Part 3: BILSTM

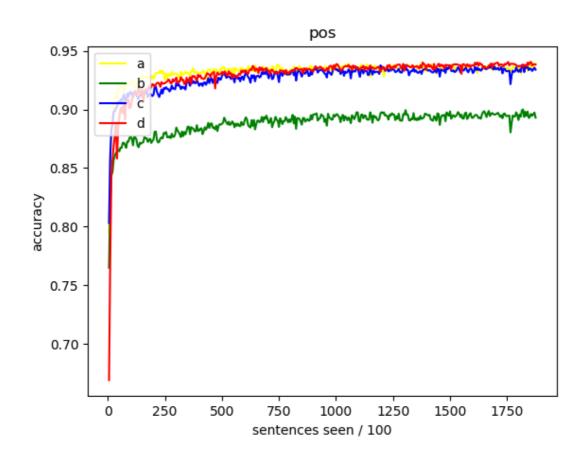
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For POS tagging:

type	epochs	Output	eta	Batch size	optimizer	Initialization	dropout	regularization
		size				of embedding		
		of bilstm						
		and Istm						
а	5	BILSTM: 100 LSTM: no Istm in this model	0.01	BLSTM: batch size of 1 Linear layer after BLSTM: number of words in sentence	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 100	no	L2: 1e^ 5
b	5	BILSTM: 100 LSTM: 50		For character LSTM: number of words in sentence BLSTM: batch size of 1. Linear layer after BLSTM: number of words in sentence	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 20	0.4 in bilstm	L2: 1e^5
С	5	BILSTM: 150 LSTM: no Istm in this model	0.00	BLSTM: batch size of 1 Linear layer after BLSTM: number of words in sentence	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 100	no	no.
d	5	BILSTM: 100 LSTM: 100	0.00	For character LSTM: number of words in sentence	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 100	0.3 at bilstm	L2: 1e^ 5

	Linear layer after concatenation: number of words in	3.)without applying lowercasing to words.	
	sentence <u>BLSTM:</u> _batch size of 1.		
	Linear layer after BLSTM: number of words in sentence		

Graph



For NER tagging:

type	epochs	Output	eta	Batch size	optimizer	Initialization	dropout	regularization
type	cpocns	size of bilstm and lstm	ctu	buttii 3i2c	Optimizer	of embedding	игорош	regularization
a	5	BILSTM: 42 LSTM: no Itm in this model	0.001	BLSTM: batch size of 1 Linear layer after BLSTM: number of words in sentence	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 30	no	L2: no
b	5	BILSTM: 100 LSTM: 100		For character LSTM: number of words in sentence BLSTM: batch size of 1. Linear layer after BLSTM: number of words in sentence	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 10	0.4 in bilstm and 0.1 in listm	L2: 1e-4.
С	5	BILSTM: 60 LSTM: no Istm in this model	0.00	BLSTM: batch size of 1 Linear layer after BLSTM: number of words in sentence	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 60	no.	1e-3.
d	5	BILSTM: 100 LSTM: no Istm in this model 60	0.00	For character LSTM: number of words in sentence Linear layer after concatenation:	Adam	1.) Uniform distribution between [-1,1] 2.) Length of embedding vector: 60	Dropout 0.3 in bilstm.	L2: 1e^ 5

	number of words in sentence		
	BLSTM: _batch size of 1.		
	Linear layer after BLSTM: number of words in sentence		

Graph

