

Byte-level RNNLM¹





**Investigated the usage of byte-stream inputs
for the task of language modelling**

**Idea: Use a more lower level of representation of input.
i.e. use bytes instead of characters as input**



Improvements shown for speech recognition in low-resource setting

**Results were poor as compared
to baseline RNNLM**



[1] Gillick et al. Multilingual Processing from Bytes. 2015

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Pre-trained embeddings²

FastText : Word embeddings made available for English and Mandarin by Facebook Research

MUSE : Multilingual aligned word embeddings and technique by Facebook Research

