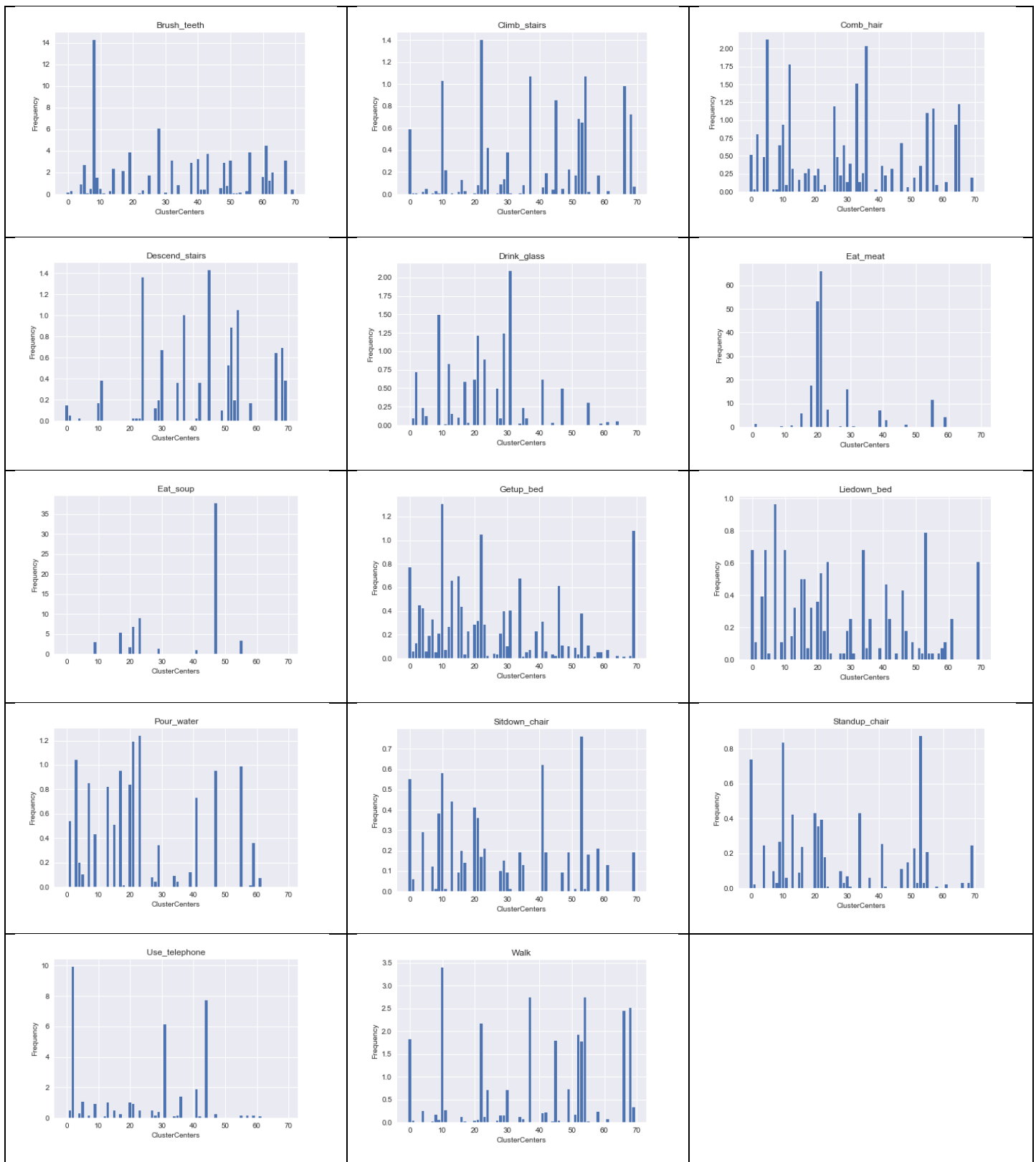


Signal Processing Using Vector Quantization and classification-Results

Experiment table

Fixed Sample Length	Overlap %	K-value (number of cluster centers)	K-Means Used	Classifier Accuracy Across 3 Fold Validation
32	0	70	Standard K-Means	76.49%
32	55	70	Standard K-Means	81.52% (best accuracy)
32	55	350	Standard K-Means	73.02%
24	0	70	Standard K-Means	74.10%
24	55	70	Standard K-Means	73.19%
24	55	350	Standard K-Means	78.25%
64	0	70	Standard K-Means	69.82%
64	55	70	Standard K-Means	73.02%
64	55	350	Standard K-Means	66.90%

Histograms of the mean quantized vector for each activity with K value = 70



Class Confusion matrix

