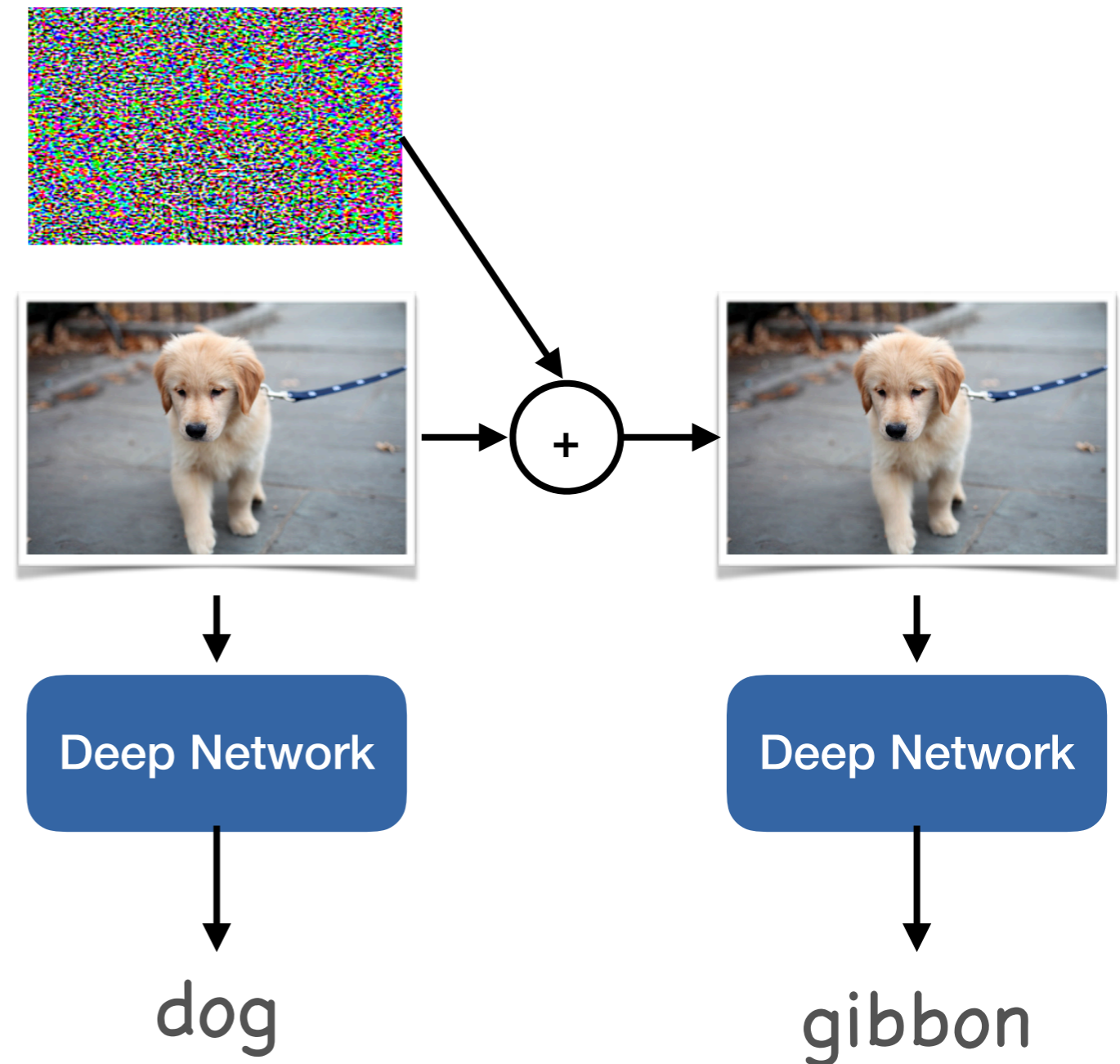


Fooling deep networks

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Adversarial perturbations

- Fooling a deep network
 - Image + noise = wrong prediction
- Intriguing properties of neural networks, Szegedy et al., arXiv 2013
- Explaining and Harnessing Adversarial Examples, Goodfellow et al., ICLR 2015



Why does this work?

- Example: Linear CNNs
- Each noisy perturbation add a little bit to output

