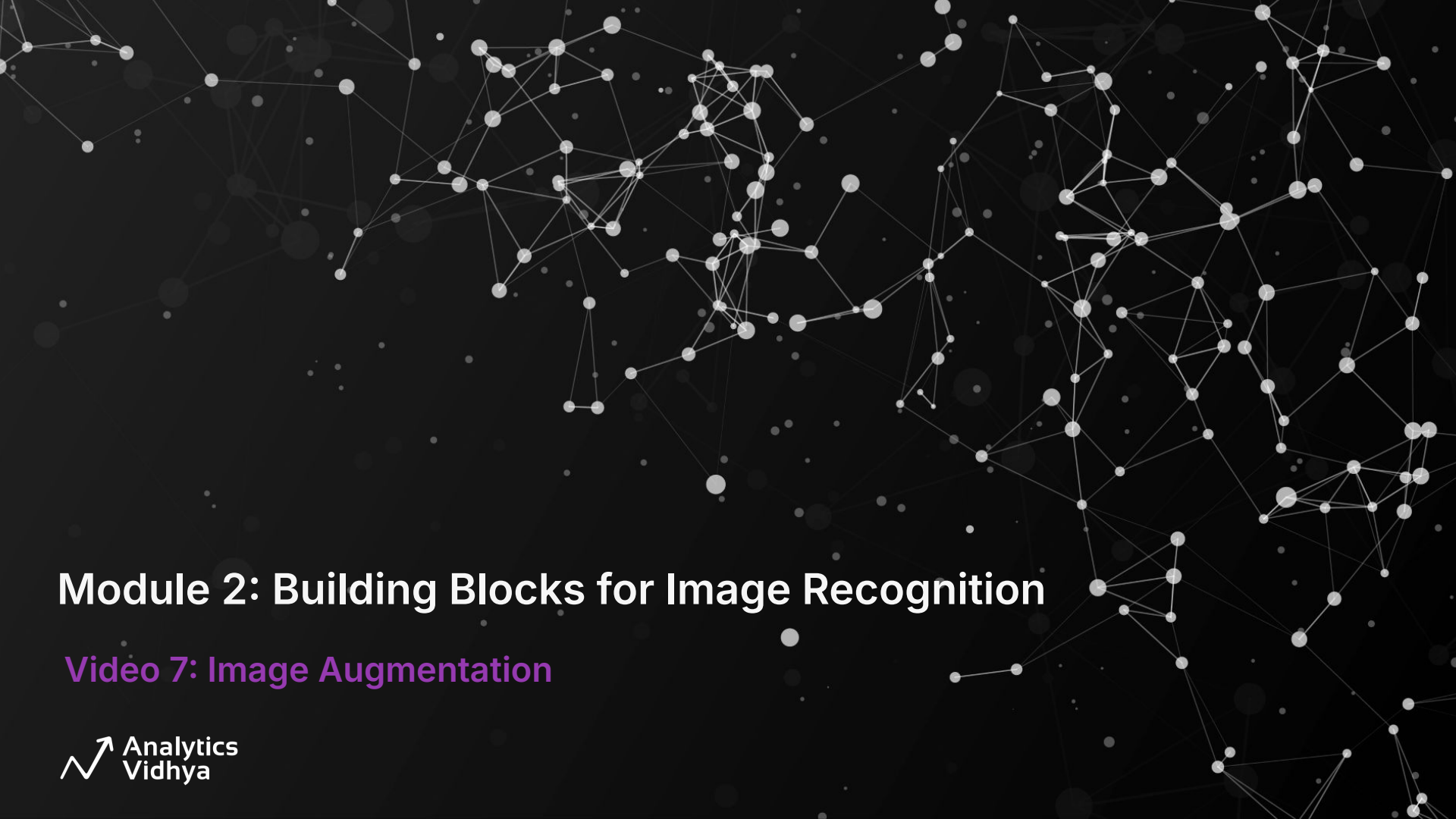

Module 2: Building Blocks for Image Recognition

Video 7: Image Augmentation

Analytics Vidhya

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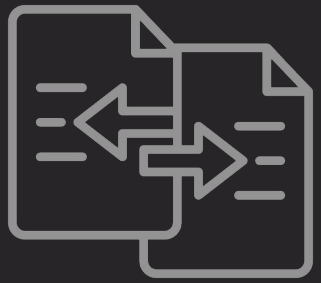
Introduction



Transfer Learning

Image Augmentation

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Image Augmentation

- Artificially expand the size and diversity of training dataset.
- Helps prevent overfitting by introducing variations.
- Applied on the training set only.

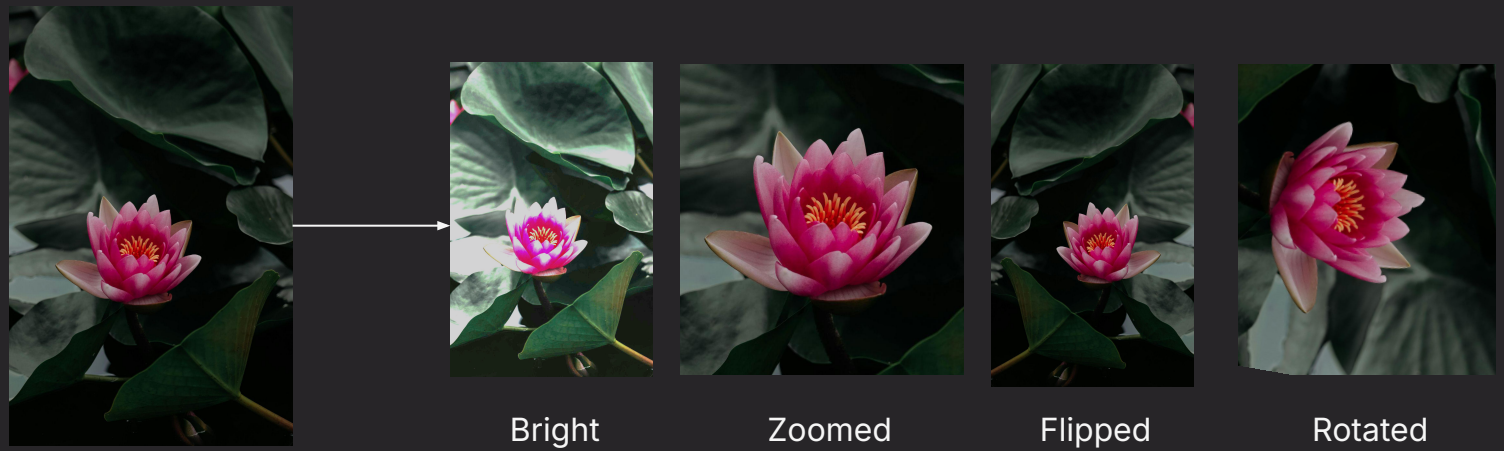

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Image Augmentation: Points to Consider

Original Image:
Six

Augmented Image:
Nine

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Image Augmentation: Points to Consider

Original Image:
Fresh Green Crops

Augmented Image:
Yellow Dried Crops

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Image Augmentation: Points to Consider

Original Image:
Fracture (Left Hand)

Augmented Image:
Fracture (Right Hand)

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UpNext: Hands-on: VGG with Image Augmentation

What if we do not have a pre-trained model and less data to train a new model from scratch?

Image Augmentation