

Mechanistic Interpretability for Vision Models Optimization

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Computer Vision's course project

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The project goal

Starting from a baseline ViT observe the model behavior and try to find a good compromise while trying to get a better inference time at the cost of a worse model accuracy.

Overview

- ▲ Goald and ideas
- ▲ Dataset
- ▲ Model Architecture?
- ▲ Training
- ▲ ACDC
- ▲ Final results and evaluation



Dataset

Tiny ImageNet

- 200 classes
- 64x64 images

Augmentations applied:

- Random horizontal flip
- Random resized crop
- Random rotation
- Gaussian noise
- Random erasing
- Normalization with ImageNet mean & std

