

# Metric Learning: Triplet-Loss

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## I. THE TRIPLET-LOSS PIPELINE

In this supervised similarity or metric learning, the Triplet-Loss pipeline consists of

- Retrieve images from CUB200\_2011 dataset within `TripletCUBDataset` class
- Transform images into tensors and apply additional augmentations to the training set only
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## II. TRAINING CURVES

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## III. VISUALIZATIONS

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- **Throughput:**
- **BOLA:**
- **Dynamic mode:**

## IV. EVALUATION RESULTS

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- ...
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## A. Comparison

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- **Buffer Level:**
- **Throughput:**
- **Latency:**

## B. Discussion

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## V. CONCLUSIONS

TABLE I  
TRAINING RESULTS WITH RESNET18

Metric	Value
Epoch	...
Loss	...
Cosine Similarity Anchor-Positive	...
Cosine Similarity Anchor-Negative	...
Train Top-1	...

Fig. 1. ...