

Datasets		ESC10						GSCD						
Unlearning	Methods	Aug	UNA	RMA	TEA	MIA	AGP	RTE	UNA	RMA	TEA	MIA	AGP	RTE
Amnesiac	NA	0	100	88.89	4.17	1.39	6.76	0	99.95	90.34	54.13	10.08	211.2	
	TM	0	100	90.97	45.83	12.96	10.65	0	99.27	91.74	47.67	5.52	217.96	
	FM	0	98.66	89.58	16.67	4.4	7.44	0	99.31	92.69	51.95	8.42	207.77	
	AN	0	100	84.03	83.33	27.78	12.98	0	99.84	92	55.86	10.53	199.78	
	AN+FM	0	98.21	88.89	45.83	15.74	7.78	0	95.37	92.37	55.37	6.06	198.1	
Bad Teacher	TS	0	100	88.19	41.67	11.34	214.43	0	99.44	95.04	15.64	10.65	550.95	
	NA	31.25	100	88.89	0	10.42	6.19	0.16	97.71	90.62	0	8.11	205.88	
	TM	18.75	100	92.36	0	9.95	7.06	0	96.93	90.84	0	11.39	217.59	
	FM	28.12	100	87.5	0	11.23	6.61	0.32	97.95	92.3	0	9.13	217.51	
	AN	3.12	99.55	84.72	0	1.27	6.34	0.05	97.44	90.79	0	8.9	202.61	
Boundary	AN+FM	21.88	98.66	89.58	0	7.52	7.69	0.32	94.03	93.02	0	13.01	209.9	
	TS	9.38	99.55	85.42	0	7.06	144.23	0	98.17	94.96	0	15.83	1793.71	
	NA	34.38	91.07	73.61	0	16.55	1.6	66.54	97.4	86.95	21.23	24.31	37.08	
	TM	28.12	88.39	72.92	0	17.71	1.7	54.96	92.84	87.23	25.73	22.33	38.78	
	FM	28.12	85.27	79.86	4.17	12.38	1.69	47.79	96.39	91.55	14.28	20.44	37.95	
Fisher	AN	25	63.84	73.61	0	11.81	1.71	50.59	95	88.64	17.75	20.55	34.84	
	AN+FM	31.25	82.59	75	4.17	16.9	2.37	43.75	85.78	89.22	79.75	29.82	34.44	
	TS	15.62	84.38	71.53	4.17	12.38	17.64	36.37	96.49	92.78	8.85	25.56	191.63	
	NA	6.25	87.05	71.53	0	7.87	17.92	13.63	95.59	86.33	2.06	13.27	1799.04	
	TM	9.38	91.52	84.03	0	7.75	18.36	5.33	94.89	88.77	5.27	12.1	1888.8	
Gradient Ascent	FM	3.12	95.54	82.64	0	4.51	18.33	15.84	96.08	89.4	1.74	14.69	1869.33	
	AN	37.5	96.88	74.31	0	15.74	20.01	4.26	95.18	87.09	4.23	10.13	1830.68	
	AN+FM	3.12	95.09	79.86	4.17	5.9	19.14	9	92.25	90.99	2.17	15.85	1845.97	
	TS	0	95.54	81.25	0	5.32	42.78	4.09	97.11	93.62	2.55	16.62	2144.44	
	NA	28.12	89.73	72.92	0	14.7	3.49	0	86.19	79.15	48.48	11.93	83.04	
Retrain	TM	28.12	88.39	72.22	0	17.94	4.41	0	88.22	82.34	59.55	12.61	96.02	
	FM	21.88	86.61	81.25	0	11.23	3.96	0	85.31	79.89	63.08	16.2	99.19	
	AN	21.88	61.16	74.31	4.17	11.92	4.28	0	79.13	73.28	59.72	18.05	91.7	
	AN+FM	21.88	83.93	70.14	4.17	15.39	4.38	0	66	73.17	36.86	7.23	103.61	
	TS	12.5	82.14	72.92	0	12.27	281.16	0	91.07	87.83	62.7	7.45	2199.41	
SCRUB	NA	0	100	88.89	0	0	29.54	0	99.86	90.51	24.05	0	278.99	
	TM	0	100	89.58	8.33	0	28.53	0	99.62	92.82	32.19	0	439.24	
	FM	0	99.11	88.89	4.17	0	30.91	0	99.34	92.39	26.98	0	497.79	
	AN	0	100	84.03	0	0	37.91	0	99.86	92.59	24.86	0	521.26	
	AN+FM	0	98.66	90.28	0	0	34.28	0	98.1	93.45	38.27	0	760.89	
SSD	TS	0	100	88.89	8.33	0	1523.58	0	99.47	94.7	47.23	0	5572.67	
	NA	0	100	88.89	12.5	4.17	6.08	0	13.65	13.3	81.54	44.9	197.87	
	TM	0	100	89.58	20.83	4.17	3.86	0	12.83	11.47	0.92	37.54	203.94	
	FM	0	92.41	86.81	54.17	17.36	6.49	0	16.75	17.75	34.58	27.41	194.12	
	AN	0	100	84.03	29.17	9.72	4.95	0	13.89	14.43	81.92	45.07	206.82	
UNSIIR	AN+FM	0	95.09	88.89	58.33	19.91	6.13	0	12.26	11.96	33.39	28.79	196.41	
	TS	0	99.11	84.72	29.17	8.33	168.15	0	11.7	11.49	20.74	36.57	1613.88	
	NA	0	2.23	4.17	20.83	35.19	0.81	93.91	99.42	90.26	17.86	33.45	18.03	
	TM	0	100	92.36	0	3.7	0.9	40.09	98.53	91.72	1.3	24.02	17.51	
	FM	0	91.52	75.69	0	5.79	0.8	99.68	98.8	92.5	96.63	56.48	17.3	
UNSIIR	AN	0	10.71	16.67	62.5	43.29	0.89	0	98.35	91.35	7.82	6.09	19.28	
	AN+FM	0	97.77	92.36	0	0.69	0.96	98.76	95.26	93.19	11.13	42.05	19.84	
	TS	0	9.82	11.11	54.17	41.2	17.97	98.38	99.02	95	66.83	39.43	203.35	
	NA	3.12	99.11	88.89	45.83	16.32	15.92	0	94.91	92.41	32.25	3.36	84.06	
	TM	0	98.21	89.58	62.5	18.06	15.04	0.16	94.36	93.53	39.58	2.75	93.7	
UNSIIR	FM	3.12	91.52	73.61	41.67	18.63	17.23	0.05	93.49	93.16	29.15	1	89.85	
	AN	15.62	99.55	65.28	45.83	26.74	15.15	0	94.53	93.55	42.62	6.14	99.53	
	AN+FM	3.12	83.04	78.47	45.83	20.25	18.46	0.54	87.74	93.08	43.27	1.97	102.6	
	TS	3.12	98.66	86.81	33.33	10.07	163.86	0	96.2	95	29.86	5.89	1434.23	

Evaluation of Machine Unlearning Methods on the ESC10 and GSCD Datasets with the ResNet-18 Model