

CSCI 4150U - LAB 6

Thinh Le - 100741899

Part I:

Table 1. Accuracy of IBK classification (%)

Dataset	K = 1	K = 3	K = 5
letter	96.03	95.615	95.515
segment	97.1429	96.0173	95.0649
waveform-5000	73.62	77.7	78.94

Table 2. Accuracy of J48 classification (%)

Dataset	J48 (M = 2)	K=3 (M = 4)	AdaboostM1 + J48 (M = 2)
letter	87.98	86.56	95.535
segment	96.9264	96.0606	98.5281
waveform-5000	75.08	75.82	80.68

Table 3. Accuracy of NaiveBayes classification (%)

Dataset	Accuracy (%)
letter	64.115
segment	80.2165
waveform-5000	80

Part II:

Table 4. SSE of SimpleKMeans clustering

Dataset	K = K1	K = K2	K = K3
letter	11159.096819805702	6419.031288292223	4202.220826880046
segment	1348.192058453732	785.0951393536545	310.29014792605955
waveform-5000	3906.2503114224655	2688.22002320442	2397.773159333338