

Datasets		ESC10						GSCD						
Unlearning	Methods	Aug	UNA	RMA	TEA	MIA	AGP	RTE	UNA	RMA	TEA	MIA	AGP	RTE
Amnesiac	NA	0	100	93.06	16.67	0.69	44.93	0	99.97	94.09	27.52	5.66	756.11	
	TM	0	100	95.14	70.83	15.74	77.9	0	98.95	93.45	25.46	8.26	551.73	
	FM	0	100	95.83	79.17	23.84	73.41	0	98.29	93.51	29.75	0.88	617.35	
	AN	0	100	84.03	54.17	20.83	58.2	0	99.36	91.98	34.69	4.2	618.23	
	AN+FM	0	100	94.44	79.17	25.69	88.21	0	97.84	94.48	48.97	2.3	552.97	
Bad Teacher	TS	0	100	90.97	12.5	0.93	269.02	0	99.47	93.23	11.02	7.96	876.38	
	NA	3.12	99.11	90.28	0	8.22	29.43	4.26	98.52	94.09	0	16.25	593.98	
	TM	3.12	100	92.36	0	9.84	29.59	1.02	96.92	92.73	0	17.33	606.75	
	FM	3.12	98.21	90.28	0	5.9	29.57	2.21	96.19	93.19	0	11.64	613.09	
	AN	3.12	100	80.56	0	7.75	30.21	2.96	96.64	91.38	0	16.96	608.6	
	AN+FM	12.5	92.41	81.94	0	9.03	29.95	1.83	96.08	94.22	0	15.05	617.11	
Boundary	TS	18.75	98.66	88.19	0	12.27	154.56	5.66	97.41	92.76	0	13.68	1791.4	
	NA	75	95.98	83.33	75	48.38	5.82	61.85	96.66	90.84	93.11	37.91	106.51	
	TM	31.25	59.82	59.03	87.5	42.82	5.82	42.03	96.83	92.47	78.45	23.93	105.95	
	FM	59.38	90.62	79.86	70.83	46.18	5.81	56.09	95.13	92.28	95.87	41.23	105.24	
	AN	68.75	100	90.28	20.83	30.56	5.83	58.94	94.47	90.84	93.32	36.65	105.41	
	AN+FM	40.62	83.48	72.92	75	43.63	5.21	50.54	95.16	93.79	4.07	30.07	104.92	
Fisher	TS	0	60.71	52.08	45.83	25	22.89	37.28	90.29	85.45	39.25	16.9	239.54	
	NA	9.38	99.55	92.36	0	9.61	64.26	1.13	97.61	91.77	2.01	14.82	5527.26	
	TM	15.62	98.66	90.28	0	14.7	58.8	0.65	98.07	93.38	2.17	16.26	5374.56	
	FM	9.38	98.21	93.06	0	7.06	59.86	0.16	96.14	93.36	0.43	10.76	5554.2	
	AN	0	98.66	94.44	0	2.08	63.46	0.54	96.01	91.22	0.65	15.98	5897.54	
	AN+FM	0	99.11	94.44	0	2.08	64.96	0.16	96.4	94.16	0.54	14.33	5908.66	
Gradient Ascent	TS	0	98.21	89.58	0	5.56	89.82	0.48	98.46	93.06	0.22	11.78	5568.75	
	NA	100	100	93.75	100	61.57	14.77	0.11	83.42	77.21	93.11	21.87	217.17	
	TM	0	66.52	66.67	83.33	28.47	14.99	0	84.97	81.29	95.44	19.32	226.64	
	FM	100	99.11	95.83	20.83	37.73	15.26	99.08	97.57	93.62	91.15	53.54	230.45	
	AN	0	65.62	38.19	83.33	45.83	15.66	97.36	98.41	94.11	80.78	44.32	230.08	
	AN+FM	0	93.3	79.86	25	11.11	15.22	99.52	97.77	94.44	91.53	49.67	242.39	
Retrain	TS	0	96.43	80.56	66.67	22.45	295.32	97.04	99.21	92.72	77.47	47.14	2297.97	
	NA	0	100	95.14	16.67	0	170.62	0	99.24	93.36	43.76	0	743.2	
	TM	0	100	93.75	25	0	162.45	0	99.72	93.75	49.95	0	705.79	
	FM	0	100	96.53	8.33	0	154.33	0	99.6	94.96	30.94	0	705.28	
	AN	0	100	96.53	4.17	0	145.96	0	99.59	93.9	45.39	0	715.58	
	AN+FM	0	99.11	92.36	4.17	0	80.26	0	97.91	94.97	42.56	0	876.98	
SCRUB	TS	0	100	93.75	12.5	0	984.61	0	99.72	93.88	34.26	0	4609.62	
	NA	0	78.12	65.97	66.67	26.39	30.08	99.84	99.82	94.09	96.63	51.15	585.72	
	TM	0	96.43	87.5	41.67	7.64	29.06	99.95	99.87	95.02	97.34	49.54	584.23	
	FM	0	100	92.36	25	6.94	29.15	99.08	98.73	94.7	92.94	53.78	586.66	
	AN	0	99.55	93.75	41.67	13.43	29.09	99.22	99.08	94.7	92.29	48.64	582.44	
	AN+FM	0	99.55	95.14	20.83	6.48	29.12	99.89	98.65	94.96	90.1	49.14	585.55	
SSD	TS	0	99.55	95.83	20.83	3.47	171.86	99.41	99.82	94.53	94.3	53.37	1810.26	
	NA	0	13.38	13.19	37.5	34.26	1.71	0	98.89	93.28	9.83	11.34	49.46	
	TM	0	22.32	22.22	83.33	43.29	3.11	0	48.98	49.2	6.84	29.22	51.72	
	FM	0	98.21	92.36	0	4.17	2.95	98.65	97.73	93.75	75.79	48.23	51.11	
	AN	0	10.71	11.11	0	29.86	2.97	55.28	98.52	94.18	0.05	33.63	50.63	
	AN+FM	0	42.86	48.61	95.83	45.14	2.79	99.73	97.56	94.27	93.81	50.56	50.3	
UNSIR	TS	0	11.61	11.11	37.5	35.88	22.35	97.04	99.49	93.19	32.84	33.05	184.89	
	NA	0	80.36	74.31	83.33	29.17	1040.9	0	89.08	84.07	25.35	9.23	254.96	
	TM	0	91.96	73.61	54.17	16.44	1139.53	0	88.89	85.92	24.1	11.22	264.29	
	FM	0	79.46	88.89	87.5	28.94	1000.06	0	84.83	84.37	68.19	15.94	264.75	
	AN	0	72.77	65.28	33.33	20.14	1085.82	0	86.82	83.42	34.15	7.24	265.35	
	AN+FM	0	64.73	62.5	58.33	28.01	1119.4	0	60.58	65.02	83.66	23.68	277.41	
	TS	0	85.71	76.39	58.33	21.06	1129.28	0	84.91	81.4	19.6	9.05	1514.39	

Evaluation of Machine Unlearning Methods on the ESC10 and GSCD Datasets with the AST Model