

Additional Figures and Tables

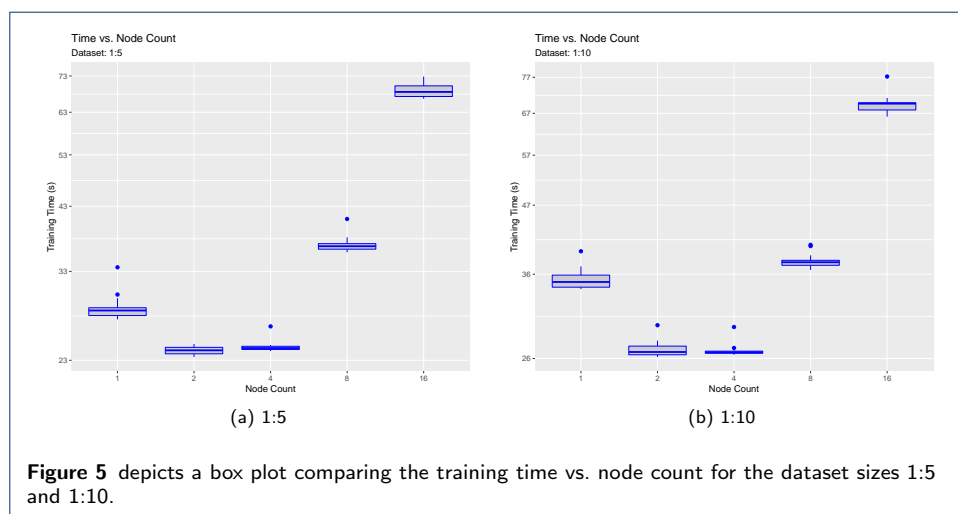


Figure 5 depicts a box plot comparing the training time vs. node count for the dataset sizes 1:5 and 1:10.

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	28247.64	7061.91	4840.01	0.0000
Residuals	95	138.61	1.46		

Table 3 Training Time - Number of Nodes 1:5 ANOVA

	TrainingTime	groups
16	68.75	a
8	36.77	b
1	28.46	c
4	24.28	d
2	23.92	d

Table 4 Tukey HSD test with groupings. Training time vs. # nodes, 1:5

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	24510.20	6127.55	3322.10	0.0000
Residuals	95	175.23	1.84		

Table 5 Training Time - Number of Nodes 1:10 ANOVA

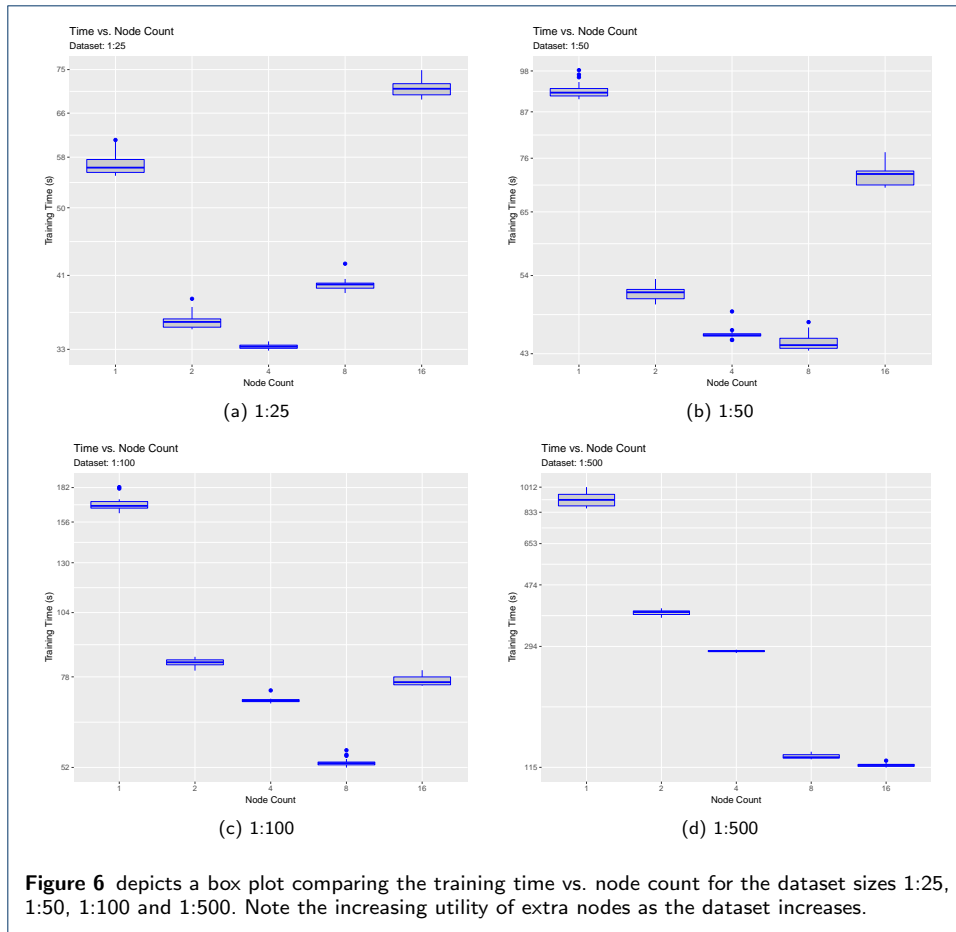


Figure 6 depicts a box plot comparing the training time vs. node count for the dataset sizes 1:25, 1:50, 1:100 and 1:500. Note the increasing utility of extra nodes as the dataset increases.

	TrainingTime	groups
16	69.25	a
8	37.84	b
1	35.27	c
2	26.93	d
4	26.76	d

Table 6 Tukey HSD test with groupings. Training time vs. # nodes, 1:10

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	20631.91	5157.98	3681.09	0.0000
Residuals	95	133.12	1.40		

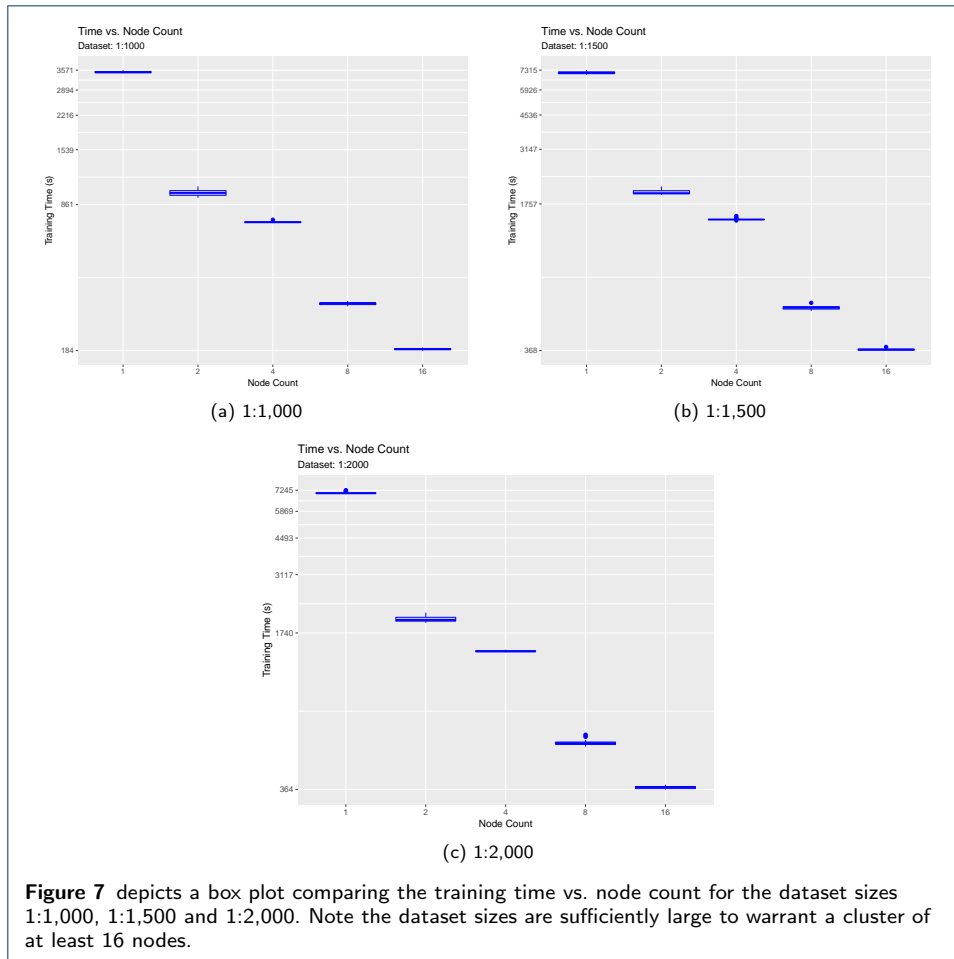
Table 7 Training Time - Number of Nodes 1:10 ANOVA

	TrainingTime	groups
16	70.98	a
1	56.81	b
8	39.94	c
2	35.91	d
4	33.28	e

Table 8 Tukey HSD test with groupings. Training time vs. # nodes, 1:25

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	34671.41	8667.85	3891.79	0.0000
Residuals	95	211.59	2.23		

Table 9 Training Time - Number of Nodes 1:10 ANOVA



	TrainingTime	groups
1	92.66	a
16	72.18	b
2	51.25	c
4	45.57	d
8	44.47	d

Table 10 Tukey HSD test with groupings. Training time vs. # nodes, 1:50

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	163360.77	40840.19	5822.21	0.0000
Residuals	95	666.38	7.01		

Table 11 Training Time - Number of Nodes 1:10 ANOVA

	TrainingTime	groups
1	168.72	a
2	83.02	b
16	76.60	c
4	70.23	d
8	53.23	e

Table 12 Tukey HSD test with groupings. Training time vs. # nodes, 1:100

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	8775639.96	2193909.99	3561.74	0.0000
Residuals	95	58516.80	615.97		

Table 13 Training Time - Number of Nodes 1:10 ANOVA

	TrainingTime	groups
1	924.28	a
2	381.50	b
4	283.44	c
8	125.12	d
16	116.94	d

Table 14 Tukey HSD test with groupings. Training time vs. # nodes, 1:500

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	147538415.96	36884603.99	81140.16	0.0000
Residuals	95	43185.00	454.58		

Table 15 Training Time - Number of Nodes 1:10 ANOVA

	TrainingTime	groups
1	3498.11	a
2	976.49	b
4	715.89	c
8	302.60	d
16	186.87	e

Table 16 Tukey HSD test with groupings. Training time vs. # nodes, 1:1000

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	595817698.86	148954424.72	56721.27	0.0000
Residuals	90	236346.94	2626.08		

Table 17 Training Time - Number of Nodes 1:10 ANOVA

	TrainingTime	groups
1	7113.30	a
2	1997.29	b
4	1492.72	c
8	581.39	d
16	372.73	e

Table 18 Tukey HSD test with groupings. Training time vs. # nodes, 1:1500

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Nodes	4	592359783.04	148089945.76	82896.55	0.0000
Residuals	92	164352.73	1786.44		

Table 19 Training Time - Number of Nodes 1:10 ANOVA

	TrainingTime	groups
1	7052.96	a
2	2000.89	b
4	1450.84	c
8	581.50	d
16	372.25	e

Table 20 Tukey HSD test with groupings. Training time vs. # nodes, 1:2000