

Artificial Neural Networks and Deep Learning

Homework 2

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1 Introduction

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paper title	15 pt	bold
author names	12 pt	bold
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section titles	12 pt	bold
document text	10 pt	
captions	10 pt	
abstract text	10 pt	
bibliography	10 pt	
footnotes	9 pt	

Table 1: Sizes and styles of fonts used.

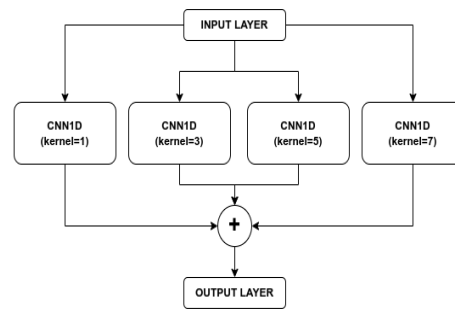


Figure 2: CNN1D Inception Like Net

2 Example

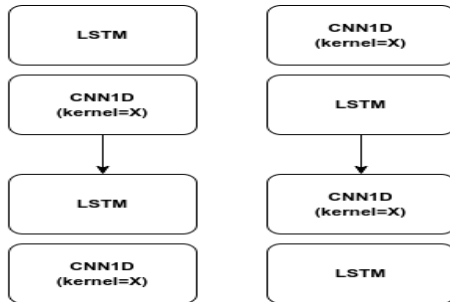


Figure 1: LSTM-CNN and CNN-LSTM model schematics

3 Adapt 2D models to 1D convolutions

3.1 InceptionNet

3.2 Resnet

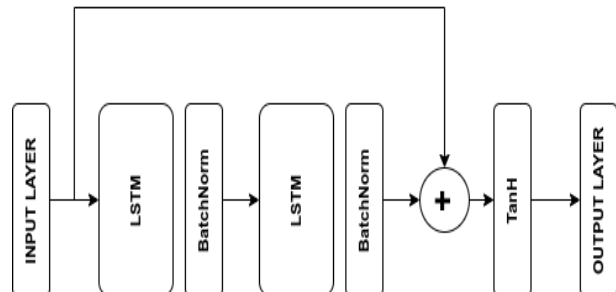


Figure 3: Resnet Like LSTM Net