

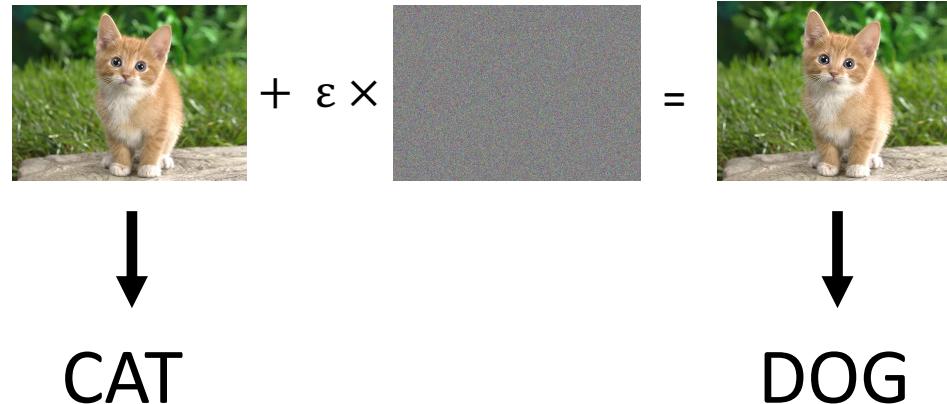
ML-LOO: Detecting Adversarial Examples with Feature Attribution

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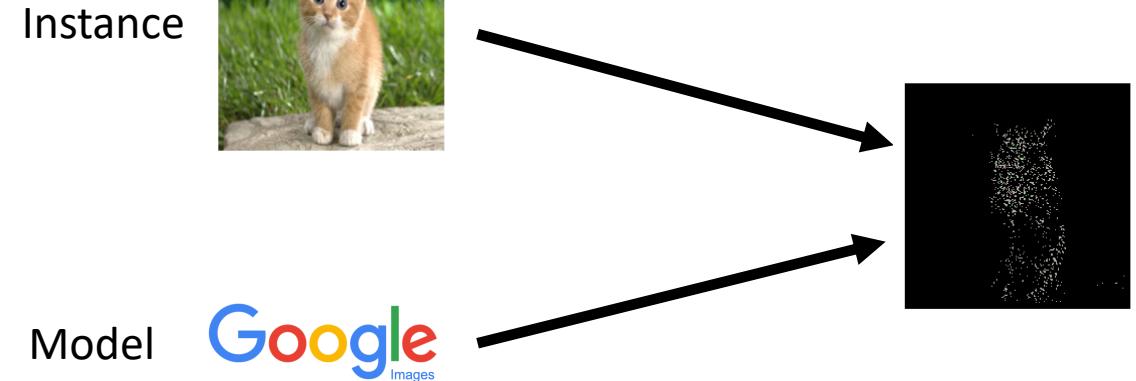
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Adversarial attack (Szegedy et. al. 2013)

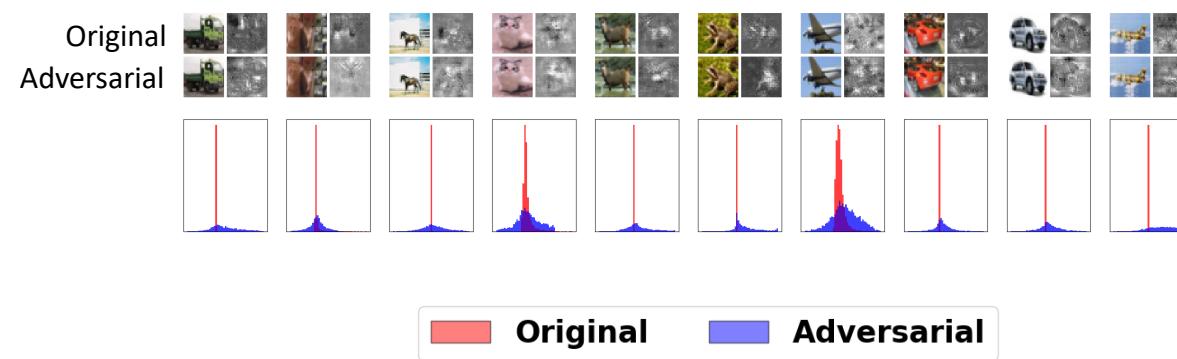
Fool a (deep) image classifier with minimum perturbation.



Feature attribution

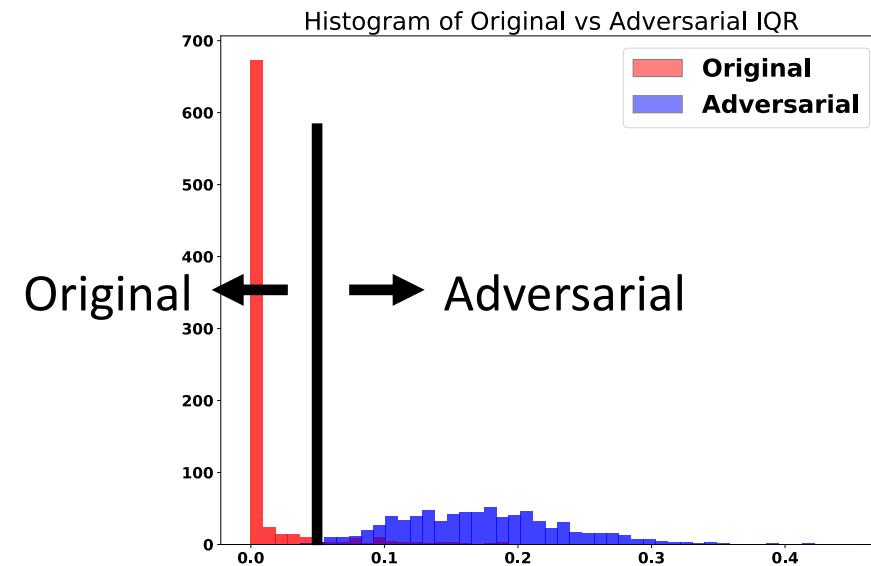


A difference in attribution maps



Histogram of Attribution Scores

A universal scaling difference



Histogram of Attribution Interquartile Range