

# TEXT TO SPEECH

## AUDIO

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# INTRODUCTION TO TTS

Hello, how are you?

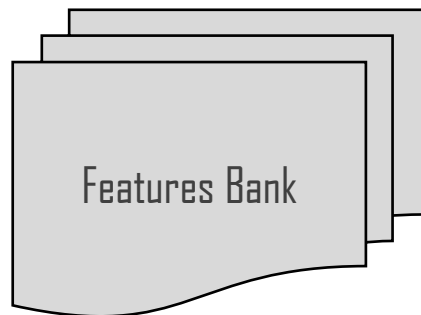


# INTRODUCTION TO TTS (I)

Hello, how are you?

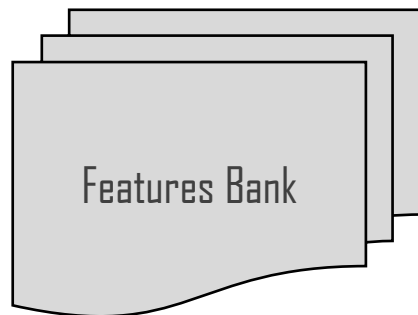


Feature extraction

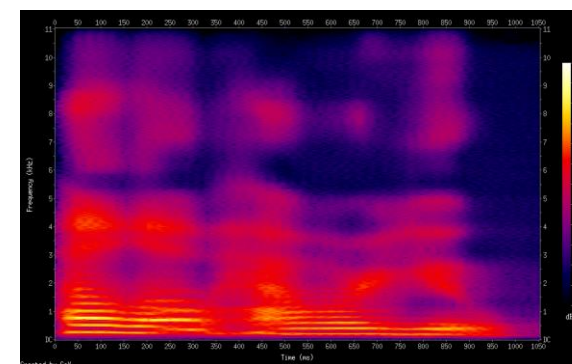


# INTRODUCTION TO TTS (2)

Hello, how are you?



Generator model

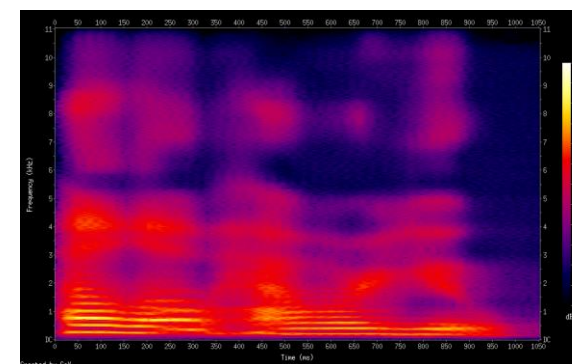
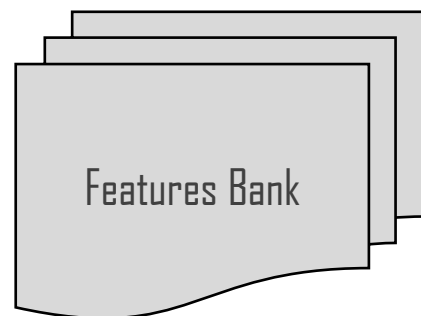


# INTRODUCTION TO TTS (3)

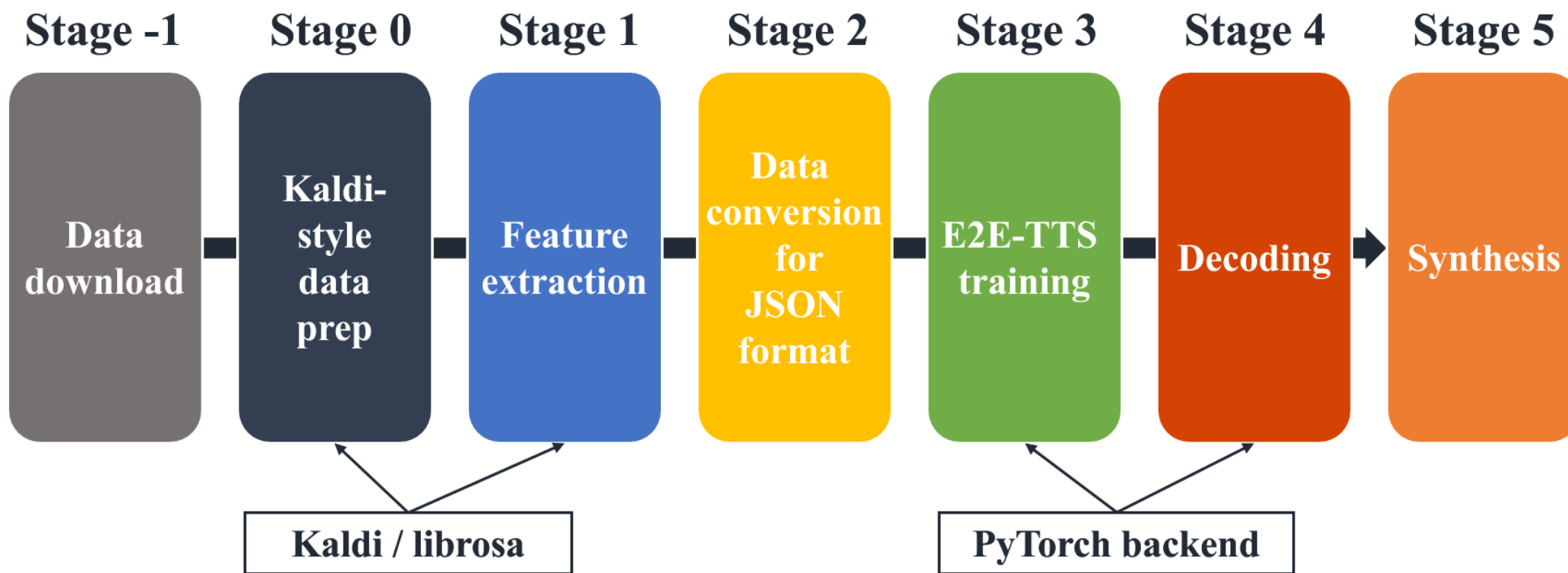
Hello, how are you?



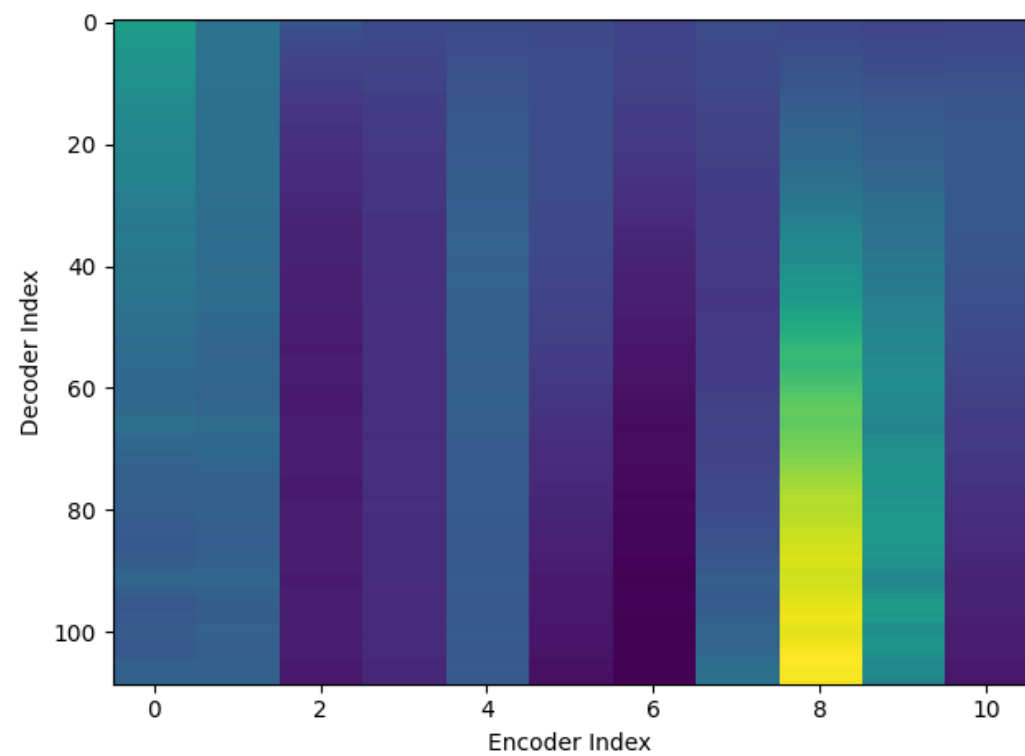
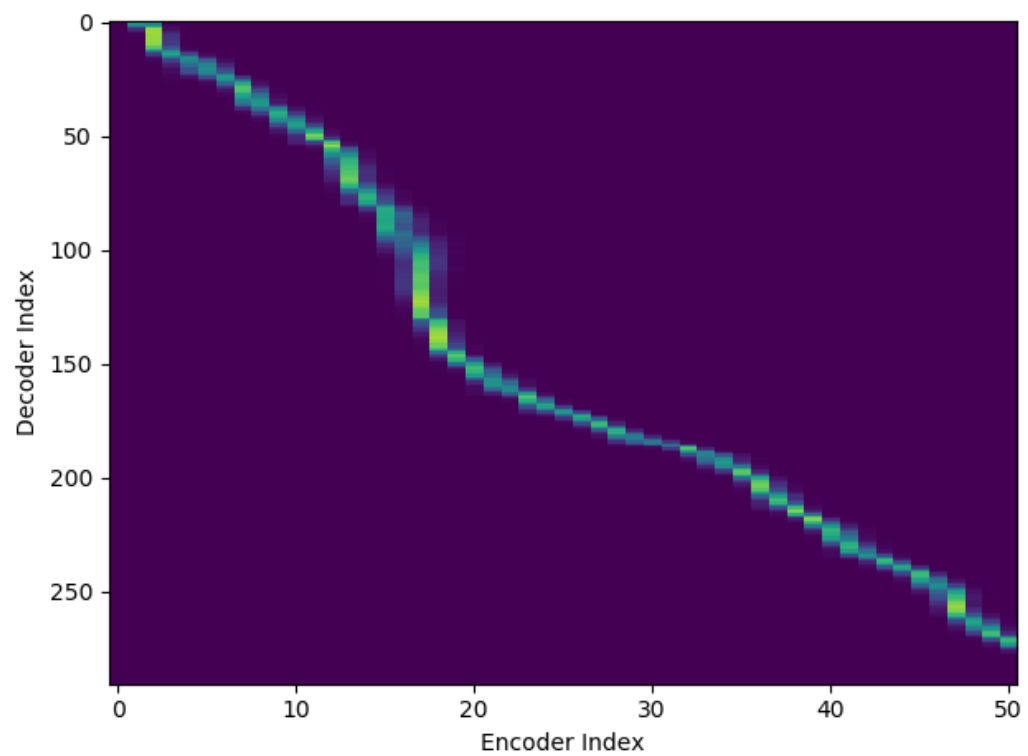
↑  
Vocoder



# ESPNET

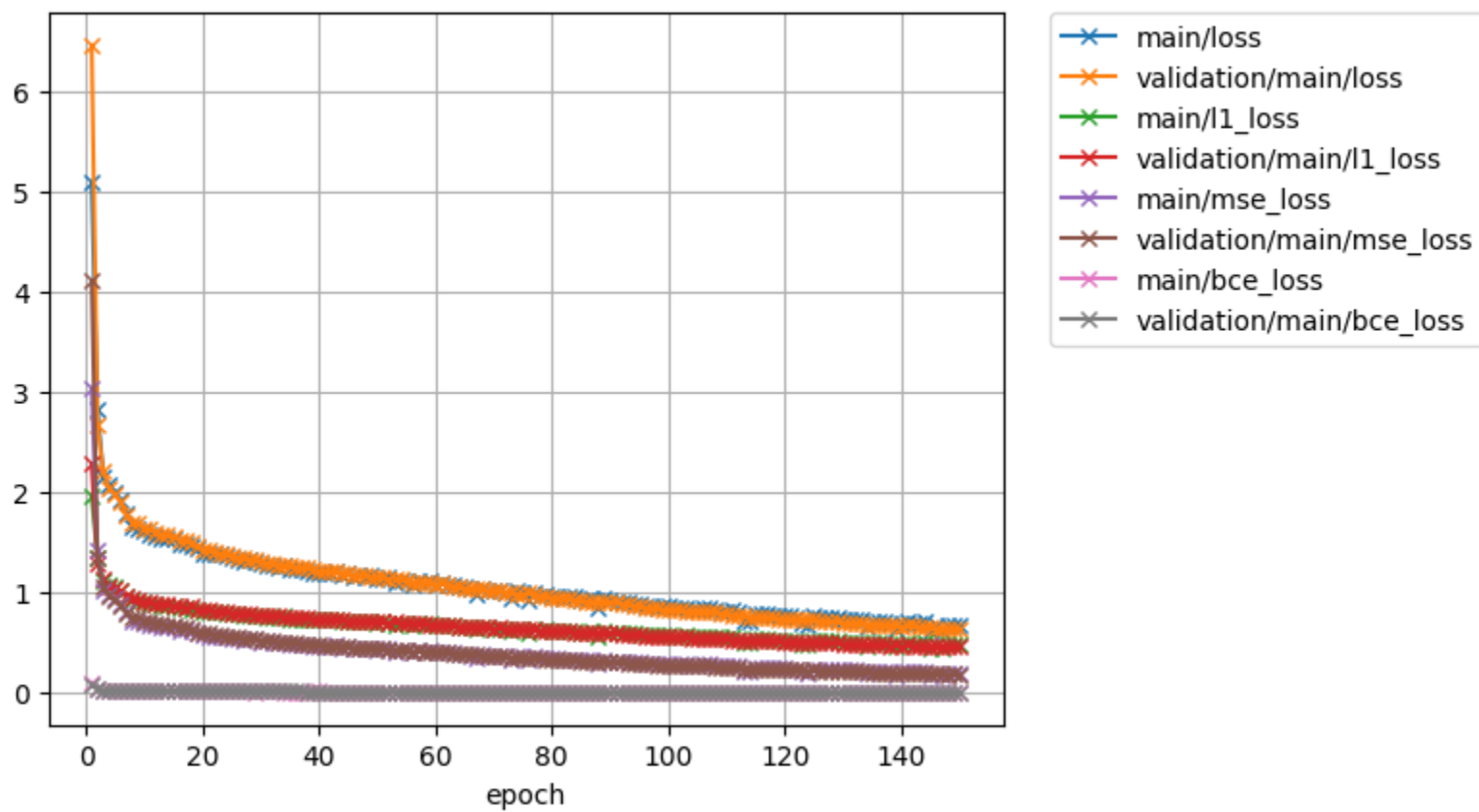


# RESULTS





# RESULTS



# RESULTS (Trained model)

tacotron2.v4 - *Based on Attention Network*



JANUARY SEVENTH NINETEEN SIXTY SEVEN



Yes



No



M A R G A R E T M O R R I S O N

# RESULTS (Pre-trained model)

Hello, how are you?



`ljspeech.fastspeech.v1`



`ljspeech.tacotron2.v3`



`ljspeech.tacotron2.v3 + Vocoder`

# CONCLUSIONS

```
pip install --upgrade google-cloud-texttospeech
```

```
pip install --upgrade google-cloud-speech
```

# RESOURCES



[https://github.com/JorgeMunnozAguado/Audio\\_Project](https://github.com/JorgeMunnozAguado/Audio_Project)

<https://github.com/espnet/interspeech2019-tutorial>

*(TTS)* <https://cloud.google.com/text-to-speech/docs/libraries#client-libraries-install-python>

*(ASR)* <https://cloud.google.com/speech-to-text/docs/libraries?hl=es-419>