



# ImageNet-trained CNNs are biased towards texture

## Group 44

Replicated

What is style transfer?



(a) Texture image



(b) Content image



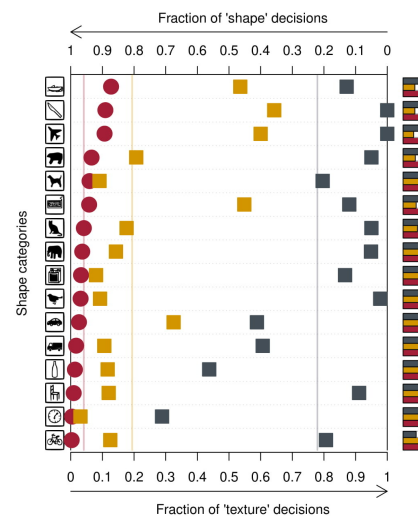
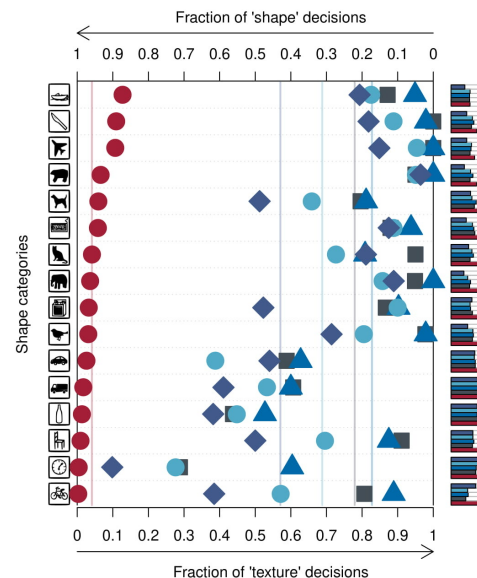
(c) Texture-shape cue conflict

Paper shows: CNNs base their decision primarily on image texture when performing object recognition.

We also created a new (downsampled) style transfered dataset



Paper Results (fig. 4 & 5)



vs. Our Results

