

Curriculum Learning for NLP

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Introduction

Curriculum Learning



Epoch 1



Epoch 20



Epoch 50

Natural Language Inference (NLI)

Premise:

A person on a horse jumps over a broken down airplane.

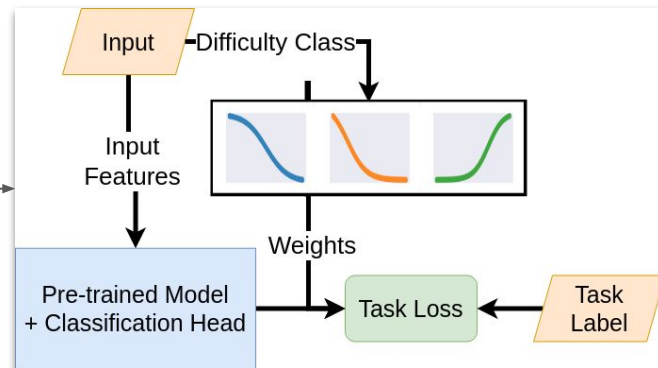
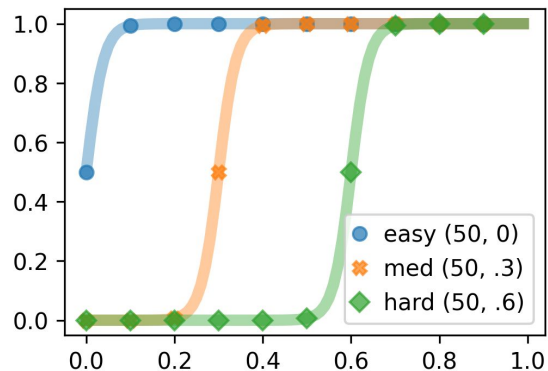
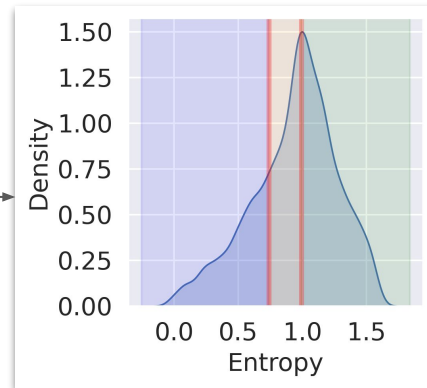
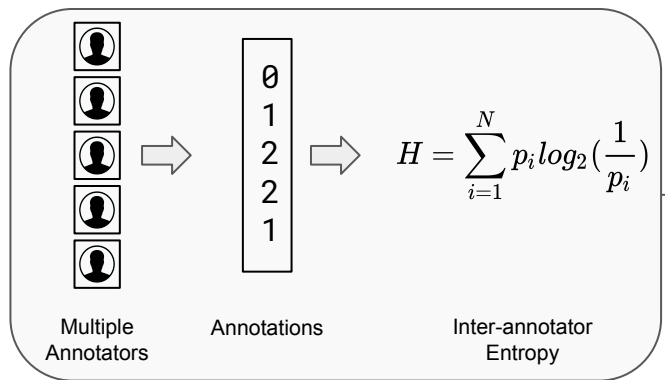
Hypothesis:

A person is outdoors, on a horse. (entailment)

A person is training his horse for a competition. (neutral)

A person is at a diner, ordering an omelette. (contradiction)

Model



Results

Baselines

Difficulty Prediction (DP) $w_i = 1 - \alpha \frac{d_i - \tau}{1 - \tau}$

SuperLoss (SL) $\mathcal{L}_\lambda = (l_i - \tau) \sigma_i + \lambda (\log \sigma_i)^2$

MentorNet

