

## Data Augmentation

### Common augmentation method

Mirroring

Random Cropping (In practice, work well)

Rotation

Shearing

Local warping

Color shifting

R G B  
↓ ↓ ↓  
+20 -20 +20

### Advanced

PCA

AlexNet Paper

"PCA color augmentation"

R B G

### Implementing distortions during training

