

# Crow res

After setting alpha and beta parameters for language model to 0 (effectively negating the language model)

```
--lm_weight .1 \  
--lm_alpha 0\  
--drop_source_layers 1 \      --source_model_checkpoint_dir  
"${SOURCE_MODEL}/deepspeech-0.5.1-checkpoint/" \  
--n_hidden 2048 \  
--epoch -10 \  
--earlystop_nsteps 5 \  
--train_batch_size 30\  
--dev_batch_size 48 \  
--test_batch_size 48 \  
--learning_rate 0.001 \  
--dropout_rate 0.2 \
```

Test on /home/kenneth/Projects/JSALT\_NPLM\_data/Speech/Deep\_Speech/cro/clips/test.csv - WER: 0.990699, CER: 0.871154, loss: 27.086073

Examples:

```
-----WER:  
2.000000, CER: 0.800000, loss: 10.316745  
- src: "grgacgicr " - res: "r r"  
-----WER:  
1.000000, CER: 0.666667, loss: 1.255609  
- src: "grg" - res: "r"  
-----WER:  
1.000000, CER: 0.400000, loss: 1.491453  
- src: "bggrp" - res: "bgg"  
-----WER:  
1.000000, CER: 1.000000, loss: 1.747670  
- src: "cg" - res: ""  
-----WER:  
1.000000, CER: 1.000000, loss: 2.060837
```

```

- src: "gahg" - res: ""
-----WER:
1.000000, CER: 1.000000, loss: 2.078961
- src: "cg" - res: ""
-----WER:
1.000000, CER: 0.500000, loss: 2.292280
- src: "gg" - res: "bgg"
-----WER:
1.000000, CER: 1.000000, loss: 2.531346
- src: "cg" - res: "r"
-----WER:
1.000000, CER: 1.000000, loss: 2.713193
- src: "ccg" - res: ""
-----WER:
1.000000, CER: 1.000000, loss: 2.719913
- src: "gg" - res: ""
-----

```

```

--lm_weight .1 \
--lm_alpha 0\
--drop_source_layers 1 \      --source_model_checkpoint_dir
"${SOURCE_MODEL}/deepspeech-0.5.1-checkpoint/" \
--n_hidden 2048 \
--epoch -10 \
--earlystop_nsteps 5 \
--train_batch_size 30\
--dev_batch_size 48 \
--test_batch_size 48 \
--learning_rate 0.0001 \
--dropout_rate 0.2 \

```

Test on /home/kenneth/Projects/JSALT\_NPLM\_data/Speech/Deep\_Speech/cro/clips/test.csv - WER: 0.989741, CER: 0.857567, loss: 25.778952

```

-----WER:
2.000000, CER: 0.750000, loss: 7.365357
- src: "grgágr " - res: "r r"
-----WER:
1.000000, CER: 0.666667, loss: 0.978152

```

```

- src: "grg" - res: "r "
-----WER:
1.000000, CER: 0.666667, loss: 1.270408
- src: "grg" - res: "r "
-----WER:
1.000000, CER: 1.000000, loss: 1.365655
- src: "gsa " - res: "b"
-----WER:
1.000000, CER: 0.750000, loss: 1.641714
- src: "gahg" - res: "bg"
-----WER:
1.000000, CER: 0.400000, loss: 1.725150
- src: "bgga " - res: "bgg"
-----WER:
1.000000, CER: 1.000000, loss: 1.827598
- src: "ggl " - res: "b"
-----WER:
1.000000, CER: 1.000000, loss: 1.866848
- src: "gacw " - res: "b"
-----WER:
1.000000, CER: 0.714286, loss: 1.869485
- src: "gáicdi " - res: "di"
-----WER:
1.000000, CER: 0.400000, loss: 1.982887
- src: "bggrp" - res: "bgg"
-----

```

Revision #1

Created Mon, Jul 22, 2019 4:30 PM by [kenneth](#)

Updated Mon, Jul 22, 2019 4:36 PM by [kenneth](#)