

# Comparative Analysis of Cutout & Augmentation Techniques Using ResNet

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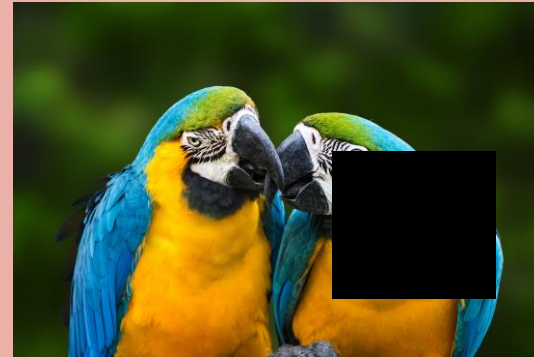
Vanishing  
Problem

# Deep Residual Learning for Image Recognition

DropOut



CutOut



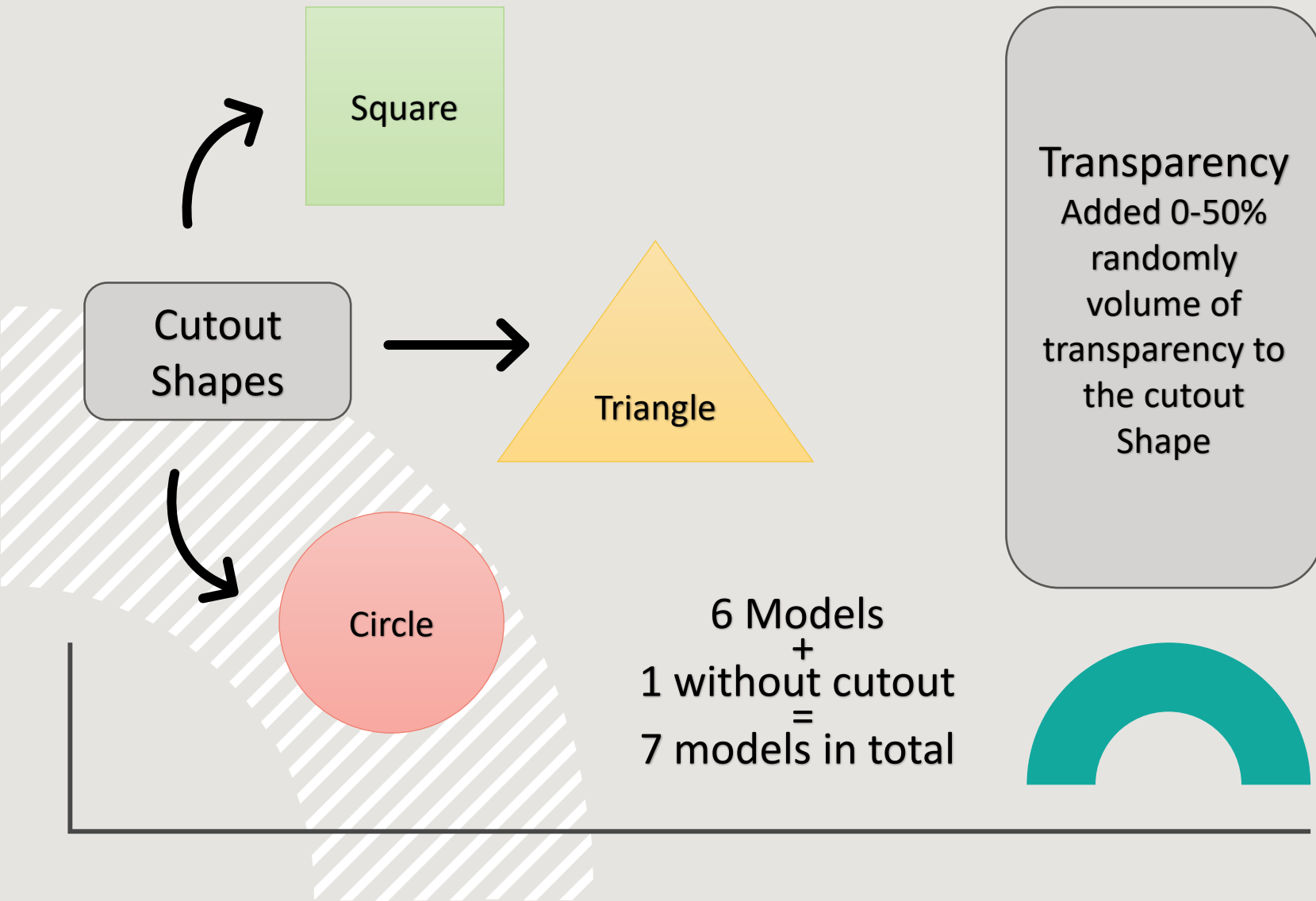
Data  
augmentation



24.07.2023

# Method

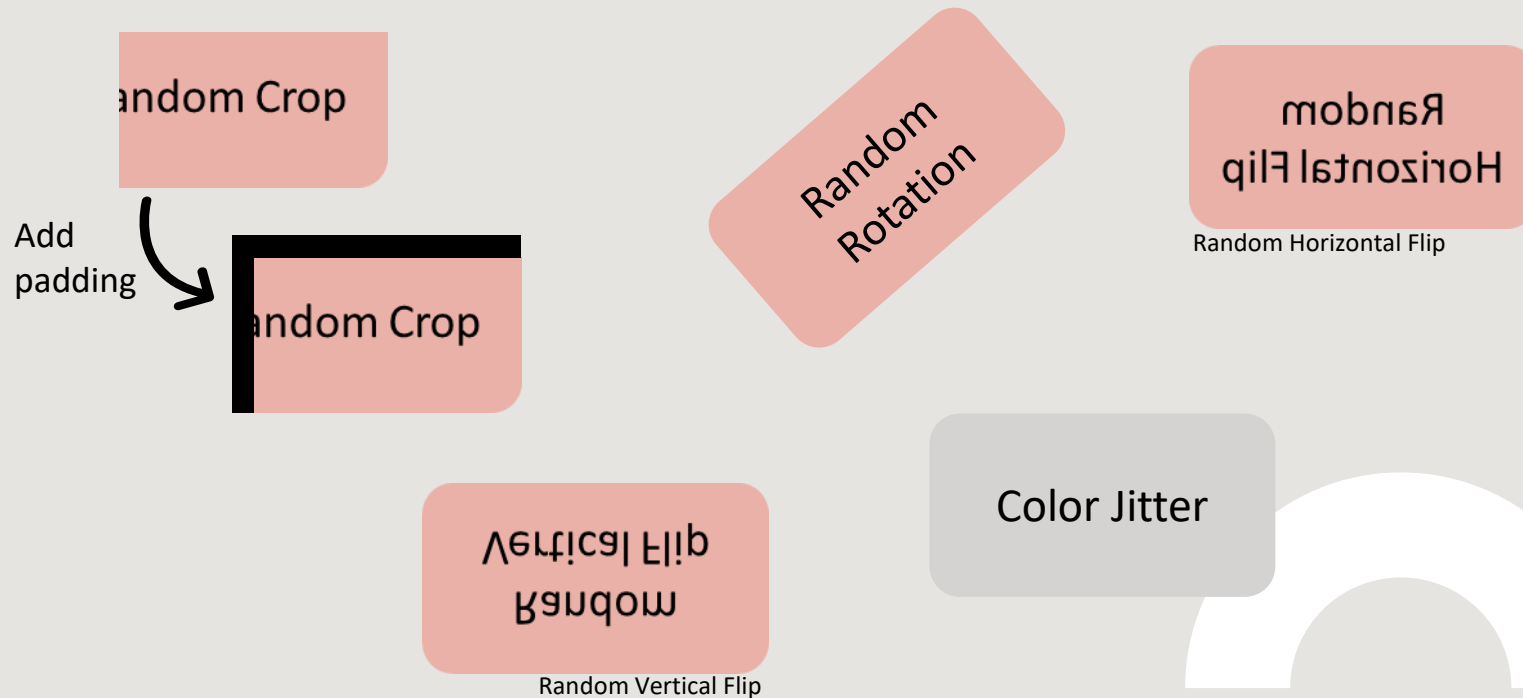
First step



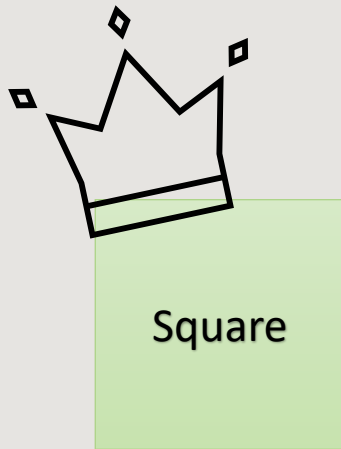
# Method

## Second step

Identify the best augmentations for  
CIFAR-10 dataset

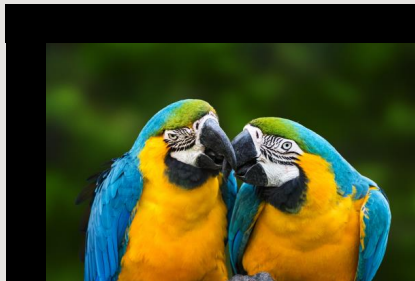


# results

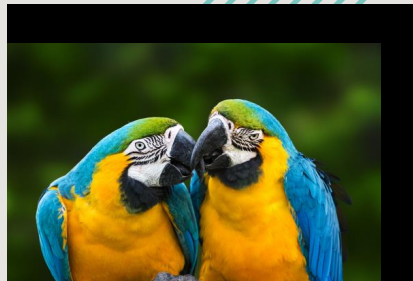


Model	Max Test Acc	Last Epoch Acc
not cutout	95.28	94.98
Shape triangle	95.33	95.30
<b>Shape square</b>	<b>95.62</b>	<b>95.42</b>
Shape circle	95.25	94.98
Intensity triangle	95.31	94.97
Intensity square	94.54	94.47
Intensity circle	95.08	94.85

Best data augmentation:



padding



Flip horizontally



Thank You!

Questions?

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