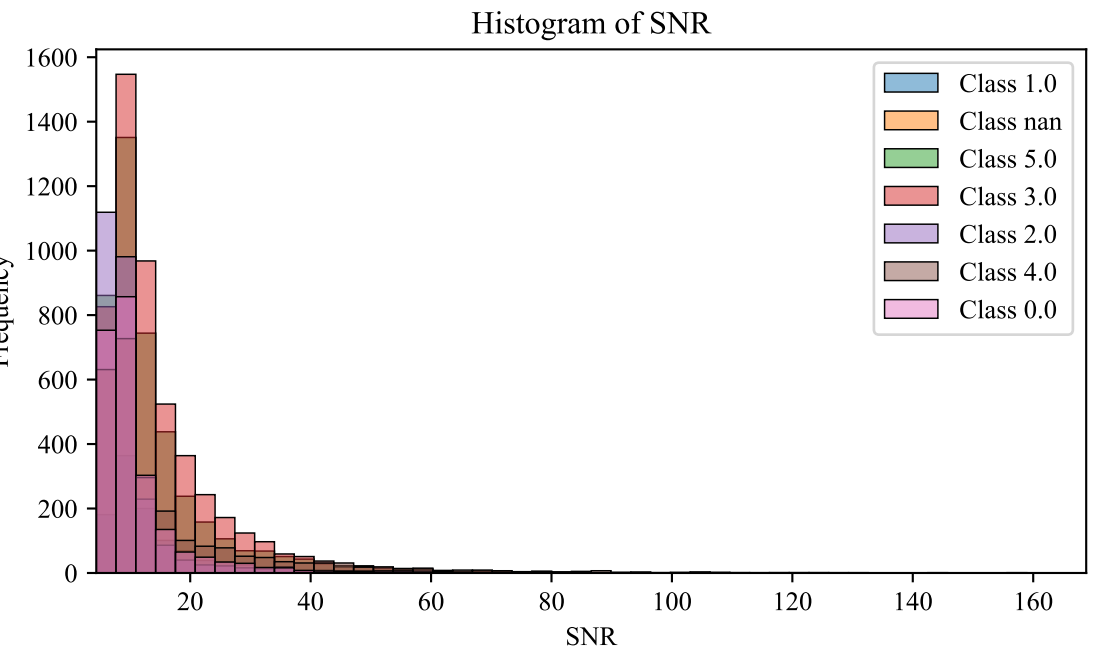
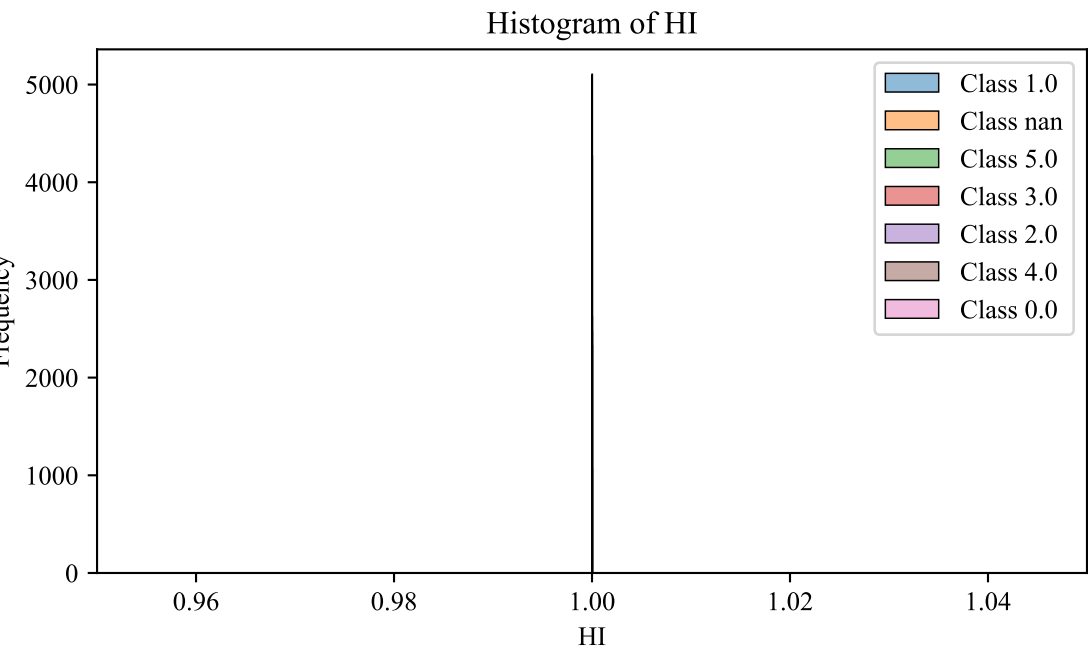
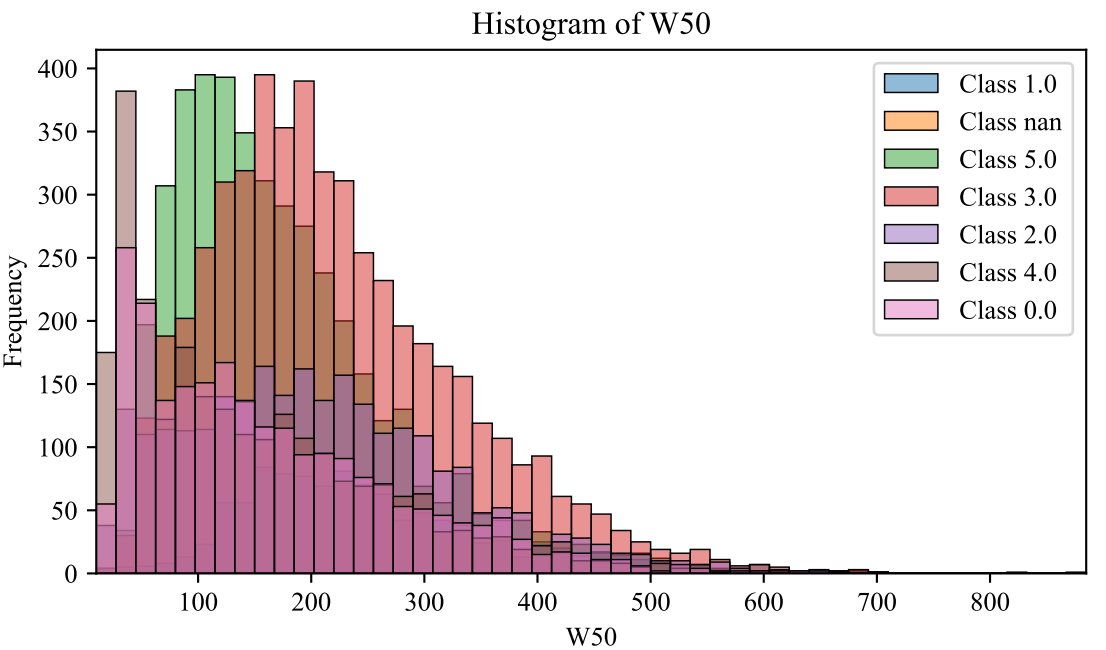
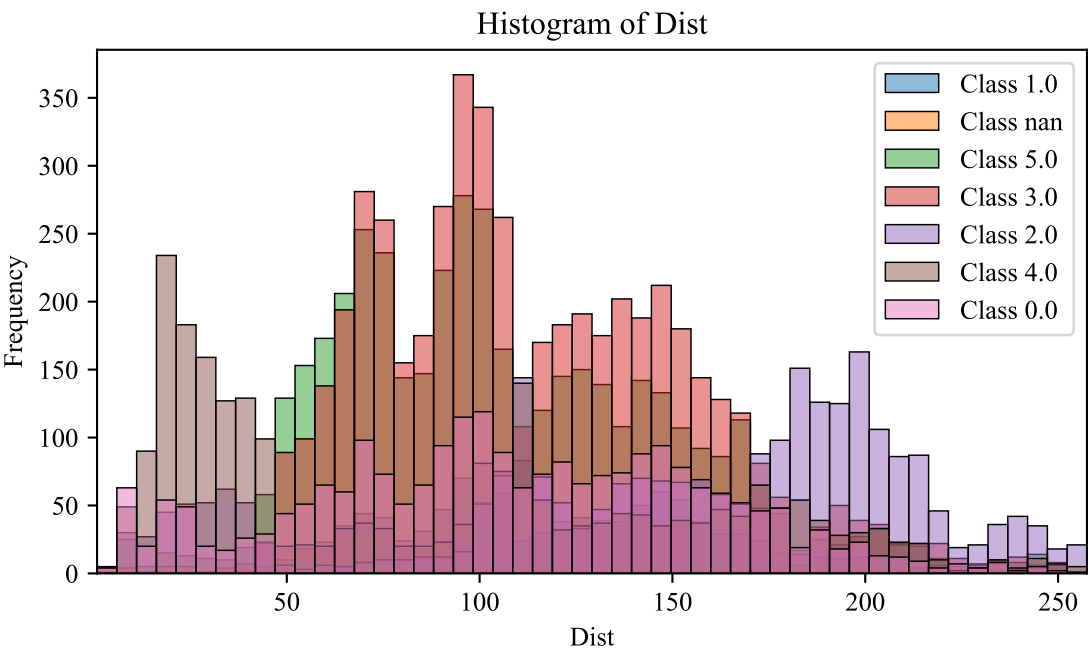
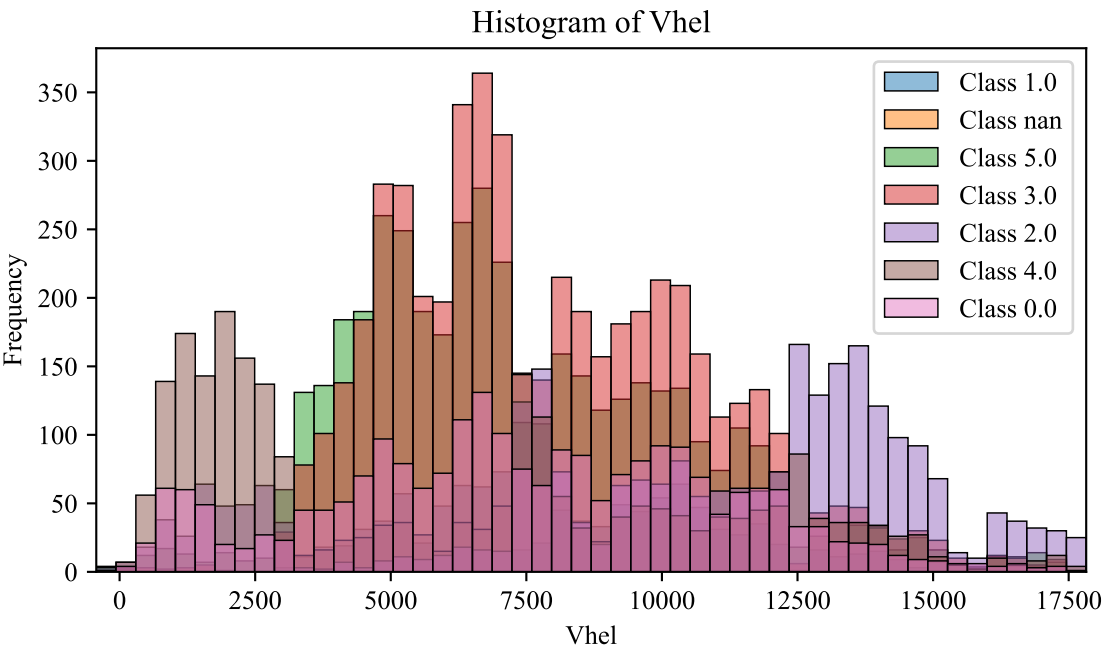
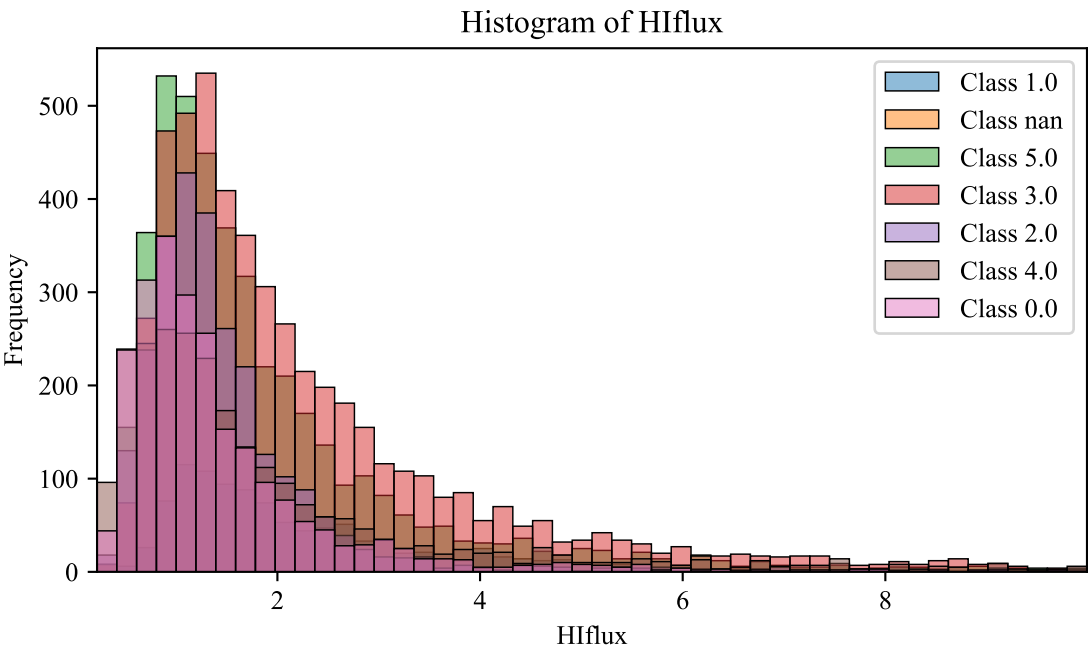


Classification: Random\_Forest\_Shapelets, Clustering Method: AgglomerativeClustering





Classification: Random\_Forest\_Shapelets, Clustering Method: AffinityPropagation



Classification: Random\_Forest\_Shapelets, Clustering Method: GaussianMixture

