Recep Oğuz Araz ELEC390 Prof. Engin Erzin 23.12.2020

New model: DS2 with improvements.

New model achieves good performance on LibriSpeech dataset.

Relaxed model trained on Ti20 and librispeech, performs good.

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then you can ask him questions on the catechism dedalus

than y could askon qustend of the caticas indetleles

he is called as you know the apostle of the indies

he as caled as you kno the a possl of the indes

brother mac ardle brother keogh

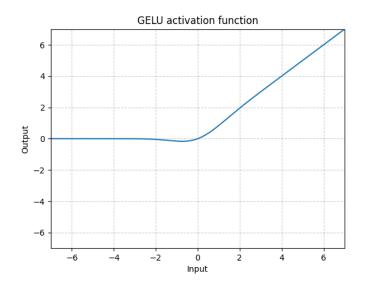
brut in acardle buthir celf

you will find me continually speaking of four men titian holbein turner and tintoret in almost the same terms

youil fon the conteay speeking o for men titio who byne tarner n ti cuet ind a most the sane turms
```

## Comparison with personal DS2 implementation:

- 1) Number of parameters: 80k to 5M
- 2) Does not explain the loss, indep of model
- 3) LayerNorm, ResNet, GRU, GELU



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dB, amplitude, power spectrograms all work fine on Ti20

NaN on Mozilla Commonvoice.

## Possible paths:

- 1) Hyperparameter tuning for Ti20 or Librispeech
- 2) Making AAI Model work on CommonVoice for Turkish
- 3) Use better Turkish Dataset
- 4) Reverse engineer AAI to make your model work