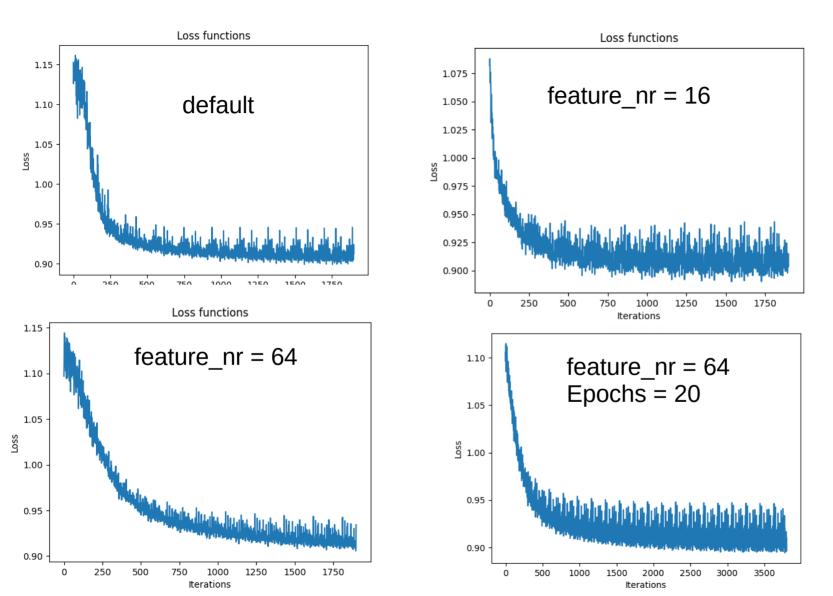
Transformer Model

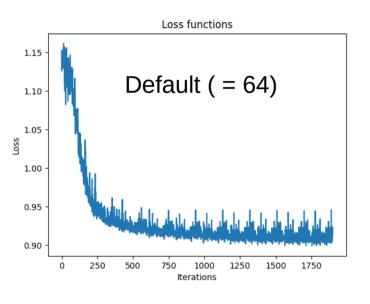
https://github.com/jenegger/transformer_model

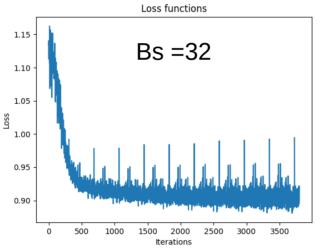
Default Settings:

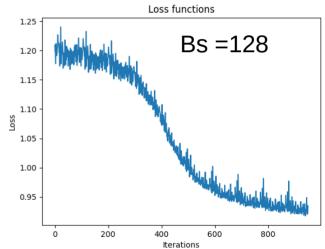
```
Batch size = 64
Epochs = 10
feature nr = 32
loss rate = 2e-4
loss function = nn.BCEWithLogitsLoss()
Optimizer = optim.SGD
                                                = torch.nn.Linear(4,feature nr)
Forward step:
def forward(self, x,in_hitnr):
                                                     With:
    x = self.linear\_embedding(x)
                                                     heads = 6
                                                     num_layers = 6 (I.e sublayers)
    out = self.transformer_encoder(x)
     ...
```



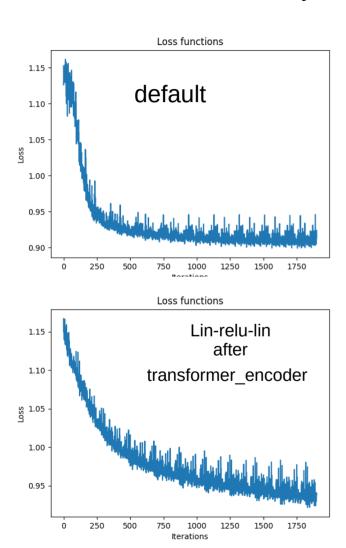
Different batchsizes

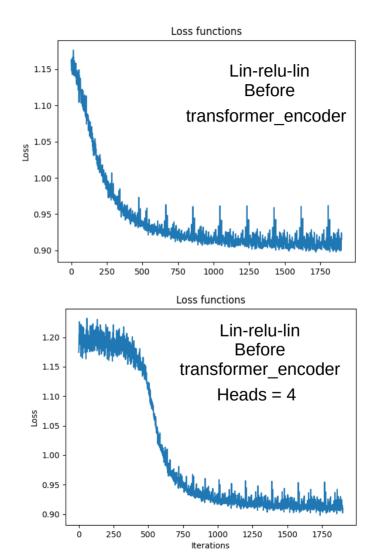






Additional Layer lin → RELU → lin





Different Loss Functions

