Attention based models in End-to-End ASR

Exploration of Attention in ESPNET toolkit

Shreekantha Nadig November 7, 2018

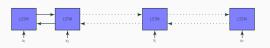
International Institute of Information Technology - Bangalore

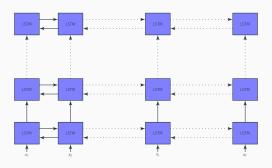
Table of contents

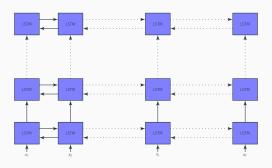
1. Introduction

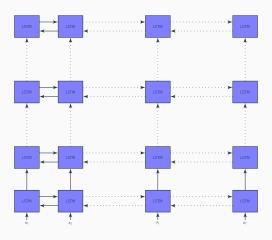
Introduction

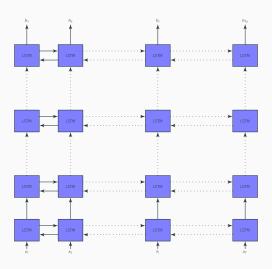
BLSTM

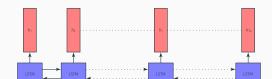




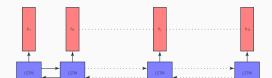


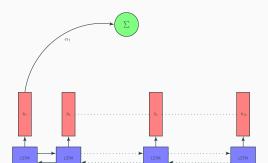


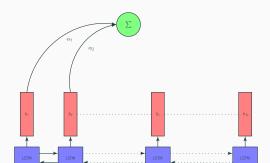


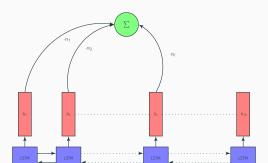


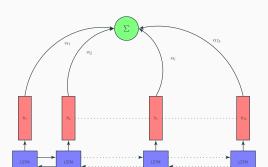


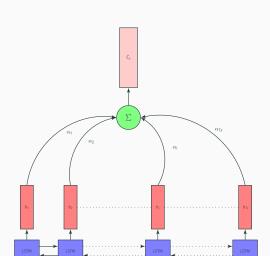


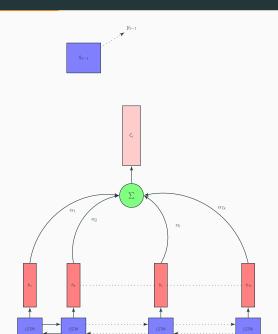


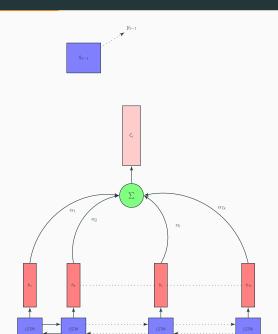


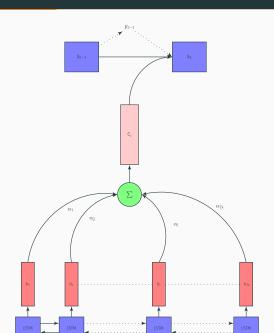


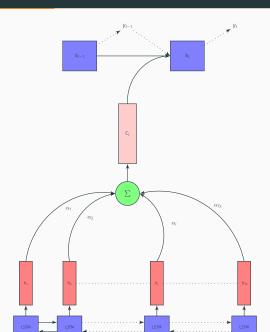




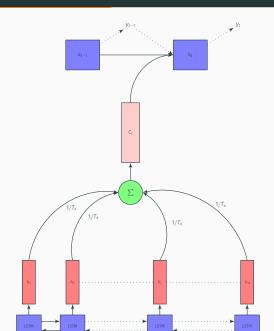




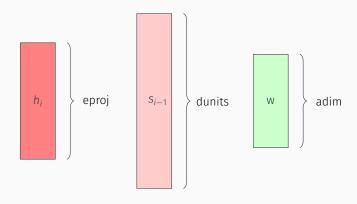




No Attention [Equal Attention?]



Dimensions of representations



Mostly $eproj \neq dunits \neq adim$

Matching the dimensions of representations

