Dataset Summary Statistics
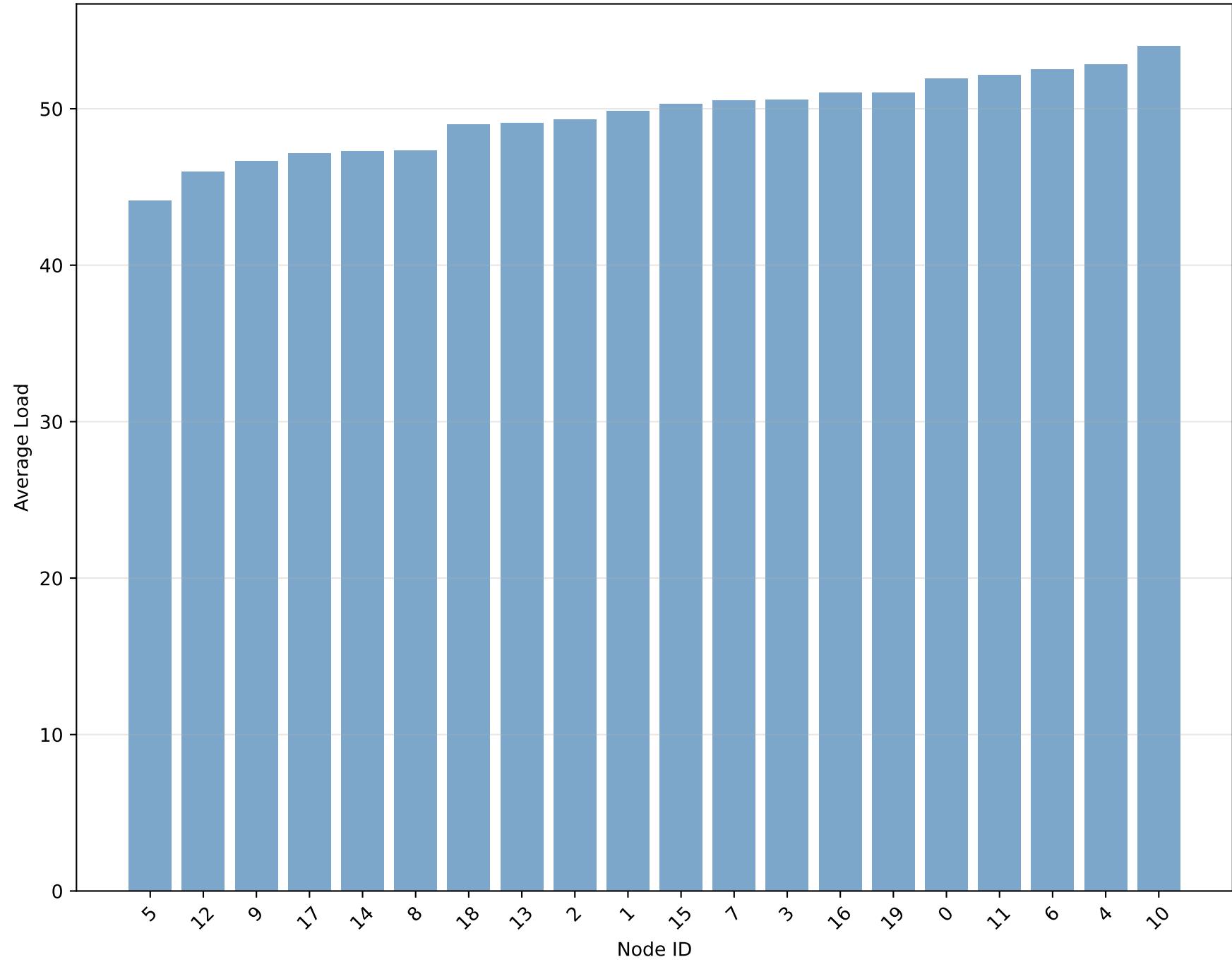
Edge Dataset Summary (per node)

node	count	mean	std	min	25%	50%	75%	max
0	47.0	51.94	22.69	10.0	38.00	53.0	71.00	88.0
1	39.0	49.87	23.78	12.0	30.00	49.0	70.00	89.0
2	55.0	49.33	25.01	10.0	25.50	48.0	68.00	89.0
3	46.0	50.57	21.62	11.0	34.25	52.0	69.75	89.0
4	55.0	52.84	22.37	10.0	34.50	53.0	74.00	89.0
5	58.0	44.12	25.13	10.0	23.25	36.5	67.50	89.0
6	42.0	52.55	23.60	11.0	33.25	53.0	73.50	89.0
7	52.0	50.54	21.74	10.0	34.75	50.0	69.25	88.0
8	48.0	47.33	22.84	12.0	29.25	45.0	65.75	88.0
9	58.0	46.67	24.17	10.0	27.25	42.0	71.50	89.0
10	61.0	54.00	24.27	10.0	32.00	61.0	76.00	89.0
11	48.0	52.17	21.30	16.0	36.50	50.0	72.00	89.0
12	42.0	46.00	21.99	12.0	28.50	46.5	62.75	89.0
13	56.0	49.11	21.92	10.0	32.50	50.5	66.50	86.0
14	52.0	47.29	23.23	11.0	26.75	45.5	65.25	88.0
15	53.0	50.32	24.76	11.0	26.00	54.0	71.00	87.0
16	48.0	51.04	23.81	10.0	31.75	52.5	70.50	88.0
17	49.0	47.14	23.75	10.0	25.00	45.0	70.00	89.0
18	39.0	49.03	21.85	10.0	29.00	46.0	65.00	88.0
19	52.0	51.06	22.98	12.0	31.25	52.5	70.75	88.0
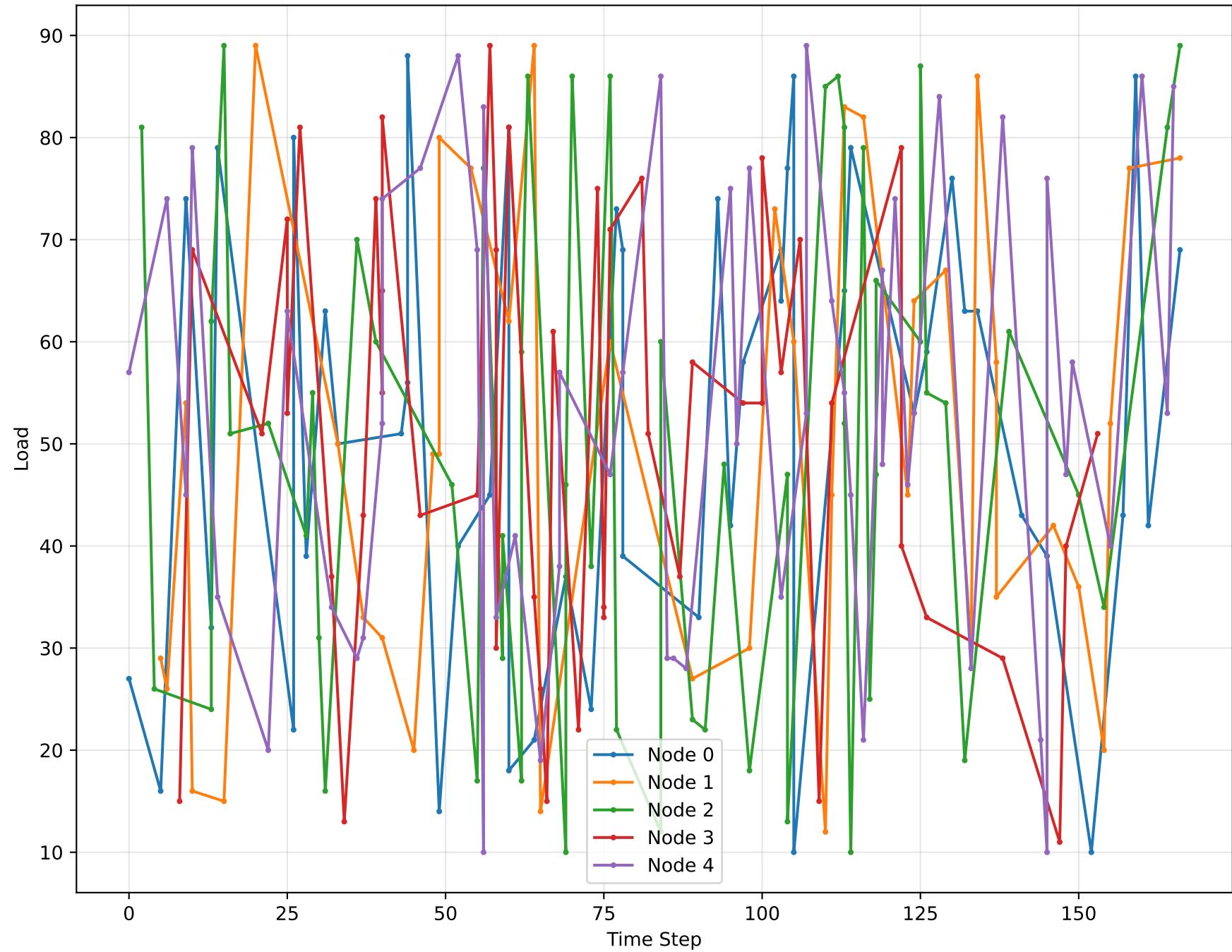
Edge dataset sample (first 25 rows)

time	node	load	active_sessions	cpu	mem	latency	lag1	lag2	hour	hour_sin	hour_cos
0.0	0.0	27.0	6.0	27.0	71.542033235581	39.0	27.0	27.0	12.0	1.224646799147353	-1.0
5.0	0.0	16.0	4.0	16.0	60.618279569891	12.0	27.0	27.0	12.0	1.224646799147353	-1.0
9.0	0.0	74.0	11.0	74.0	84.16422287390	23.0	16.0	27.0	12.0	1.224646799147353	-1.0
13.0	0.0	32.0	5.0	32.0	41.251221896383	27.0	74.0	16.0	12.0	1.224646799147353	-1.0
14.0	0.0	79.0	11.0	79.0	77.419354838709	7.0	32.0	74.0	12.0	1.224646799147353	-1.0
26.0	0.0	22.0	3.0	22.0	21.908602150537	8.0	79.0	32.0	12.0	1.224646799147353	-1.0
26.0	0.0	80.0	11.0	80.0	74.816715542521	40.0	22.0	79.0	12.0	1.224646799147353	-1.0
28.0	0.0	39.0	5.0	39.0	34.824046920821	41.0	80.0	22.0	12.0	1.224646799147353	-1.0
31.0	0.0	63.0	8.0	63.0	45.161290322580	38.0	39.0	80.0	12.0	1.224646799147353	-1.0
33.0	0.0	50.0	5.0	50.0	12.707722385141	42.0	63.0	39.0	12.0	1.224646799147353	-1.0
43.0	0.0	51.0	5.0	51.0	8.4921798631476	18.0	50.0	63.0	12.0	1.224646799147353	-1.0
44.0	0.0	56.0	6.0	56.0	27.382697947214	42.0	51.0	50.0	12.0	1.224646799147353	-1.0
44.0	0.0	88.0	12.0	88.0	71.163245356791	5.0	56.0	51.0	12.0	1.224646799147353	-1.0
49.0	0.0	14.0	5.0	14.0	78.054740957960	44.0	88.0	56.0	12.0	1.224646799147353	-1.0
52.0	0.0	40.0	7.0	40.0	64.283968719452	9.0	14.0	88.0	12.0	1.224646799147353	-1.0
57.0	0.0	45.0	9.0	45.0	98.88807429130	41.0	40.0	14.0	12.0	1.224646799147353	-1.0
60.0	0.0	81.0	9.0	81.0	28.653470185728	5.0	45.0	40.0	13.0	-0.2588190451025	0.9659258262890068
60.0	0.0	18.0	3.0	18.0	41.752199413489	19.0	81.0	45.0	13.0	-0.2588190451025	0.9659258262890068
64.0	0.0	21.0	6.0	21.0	97.617302052785	26.0	18.0	81.0	13.0	-0.2588190451025	0.9659258262890068
69.0	0.0	37.0	7.0	37.0	66.483382209188	37.0	21.0	18.0	13.0	-0.2588190451025	0.9659258262890068
73.0	0.0	24.0	6.0	24.0	90.237047898338	13.0	37.0	21.0	13.0	-0.2588190451025	0.9659258262890068
77.0	0.0	73.0	11.0	73.0	84.787390029325	48.0	24.0	37.0	13.0	-0.2588190451025	0.9659258262890068
78.0	0.0	69.0	8.0	69.0	41.019061583571	24.0	73.0	24.0	13.0	-0.2588190451025	0.9659258262890068
78.0	0.0	39.0	5.0	39.0	26.148582600195	13.0	69.0	73.0	13.0	-0.2588190451025	0.9659258262890068
90.0	0.0	33.0	5.0	33.0	44.195992179861	18.0	39.0	69.0	13.0	-0.2588190451025	0.9659258262890068
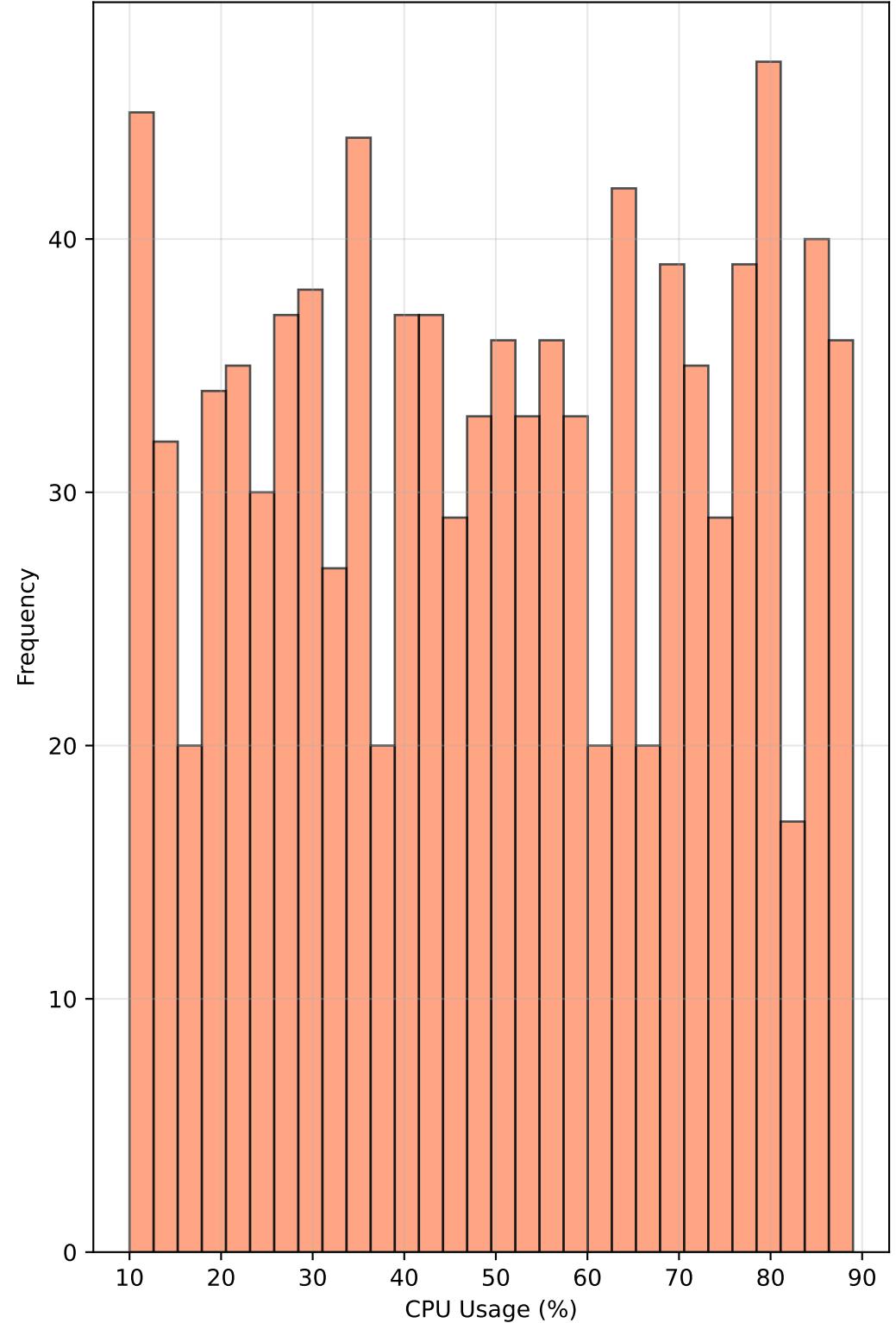
Average Load Distribution Across Nodes
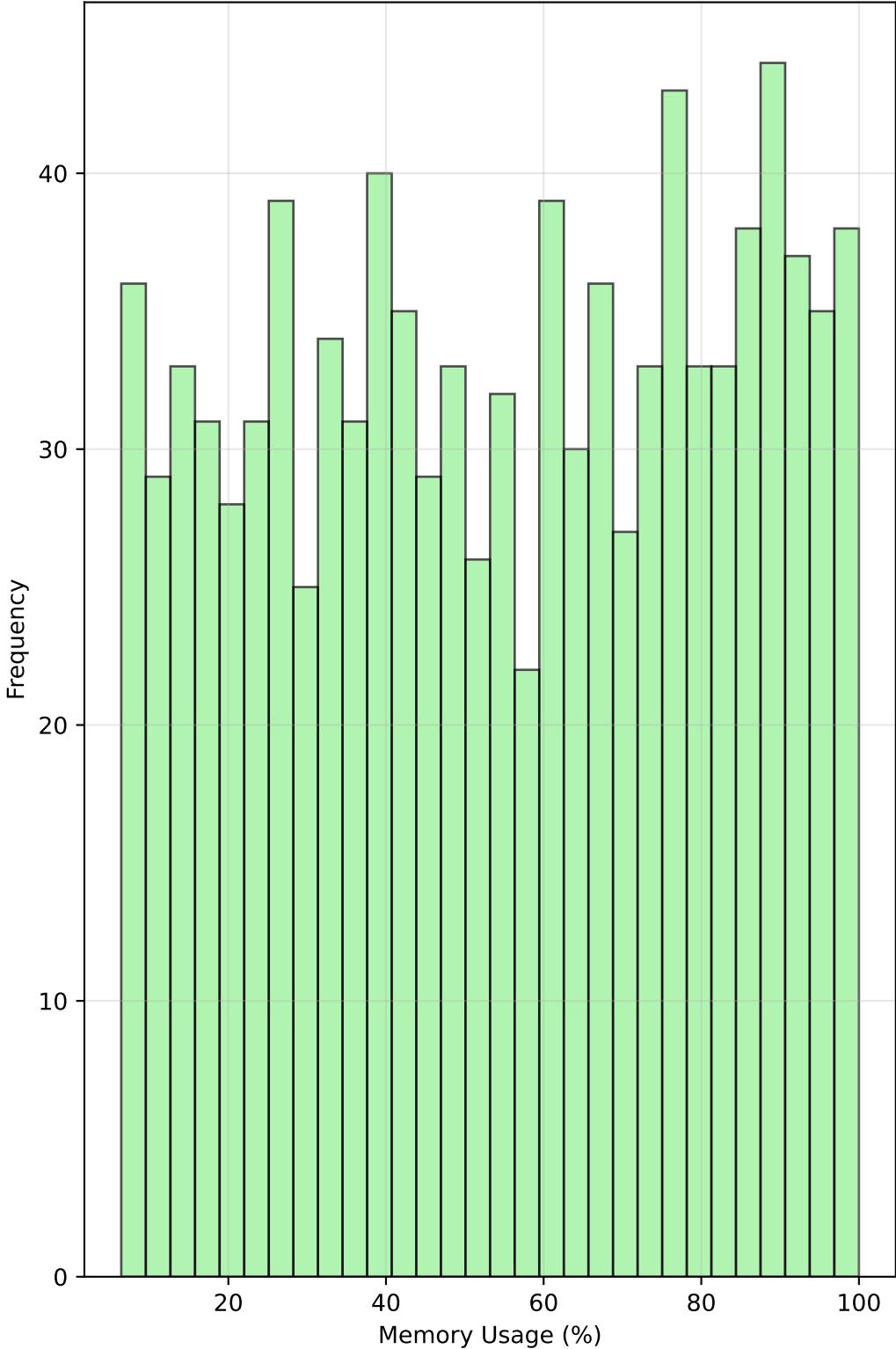
Load Over Time (Sample Nodes)

Average Network Latency by Node