

## KALDI INSTALLATION AND TEST RUN

Following PDF showcases the results of installing Kaldi on a Linux based machine (UBUNTU 20.04) and running the example script in **yesno/s5** .(/run.sh )

```
agrover112@LAPTOP-BBJ8K79I: /mnt/c/Users/agrov/kaldi/egs/yesno/s5$ ls
conf  exp  local  path.sh  run.sh  utils  waves_yesno.tar.gz
data  input  mfcc  ripgrep_12.1.1_amd64.deb  steps  waves_yesno
agrover112@LAPTOP-BBJ8K79I: /mnt/c/Users/agrov/kaldi/egs/yesno/s5$ |

fstisstochastic data/lang_test_tg/tmp/LG.fst
0.534295 0.533859
[info]: LG not stochastic.
fstcomposecontext --context-size=1 --central-position=0 --read-disambig-syms=data/lang_test_tg/phones/disambig.int --write-disambig-syms=data/lang_test_tg/tmp/disambig_ilabels_1_0.int data/lang_test_tg/tmp/ilabels_1_0.2538 data/lang_test_tg/tmp/LG.fst
fstisstochastic data/lang_test_tg/tmp/CLG_1_0.fst
0.534295 0.533859
[info]: CLG not stochastic.
make-h-transducer --disambig-syms-out=exp/mono0a/graph_tgpr/disambig_tid.int --transition-scale=1.0 data/lang_test_tg/tmp/ilabels_1_0 exp/mono0a/tree exp/mono0a/final.mdl
fstrmepslocal
fstminimizeencoded
fstdeterminizestar --use-log=true
fstrmsymbols exp/mono0a/graph_tgpr/disambig_tid.int
fsttablecompose exp/mono0a/graph_tgpr/Ha.fst data/lang_test_tg/tmp/CLG_1_0.fst
fstisstochastic exp/mono0a/graph_tgpr/HCLGa.fst
0.5342 -0.000422432
HCLGa is not stochastic
add-self-loops --self-loop-scale=0.1 --reorder=true exp/mono0a/final.mdl exp/mono0a/graph_tgpr/HCLGa.fst
steps/decode.sh --nj 1 --cmd utils/run.pl exp/mono0a/graph_tgpr data/test_yesno exp/mono0a/decode_test_yesno
decode.sh: feature type is delta
steps/diagnostic/analyze_lats.sh --cmd utils/run.pl exp/mono0a/graph_tgpr exp/mono0a/decode_test_yesno
steps/diagnostic/analyze_lats.sh: see stats in exp/mono0a/decode_test_yesno/log/analyze_alignments.log
Overall, lattice depth (10,50,90-percentile)=(1,1,2) and mean=1.2
steps/diagnostic/analyze_lats.sh: see stats in exp/mono0a/decode_test_yesno/log/analyze_lattice_depth_stats.log
local/score.sh --cmd utils/run.pl data/test_yesno exp/mono0a/graph_tgpr exp/mono0a/decode_test_yesno
local/score.sh: scoring with word insertion penalty=0.0,0.5,1.0
%WER 0.00 [ 0 / 232, 0 ins, 0 del, 0 sub ] exp/mono0a/decode_test_yesno/wer_10_0.0
agrover112@LAPTOP-BBJ8K79I: /mnt/c/Users/agrov/kaldi/egs/yesno/s5$
```