

S3: Training curves

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Document description

This document contains figures showing the training curves, as well as figures related to the adaptive loss weighting.

Training curves

Figs. A - D show training and validation losses for the six different configurations described in the main manuscript, for the IXI and Oslo-CoMet datasets (see Table 1, Section 2.5). Furthermore, training runtime of 160 epochs is shown as part of the legends of both figures for reference.

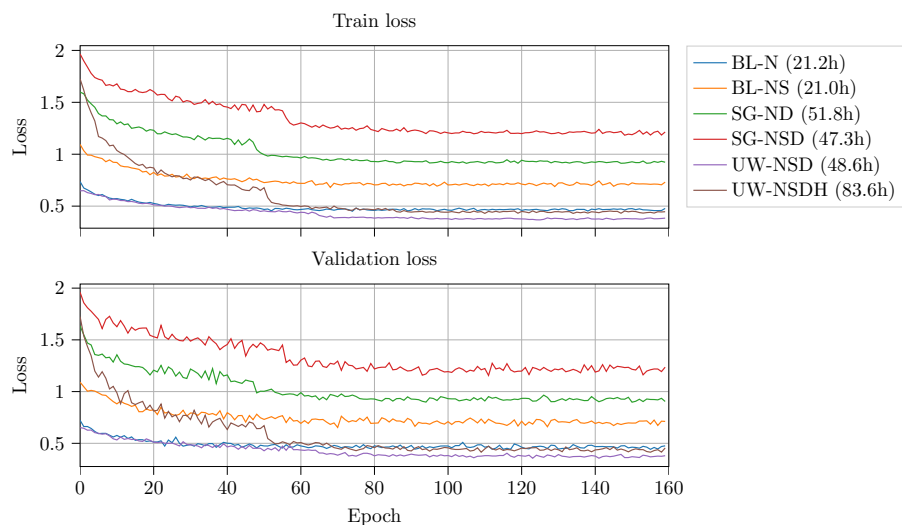


Figure A. Train and validation loss of the models trained on the IXI dataset.

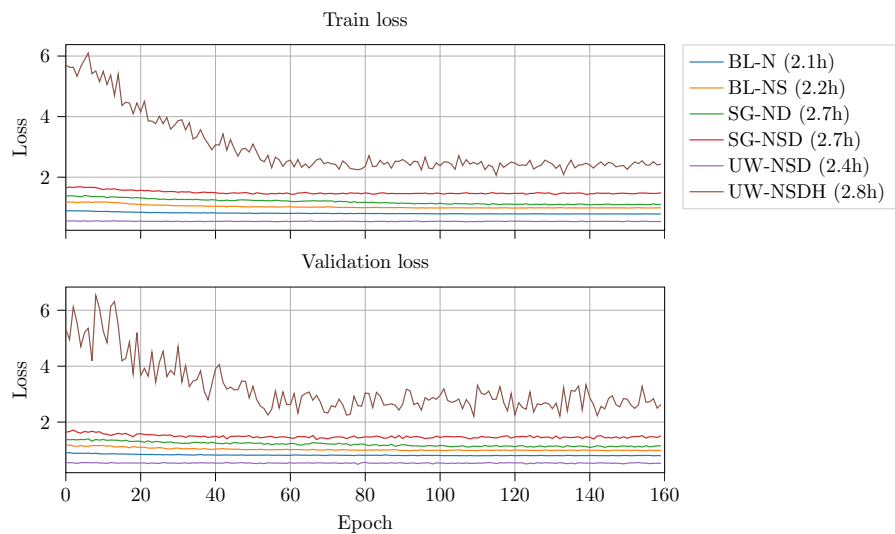


Figure B. Train and validation loss of the models trained on the Oslo-CoMet dataset.

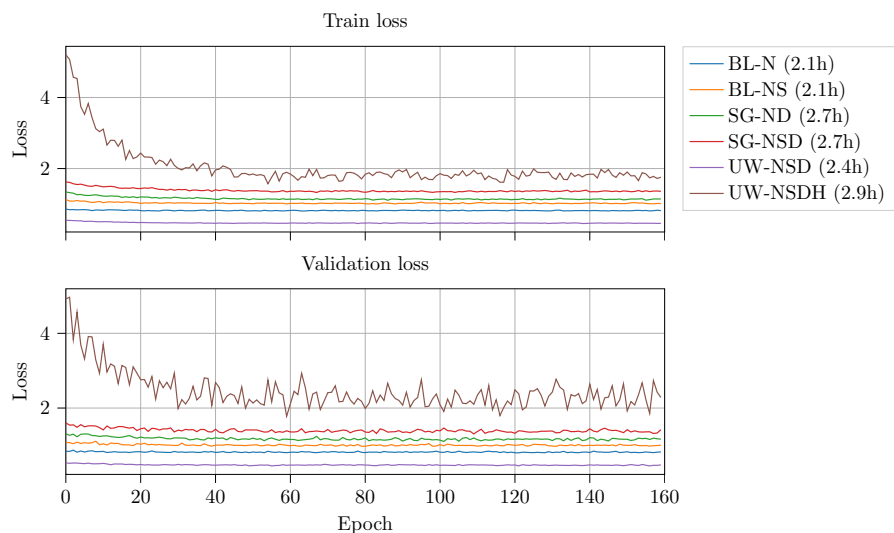


Figure C. Train and validation loss of the models trained on the Oslo-CoMet dataset from finetuning the entire architecture.

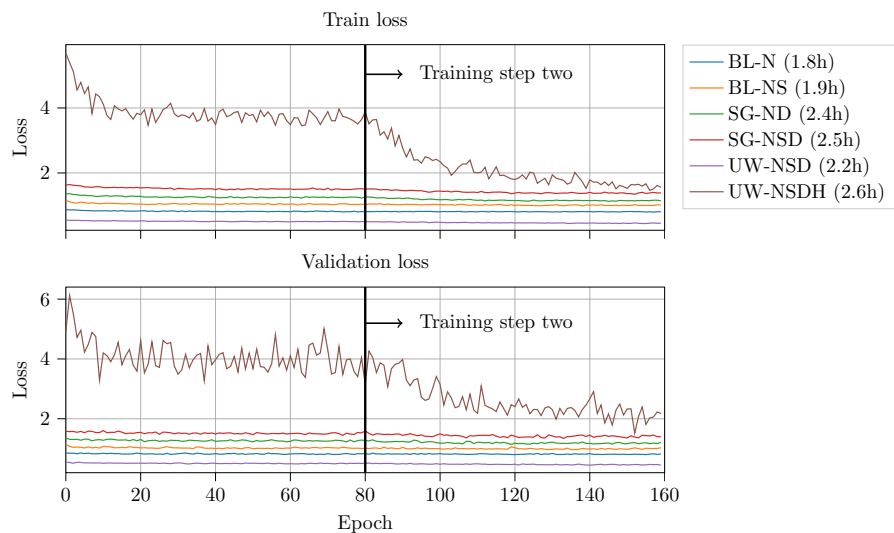


Figure D. Train and validation loss of the models trained on the Oslo-CoMet dataset from finetuning in two steps.

Adaptive loss weighting results

Figs. E - L show the evolution of the dynamic weight in the UW models for the studied cases.

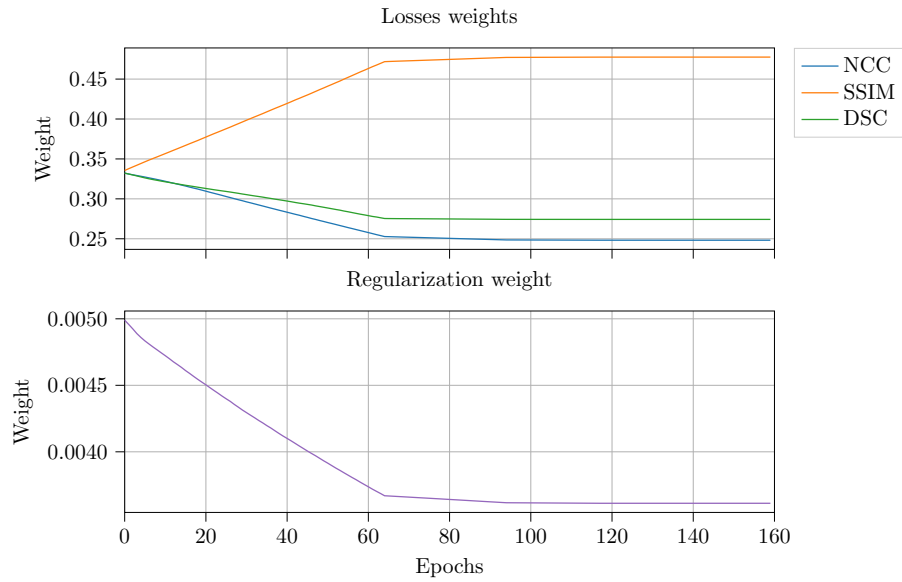


Figure E. Loss weights of the model UW-NSD trained on the IXI dataset.

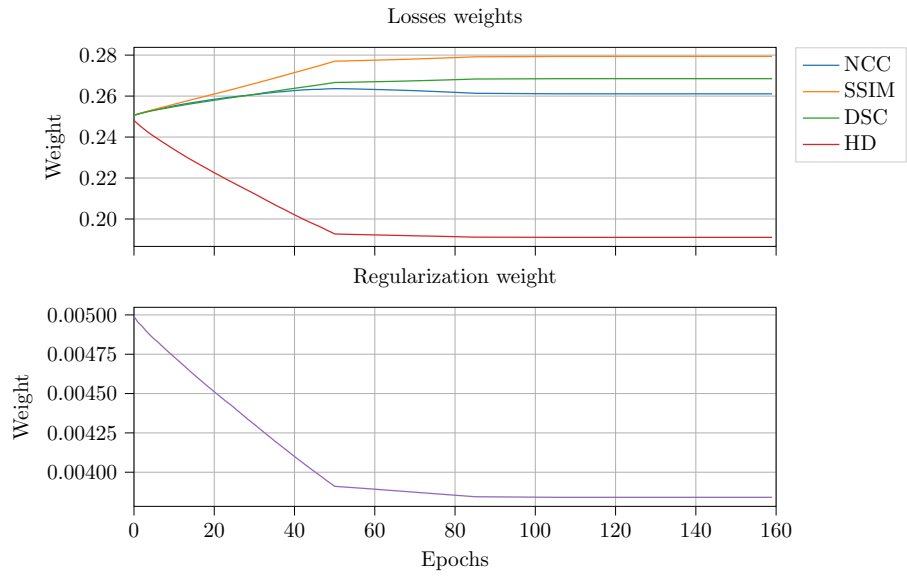


Figure F. Loss weights of the model UW-NSDH trained on the IXI dataset.

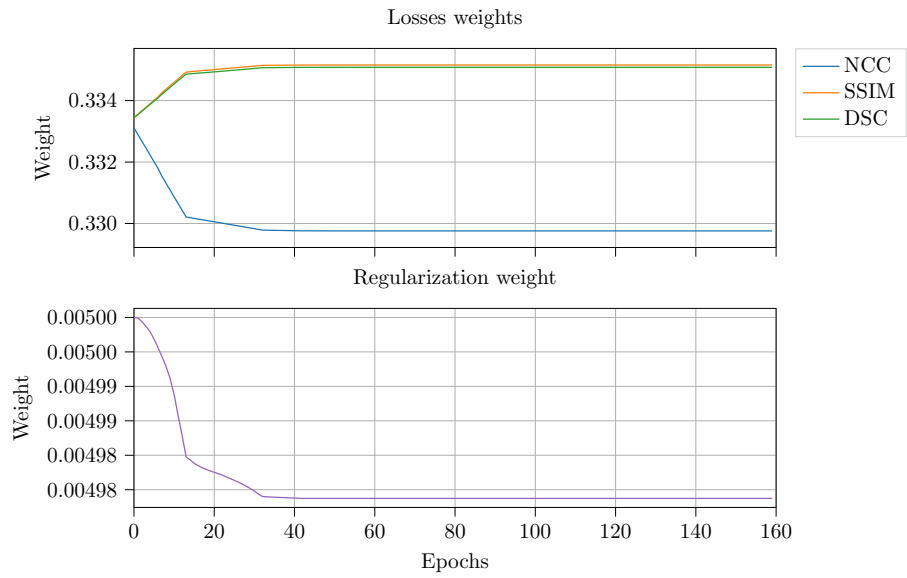


Figure G. Loss weights of the model UW-NSD trained on the Oslo-CoMet dataset.

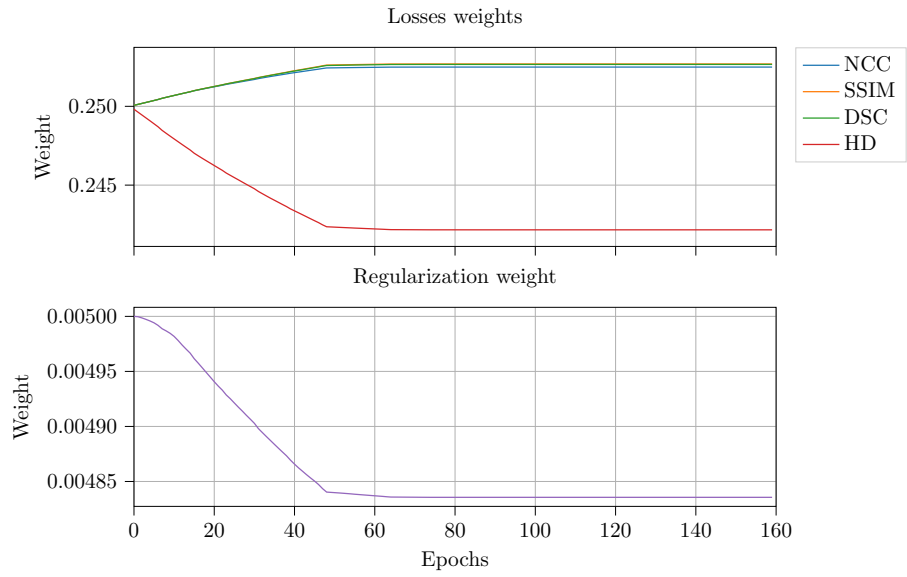


Figure H. Loss weights of the model UW-NSDH trained on the Oslo-CoMet dataset.

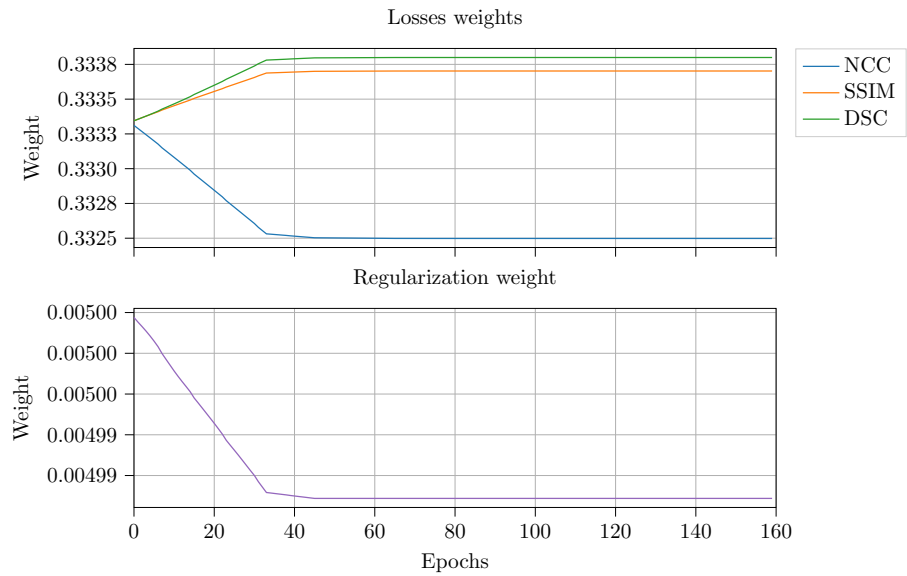


Figure I. Loss weights of the model UW-NSD trained on the Oslo-CoMet dataset from finetuning the entire architecture.

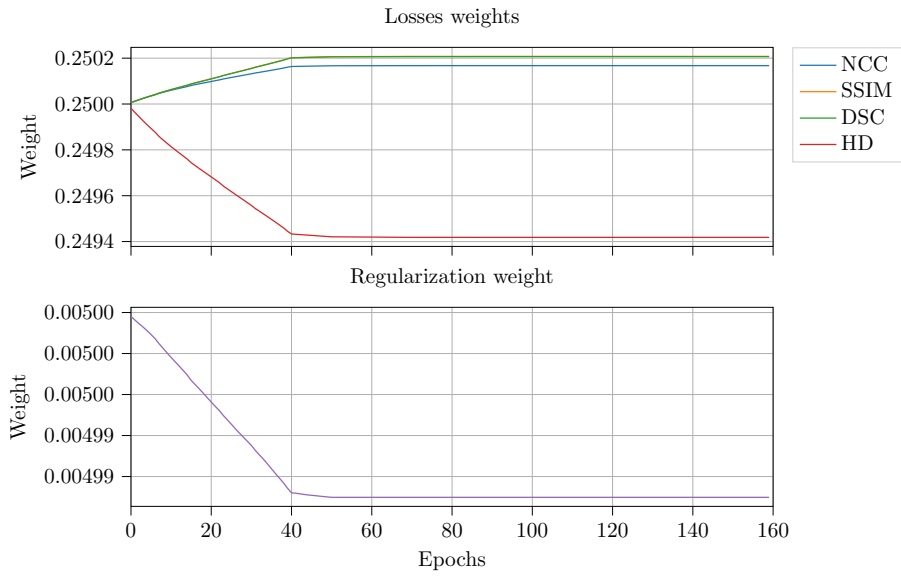


Figure J. Loss weights of the model UW-NSDH trained on the Oslo-CoMet dataset from finetuning the entire architecture.

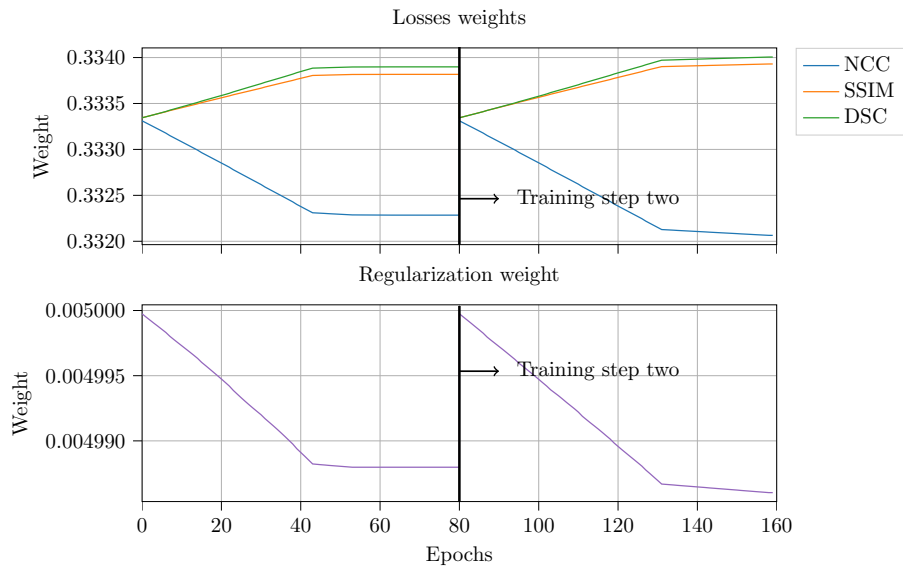


Figure K. Loss weights of the model UW-NSD trained on the Oslo-CoMet dataset from finetuning in two steps.

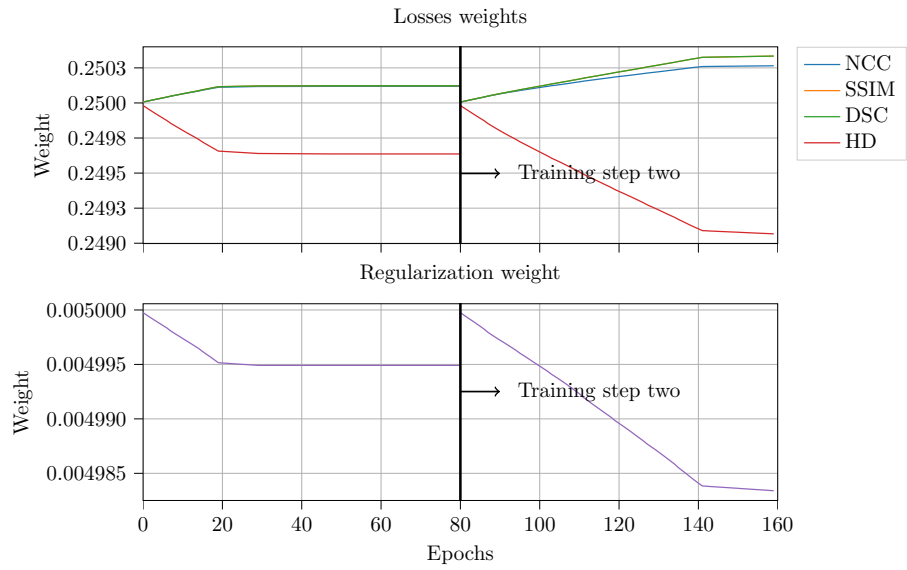


Figure L. Loss weights of the model UW-NSDH trained on the Oslo-CoMet dataset from finetuning in two steps.