

Open LLM Leaderboard v2 (Average error across benchmarks)

	SLOTH								
	SLOTH basic			SLOTH basic + PCA			SLOTH		
	d=1	d=2	d=3	d=1	d=2	d=3	d=1	d=2	d=3
FLOPs	10.5	5.3	20.4	13.3	11.4	23.1	1.9	4.6	16.2
Size and Tokens	1.2	3.7	4.0	2.0	5.1	7.3	1.5	3.7	7.2
PCA + FLOPs (d=1)	3.9	6.4	5.7	2.2	6.0	10.3	2.3	3.5	12.4
PCA + FLOPs (d=2)	4.8	3.9	5.8	3.0	5.6	9.6	2.0	3.5	12.2
PCA + FLOPs (d=3)	4.6	3.0	4.8	2.7	5.4	9.4	1.9	3.3	14.1
PCA + FLOPs (d=4)	5.6	4.7	5.6	4.9	6.4	12.4	2.0	4.1	13.7
Sloth basic (d=1)	1.4	5.7	5.3	1.6	8.0	6.9	2.0	3.0	6.6
Sloth basic (d=2)	1.6	3.7	4.6	2.5	6.4	5.4	1.5	2.3	5.0
Sloth basic (d=3)	1.8	3.4	4.3	2.7	5.7	12.0	2.2	1.5	4.7
Sloth basic (d=4)	1.5	3.6	4.0	2.5	5.7	12.6	1.7	2.3	4.6
Sloth (d=1)	1.8	6.0	5.0	1.2	6.7	11.4	3.5	1.8	6.1
Sloth (d=2)	1.4	4.7	4.7	1.6	4.4	11.2	1.0	2.2	6.0
Sloth (d=3)	2.3	4.2	4.2	2.0	3.9	6.4	1.9	2.6	5.0
Sloth (d=4)	1.9	3.3	2.8	1.6	4.8	7.0	1.4	2.3	4.1
	bloom	llama-2	orca_mini_v3	pythia	qwen1.5	qwen2	smollm	starcoder2	yi-1.5