I. Experimental results on dynamic networks

Table 8. Statistics of the dynamic datasets.

Datasets	$\mathcal{V}$	$\mathcal{T}$	$\mathcal{E}$	C
DBLP	28,085	236,894	162,441	10
Brain	5,000	1,955,488	1,751,910	10
Patent	12,214	41,916	41,915	6
School	327	188,508	5,802	9
arXivAI	69,854	699,206	699,198	5
arXivCS	169,343	1,166,243	1,166,237	40

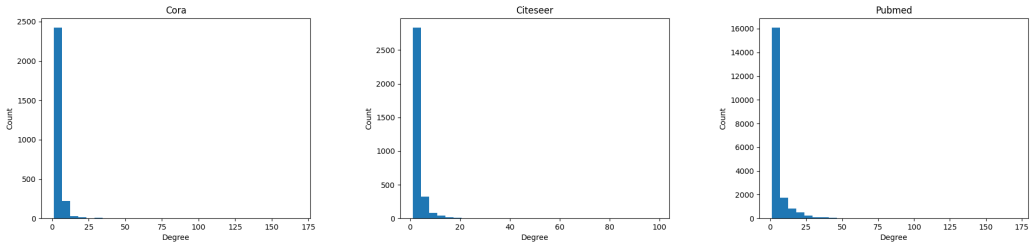
Table 9. Node clustering results (%) on dynamic networks.

Datasets	Patent				Brain				DBLP				ArXivAI				ArXivCS			
	ACC	NMI	ARI	F1	ACC	NMI	ARI	F1	ACC	NMI	ARI	F1	ACC	NMI	ARI	F1	ACC	NMI	ARI	F1
TGC	47.56	37.43	30.03	34.22	41.78	50.54	29.97	40.67	48.38	36.73	22.32	44.36	75.99	45.18	52.64	59.89	43.1	45.4	36.92	27.45
TGC+CFD	54.2	38.56	35.03	42.15	42.22	51.48	30.06	41	49.4	37.75	23.35	45.44	76.12	46.37	53.81	59.98	45.4	47.14	38.86	28.73
Improve	6.64	1.13	5	7.93	0.44	0.94	0.09	0.33	1.02	1.02	1.03	1.08	0.13	1.19	1.17	0.09	2.3	1.74	1.94	1.28

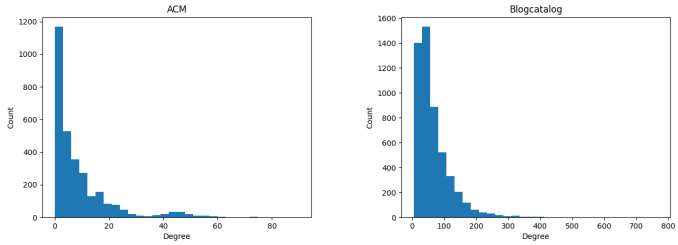
J. Average clustering coefficient and degree distribution statistics

Table 10. Statistical average clustering coefficient.

Datasets	Cora	Citeseer	Pubmed	ACM	Blogcatalog
Average Clustering Coefficient	0.2406	0.1414	0.060	0.5491	0.1223



(a) Cora (b) Citeseer (c) Pubmed



(d) ACM (e) Blogcatalog

Figure 11. Degree distribution.