

Results

1. Mutate to the mean of each cluster.
2. Extent of Muatation = 0.5 (No Feature weighting).
3. Use the nearest neighbour (instead of the farthest).
4. Cliffsdelta has been used:

$$\delta = \frac{\#(list1 < list2) - \#(list2 < list1)}{len(list1) \times len(list2)}$$

5. Suggested interpretation of δ :

- $\delta < 0.147$ – Difference is Negligible
- $0.147 < \delta < 0.33$ – Difference is Small
- $0.33 < \delta < 0.474$ – Difference is Medium
- $\delta > 0.474$ – Difference is Large

Table 1: Cliffs-Delta (10 Repetitions)

Rank	Treatment	Median	IQR	Quartiles
1	log4j	0.28	0.07	•
1	xalan	0.4	0.05	•
2	jedit	0.42	0.09	•
2	ivy	0.44	0.11	•
2	camel	0.47	0.05	•
2	velocity	0.51	0.06	•
2	xerces	0.53	0.07	•
2	ant	0.56	0.15	•
3	pbeans	0.8	0.32	•