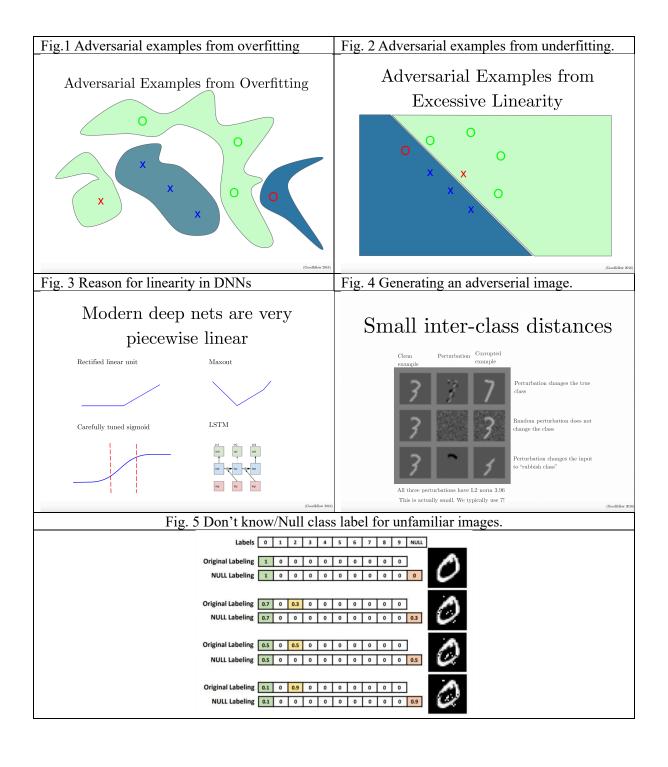
Adversarial Attacks and Adversarial Training

Ruthwik Ganesh 230702930 ec23759@qmul.ac.uk

This is a supporting document for ICV coursework 2 contains images and tables that should be referred as one progresses through the report.



Method	Black/White box	Targeted/Non-targeted	Specific/Universal	Perturbation norm	Learning	Strength
L-BFGS [22]	White box	Targeted	Image specific	ℓ_{∞}	One shot	***
FGSM [23]	White box	Targeted	Image specific	ℓ_{∞}	One shot	***
BIM & ILCM [35]	White box	Non targeted	Image specific	ℓ_{∞}	Iterative	****
JSMA [60]	White box	Targeted	Image specific	ℓ_0	Iterative	***
One-pixel [68]	Black box	Non Targeted	Image specific	ℓ_0	Iterative	**
C&W attacks [36]	White box	Targeted	Image specific	$\ell_0, \ell_2, \ell_\infty$	Iterative	****
DeepFool [72]	White box	Non targeted	Image specific	ℓ_2, ℓ_{∞}	Iterative	****
Uni. perturbations [16]	White box	Non targeted	Universal	ℓ_2, ℓ_{∞}	Iterative	****
UPSET [146]	Black box	Targeted	Universal	ℓ_{∞}	Iterative	****
ANGRI [146]	Black box	Targeted	Image specific	ℓ_{∞}	Iterative	****
Houdini [131]	Black box	Targeted	Image specific	ℓ_2, ℓ_{∞}	Iterative	****
ATNs [42]	White box	Targeted	Image specific	ℓ_{∞}	Iterative	****