

Reverse Light On Attack

Model	Sample Size	F1 Score	FN	Attack	Epsilon	F1 Score (Adv)	FN (Adv)	ASR (FN)
DNN	15195	0.0%	15195	FGSM	1	0.0%	15186	100.0%
DNN	15195	0.0%	15195	FGSM	5	0.0%	15186	100.0%
DT	15195	98.9%	324	FGSM	1	13.2%	14112	92.9%
DT	15195	98.9%	324	FGSM	5	20.1%	13488	88.8%
RF	15195	99.0%	309	FGSM	1	38.1%	11607	76.4%
RF	15195	99.0%	309	FGSM	5	0.7%	15135	99.7%
ET	15195	98.9%	324	FGSM	1	84.8%	4014	26.4%
ET	15195	98.9%	324	FGSM	5	1.4%	15081	99.3%
XGBoost	15195	99.0%	312	FGSM	1	0.7%	15135	99.7%
XGBoost	15195	99.0%	312	FGSM	5	0.7%	15135	99.7%
DNN	15195	0.0%	15195	BIM	1	0.0%	15186	100.0%
DNN	15195	0.0%	15195	BIM	5	0.0%	15186	100.0%
DT	15195	98.9%	324	BIM	1	15.4%	13920	91.7%
DT	15195	98.9%	324	BIM	5	15.4%	13917	91.6%
RF	15195	99.0%	309	BIM	1	45.1%	10761	70.9%
RF	15195	99.0%	309	BIM	5	44.9%	10788	71.0%
ET	15195	98.9%	324	BIM	1	85.0%	3972	26.2%
ET	15195	98.9%	324	BIM	5	85.0%	3969	26.1%
XGBoost	15195	99.0%	312	BIM	1	5.3%	14772	97.3%
XGBoost	15195	99.0%	312	BIM	5	5.5%	14754	97.2%
DNN	15195	0.0%	15195	PGD	1	0.0%	15186	100.0%
DNN	15195	0.0%	15195	PGD	5	0.0%	15186	100.0%
DT	15195	98.9%	324	PGD	1	14.1%	14033	92.4%
DT	15195	98.9%	324	PGD	5	15.6%	13903	91.6%
RF	15195	99.0%	309	PGD	1	40.5%	11330	74.6%
RF	15195	99.0%	309	PGD	5	8.5%	14512	95.6%
ET	15195	98.9%	324	PGD	1	84.6%	4050	26.7%
ET	15195	98.9%	324	PGD	5	48.2%	10368	68.3%
XGBoost	15195	99.0%	312	PGD	1	2.1%	15026	98.9%
XGBoost	15195	99.0%	312	PGD	5	7.0%	14636	96.4%