

GNN: β_N

[91, 2473]	21	38	66	62	63	92	84	87
[43, 91]	27	34	45	36	45	50	44	33
[31, 43]	28	23	18	22	29	15	24	17
[23, 31]	24	25	23	21	20	16	14	17
[19, 23]	20	24	10	13	15	9	9	16
[17, 19]	15	12	6	7	9	7	8	6
[15, 17]	13	10	21	7	11	11	6	8
[13, 15]	13	14	10	15	13	12	4	9
[11, 13]	23	20	17	20	13	13	10	15
[9, 11]	24	26	17	19	18	19	19	18
[7, 9]	32	33	35	23	22	33	35	25
[7, 7]	10	7	5	9	7	5	3	9
[5, 7]	33	46	30	41	45	33	32	39
[5, 5]	87	90	82	73	59	71	71	58

GNN: β_Φ

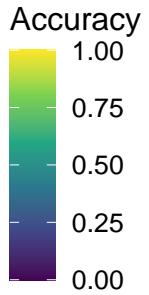
3	19	51	94	129	217
5	21	53	72	87	76
10	27	31	40	38	30
1	8	28	50	31	22
1	12	28	31	21	18
2	12	19	10	9	12
7	13	29	15	14	6
13	18	20	14	15	7
15	31	32	32	10	9
6	37	41	26	24	18
25	68	63	33	23	15
10	18	13	8	5	
77	82	67	38	17	10
38	47	29	37	46	34
86	91	79	77	55	73
287	163	68	36	19	13
				3	2

LSTM: β_N

16	35	65	62	66	91	92	93
27	41	46	44	47	45	45	36
29	24	27	32	28	25	31	20
16	19	19	18	10	9	9	16
20	22	13	12	15	9	12	15
28	22	19	14	20	15	14	13
12	13	10	15	11	12	6	8
21	20	17	22	16	16	10	15
24	30	15	22	17	16	13	16
24	35	35	24	26	29	32	26
8	8	8	9	4	5	3	3
38	47	29	37	46	34	35	45
86	91	79	77	55	73	72	54

LSTM: β_Φ

4	18	53	100	128	217
6	20	60	74	93	78
13	36	47	43	45	32
1	7	25	33	23	13
1	19	30	24	21	20
8	20	43	27	22	18
13	18	19	13	14	8
20	30	35	29	12	8
6	29	43	23	23	17
26	63	63	30	23	16
7	14	12	7	3	4
79	88	67	39	20	8
290	156	74	35	14	3



Tree size (quantile bins)

[91, 2473]	2	14	17	19	38	40	47	
[43, 91]	12	18	21	19	23	28	57	39
[31, 43]	22	26	33	39	47	36	39	34
[23, 31]	31	26	16	29	24	23	20	37
[19, 23]	19	25	28	20	22	21	20	17
[15, 17]	38	40	34	28	36	26	25	33
[13, 15]	15	13	15	22	21	12	12	14
[11, 13]	21	21	23	25	20	21	16	14
[9, 11]	42	39	39	32	27	30	24	15
[9, 9]	29	29	37	39	25	21	14	20
[7, 9]	21	12	11	7	8	8	5	12
[7, 7]	66	51	48	45	38	27	34	25
[5, 5]	73	66	62	63	61	68	56	42

5	1	7	3	6	10	10	9
10	10	17	18	14	22	25	30
10	9	8	16	21	22	20	34
17	13	7	17	20	31	34	27
25	15	33	31	59	50	47	53
24	24	21	27	39	41	41	39
35	31	32	37	24	41	37	48
4	3	3	9	3	3	6	5
49	32	33	37	47	52	42	49
32	57	58	60	34	39	61	31
57	74	67	52	53	39	45	38
131	81	64	45	32	24	27	15
15	7	5	7	5	2	1	1

1	1	4	8	21	29
2	1	5	10	24	38
8	8	15	19	22	34
13	18	22	34	24	38
13	15	22	23	32	27
20	22	38	35	39	34
40	32	39	35	42	42
52	50	38	51	57	55
65	52	59	41	64	39
76	73	59	52	54	46
87	80	58	62	50	40
				34	51

1	2	1	1	4
5	1	5	10	6
8	11	18	13	16
13	10	10	21	26
22	17	20	26	38
18	9	22	19	30
22	22	17	26	38
36	34	35	41	22
47	35	40	49	56
31	52	60	57	30
61	75	68	54	52
140	87	74	53	38
				26
				30
				14

[-0.4999, -0.042882]
 [-0.042882, -0.036131]
 [-0.036131, -0.029633]
 [-0.029627, -0.023250]
 [-0.017278, -0.011527]
 [-0.005586, -0.000005]
 [-0.049997, -0.021072]
 [-0.006903, 0.004072]
 [0.013703, 0.023035]
 [0.032234, 0.041221]
 [-0.049999, -0.042882]
 [-0.042882, -0.036131]
 [-0.036131, -0.029633]
 [-0.029627, -0.023250]
 [-0.017278, -0.011527]
 [-0.005586, -0.000005]

[0.004120, 0.013703]
 [0.023035, 0.032234]
 [0.041222, 0.049988]
 [-0.049997, -0.042882]
 [-0.042882, -0.036131]
 [-0.036131, -0.029633]
 [-0.029627, -0.023250]
 [-0.017278, -0.011527]
 [-0.005586, -0.000005]

[0.004120, 0.013703]
 [0.023035, 0.032234]
 [0.041222, 0.049988]
 [-0.049997, -0.042882]
 [-0.042882, -0.036131]
 [-0.036131, -0.029633]
 [-0.029627, -0.023250]
 [-0.017278, -0.011527]
 [-0.005586, -0.000005]

[0.004120, 0.013703]
 [0.023035, 0.032234]
 [0.041222, 0.049988]
 [-0.049997, -0.042882]
 [-0.042882, -0.036131]
 [-0.036131, -0.029633]
 [-0.029627, -0.023250]
 [-0.017278, -0.011527]
 [-0.005586, -0.000005]

PD

ND