

Acquisition step		50	100	200	300	400
Target	Method					
70B-zero	Uniform random	24.3373	11.5663	5.1944	3.4854	2.4122
	LURE-Llama2-7B	8.0511	3.6772	1.7589	1.0463	0.80840
	LURE-Llama2-70B	4.2225	2.0045	0.98390	0.64870	0.45130
7B-zero	Uniform random	9.4687	4.8302	2.1823	1.4524	1.0075
	LURE-Llama2-7B	2.5167	1.3094	0.59430	0.37380	0.27610
	LURE-Llama2-70B	1.9294	0.96850	0.42460	0.27060	0.19810
70B-few	Uniform random	10.5749	5.16310	2.48680	1.51150	0.977800
	LURE-Llama2-7B	6.3984	3.2058	1.3719	0.89110	0.63880
	LURE-Llama2-70B	5.0757	2.5057	1.1921	0.76740	0.54300
7B-few	Uniform random	14.3272	7.2276	3.4608	23147	15246
	LURE-Llama2-7B	8.9252	4.5853	2.3314	1.5486	1.1345
	LURE-Llama2-70B	4.8174	2.1675	1.1186	0.65290	0.45770

Table 1: Risk-estimation error for experiments on FPB using the cross-entropy acquisition functions for LURE experiments. All risk-estimation error in the table are scaled by 10^{-4} . For each experiment, minimum value is shown in bold.

Acquisition step		50	100	200	300	400
Target	Method					
70B-zero	Uniform random	2.1154	1.0992	0.56060	0.34910	0.26150
	LURE-Llama2-7B	0.5386	0.3089	0.1551	0.1023	0.07490
	LURE-Llama2-70B	0.4191	0.2308	0.1255	0.08190	0.06330
7B-zero	Uniform random	12.4455	5.49	2.9545	1.9694	1.362
	LURE-Llama2-7B	2.7160	1.4229	0.66190	0.48410	0.38490
	LURE-Llama2-70B	2.3740	1.2437	0.60510	0.42530	0.32030
70B-few	Uniform random	36.6017	16.8825	9.4717	6.3474	4.3089
	LURE-Llama2-7B	24.8052	14.7678	7.9162	5.2615	4.0596
	LURE-Llama2-70B	40.8407	30.077	21.3892	17.1808	14.7939
7B-few	Uniform random	19.5177	9.5602	4.9347	3.1286	2.2497
	LURE-Llama2-7B	14.2747	8.3696	4.6265	3.2263	2.3764
	LURE-Llama2-70B	9.7216	6.4914	3.6886	2.8971	2.1722

Table 2: Risk-estimation error for experiments on SST-2 using the cross-entropy acquisition functions for LURE experiments. All risk-estimation error in the table are scaled by 10^{-4} . For each experiment, minimum value is shown in bold.

Acquisition step		50	100	200	300	400
Target	Method					
70B-zero	Uniform random	1.2104	0.64740	0.30890	0.21120	0.15430
	LURE-Llama2-7B	0.4688	0.2311	0.1113	0.07570	0.05700
	LURE-Llama2-70B	0.139	0.0758	0.0373	0.0251	0.0178
7B-zero	Uniform random	9.7212	5.1028	2.4378	1.5612	1.1429
	LURE-Llama2-7B	3.4150	1.6835	0.87130	0.58730	0.43130
	LURE-Llama2-70B	1.6958	0.89970	0.44150	0.29280	0.23000
70B-few	Uniform random	15.5609	6.6315	3.7465	2.5614	2.1347
	LURE-Llama2-7B	16.4075	8.2611	4.4942	3.1802	2.1987
	LURE-Llama2-70B	8.2473	5.0366	3.0052	2.1589	1.6293
7B-few	Uniform random	7.4461	3.9287	1.8132	1.1308	0.87000
	LURE-Llama2-7B	5.2522	2.6268	1.2944	0.84500	0.63670
	LURE-Llama2-70B	1.8539	1.0921	0.62250	0.42070	0.30200

Table 3: Risk-estimation error for experiments on Subjectivity using the cross-entropy acquisition functions for LURE experiments. All risk-estimation error in the table are scaled by 10^{-4} . For each experiment, minimum value is shown in bold.

Acquisition step		50	100	200	300	400
Target	Method					
70B-zero	Uniform random	2.3826	1.1493	6.3630	0.39690	0.30590
	LURE-Llama2-7B	0.8497	0.4371	0.2247	0.1524	0.1090
	LURE-Llama2-70B	0.5703	0.2996	0.1418	0.09900	0.07770
7B-zero	Uniform random	4.3455	2.3304	1.3545	0.96420	0.80470
	LURE-Llama2-7B	3.8653	1.9395	1.1326	0.86310	0.71630
	LURE-Llama2-70B	3.0157	1.7693	0.94190	0.73000	0.64030
70B-few	Uniform random	24.5497	11.8593	5.8947	4.263	2.897
	LURE-Llama2-7B	26.4253	13.5746	6.9755	4.249	3.0014
	LURE-Llama2-70B	19.8693	11.2704	6.1626	3.983	2.9785
7B-few	Uniform random	23.7706	11.7404	6.6989	4.6215	3.4943
	LURE-Llama2-7B	19.6371	9.638	5.8037	4.0226	3.1452
	LURE-Llama2-70B	13.4897	7.5196	4.1388	2.7654	2.2691

Table 4: Risk-estimation error for experiments on Hate Speech using the cross-entropy acquisition functions for LURE experiments. All risk-estimation error in the table are scaled by 10^{-4} . For each experiment, minimum value is shown in bold.