Self-Supervised Segmentation Loss: Learning to Estimate Loss Quality form Mask

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First experiments
L1 vs L2 with distortion

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First experiment: See what we can do when learning to estimate the IoU Loss on the training set (same as where the segmentation was trained), no augmentation or anything like that. The loss function is MSE: $x$ is predicted mask

$$\mathcal{L} = \frac{1}{N} \sum_{i=1}^{N} (\text{IoU}_{\text{GT},x} - f(x))^2$$

The minimum validation loss is $l = 0.009631; \sqrt{l} = 0.0981$

We can note it converges very fast.
L1 vs L2 with distortion

L1 seems to be doing better.
Run set 2