IMAGE AUGMENTATION

GROUP-5

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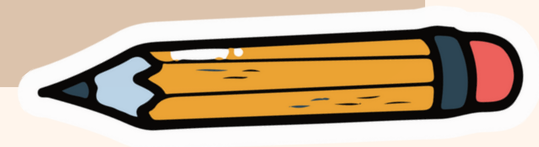
Introduction

- Data augmentation is a machine learning technique to increase the training dataset's size by creating modified versions of the original data.
- Useful when the amount of available data is limited and can help improve the performance.
- Combat overfitting by introducing variations and diversities into the training data

Techniques

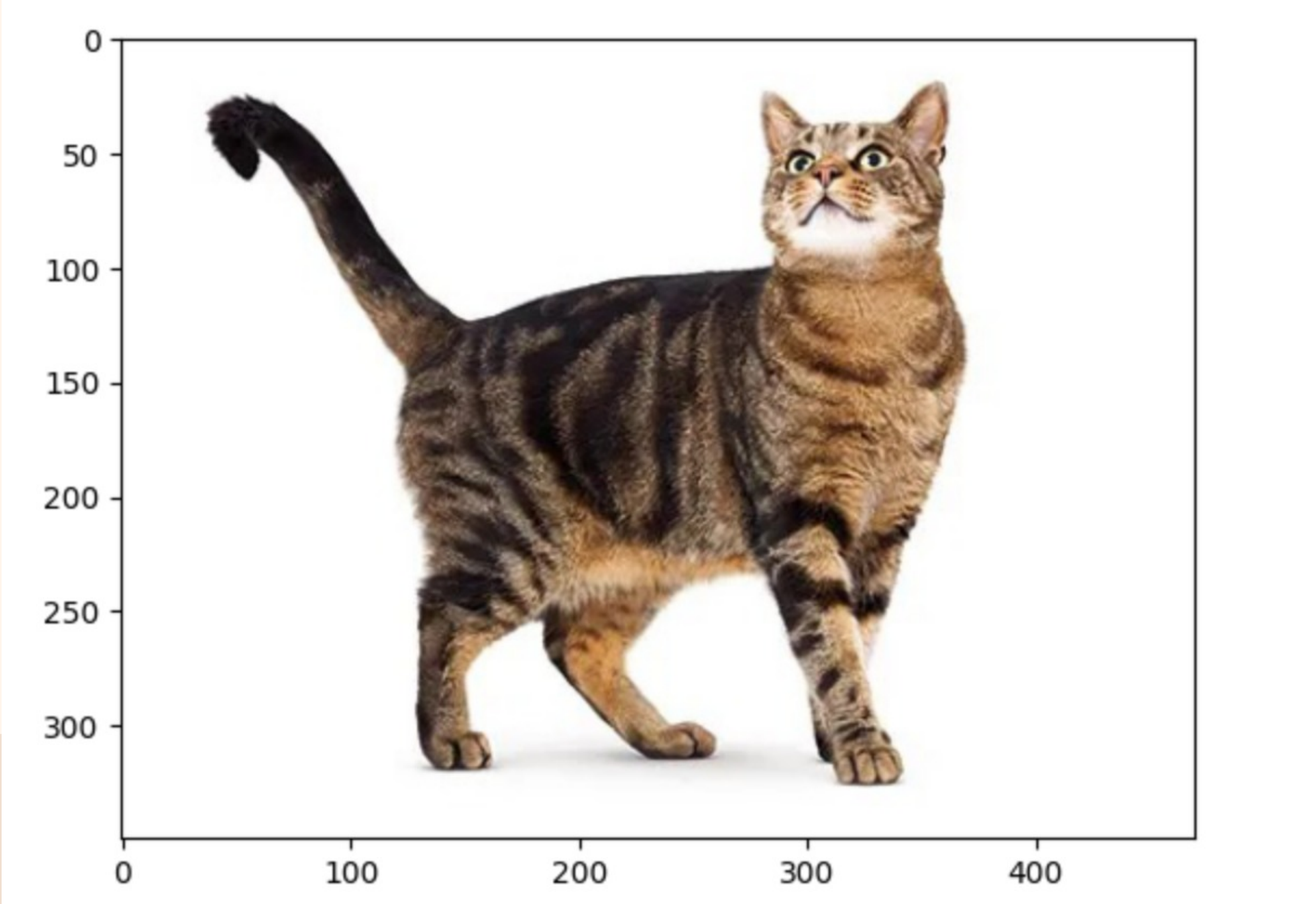
- rotation
- scaling
- flipping
- cropping
- adding noise
- changing the brightness and contrast
- blurring or sharpening

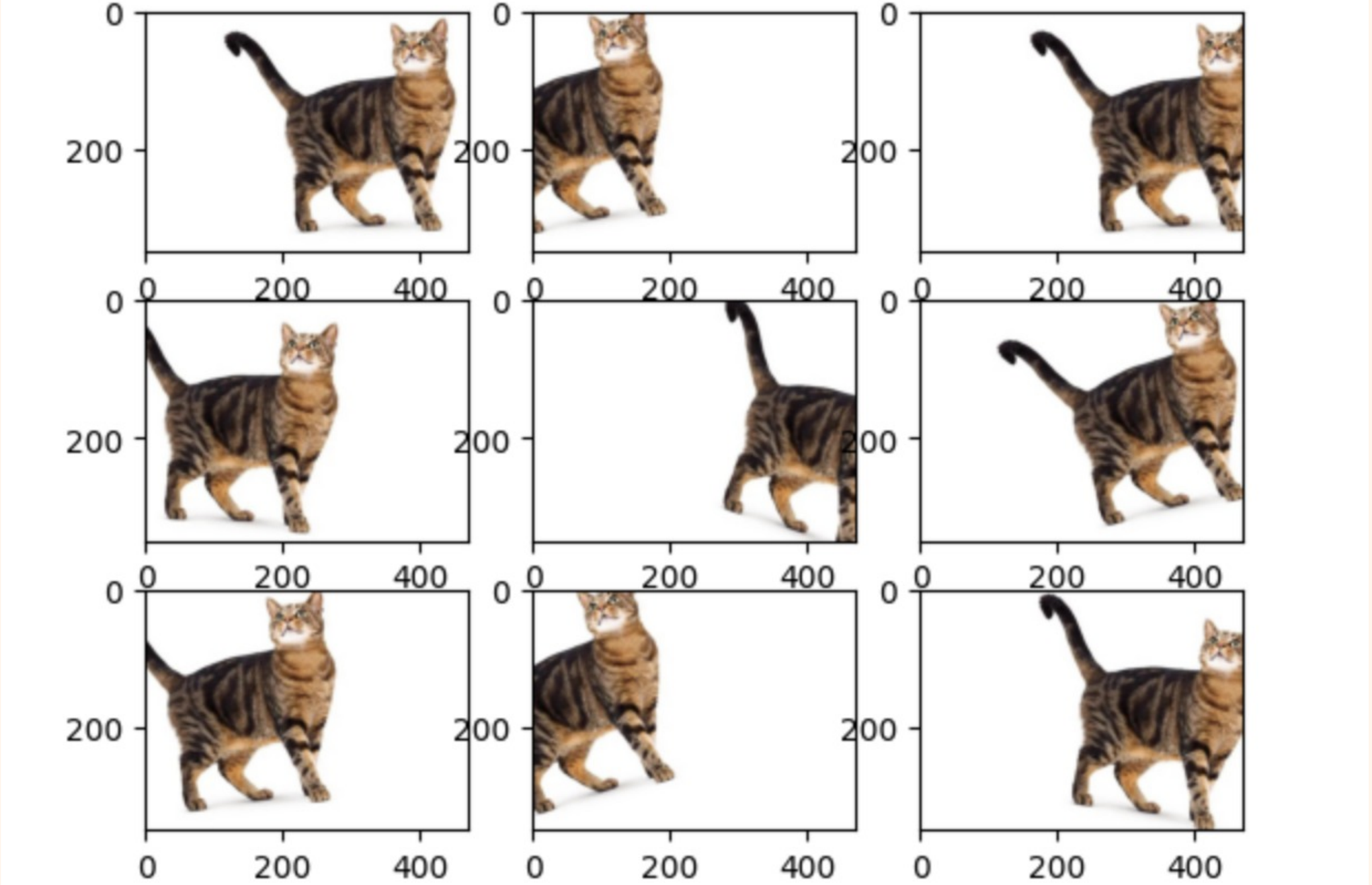


Challenges

Ensuring that the augmented data is still representative of the original data. If the modifications are too extreme, the augmented data may not accurately reflect the real-world data that the model will encounter.

Result

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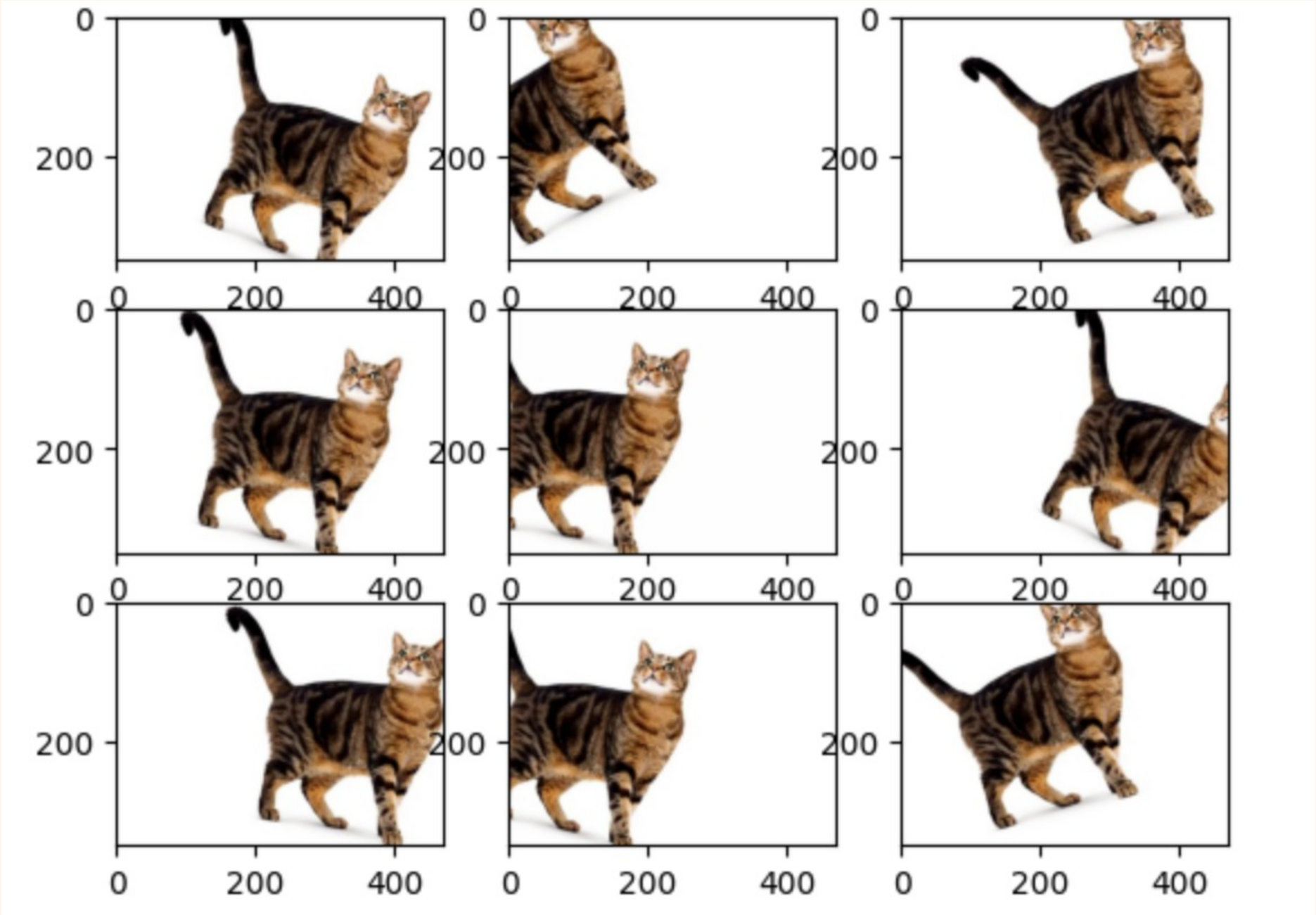
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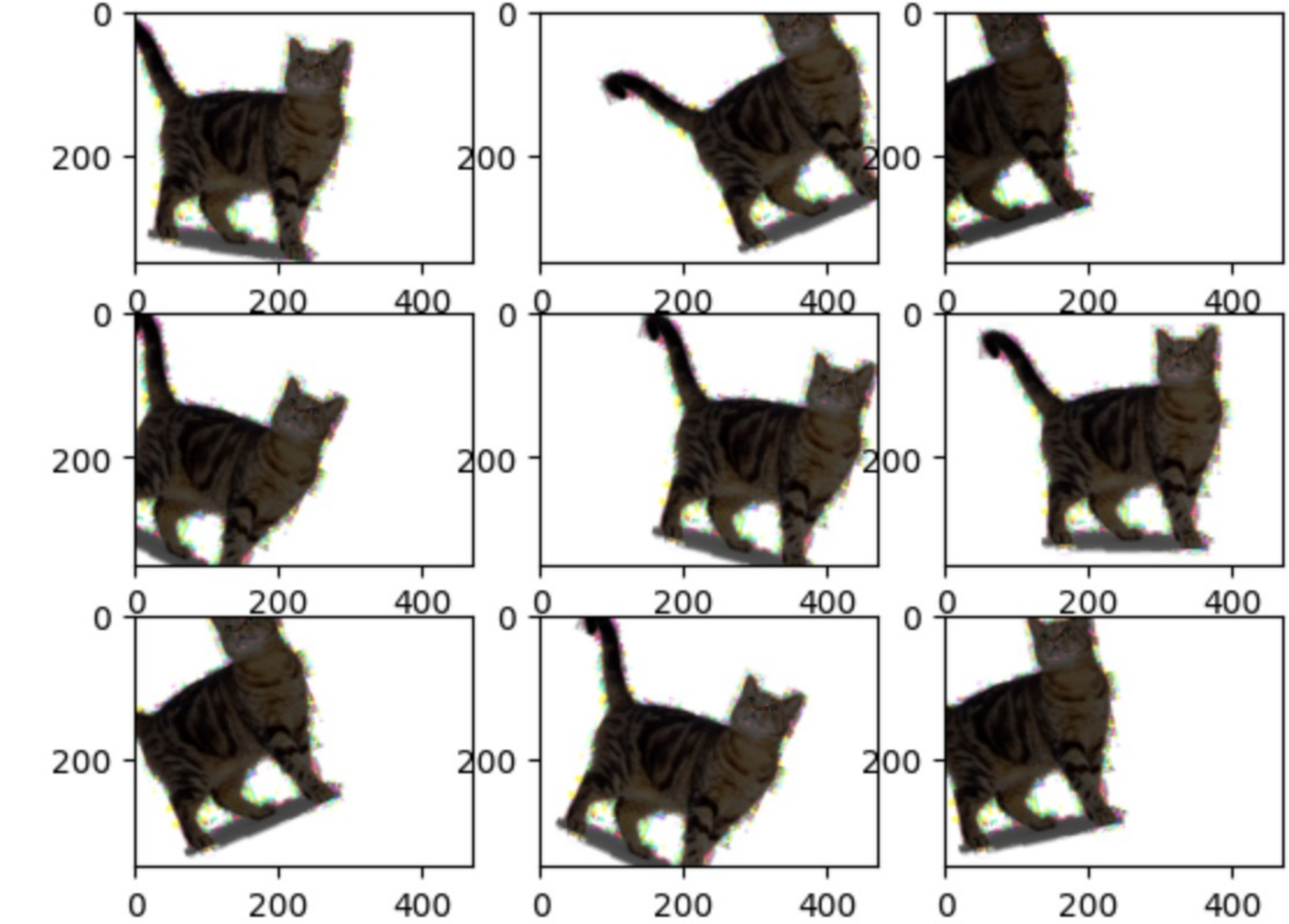
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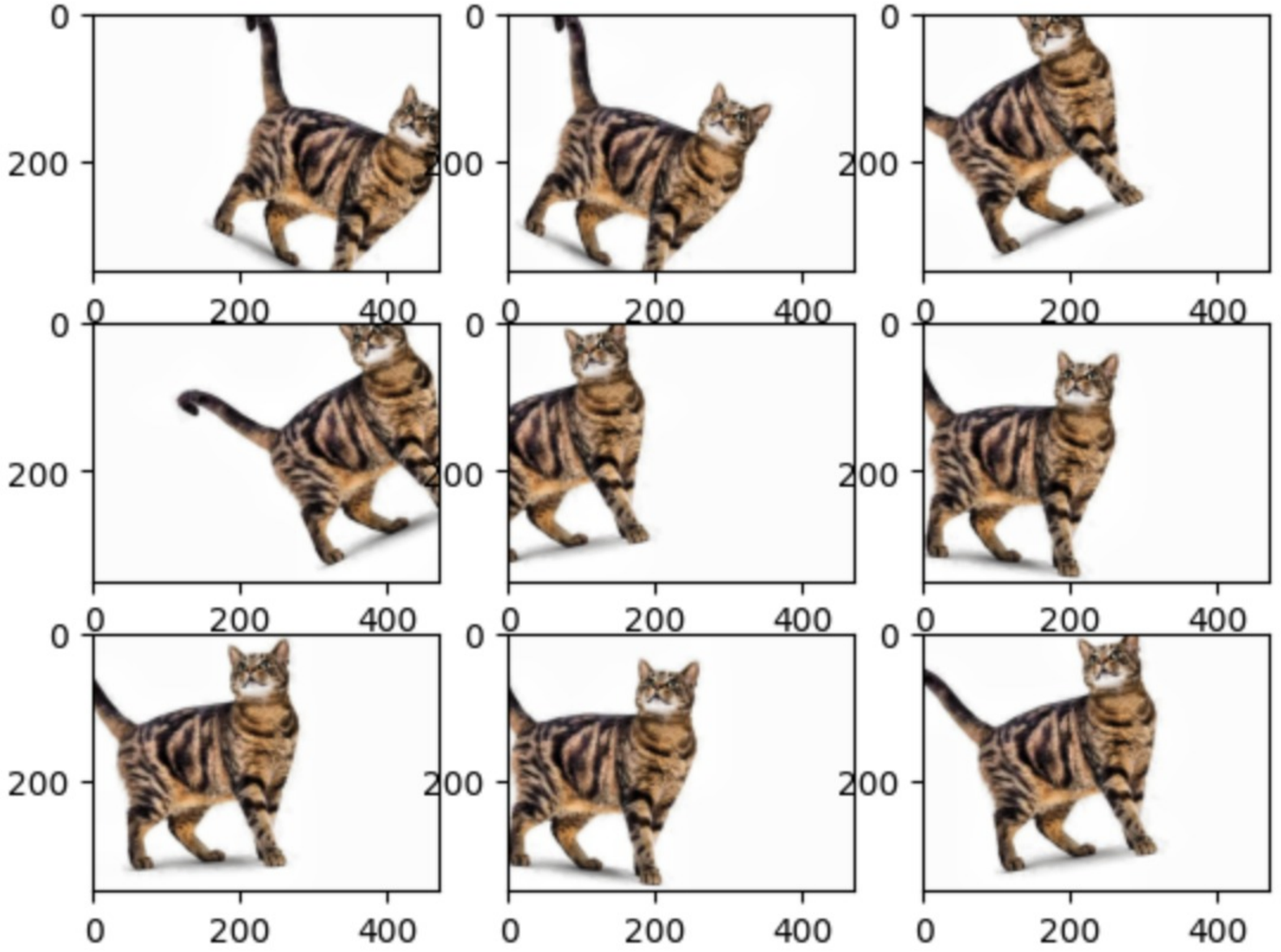
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THANK YOU SO MUCH!