Image Net-trained CNNs are biased towards texture:
Increasing shape bias improves accuracy and robustness
- shape hypothesis
L texture hypothesis of  A cat with elephant feature -> CNNs : elephant  Humans: cat
A cat with dephant feature -> CNNs : elephant
Humans: cat
Bias can be over come w/ proper dataset
Stylfzed-Image Net (SIN)
: strip every single image of original texture and replace with the style of
a randomly selected parinting through Style-transfer.
Image Net-trained CNNs tend to classify objects according to local textures instead of
global object shapes.  generalize better to natural images.
work poorly on image distortions
Shape: relatively stable
Shape: relatively stable texture: easily distorted by all sorts of noise