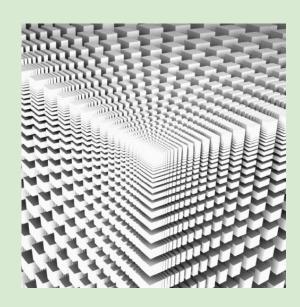
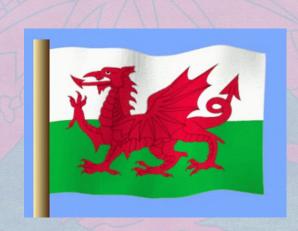
Week 5 Audio week With Perception Party





What we got up to*: fine tune faint ti'n whisper tiny to transcribe Welsh



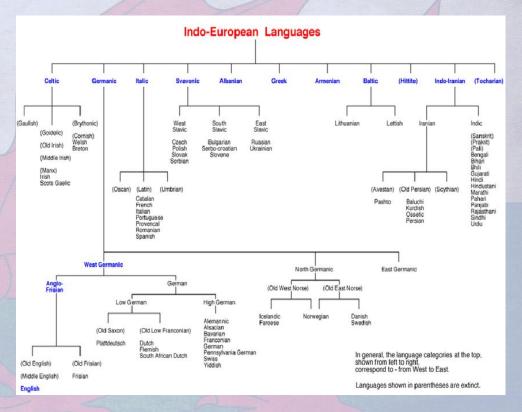




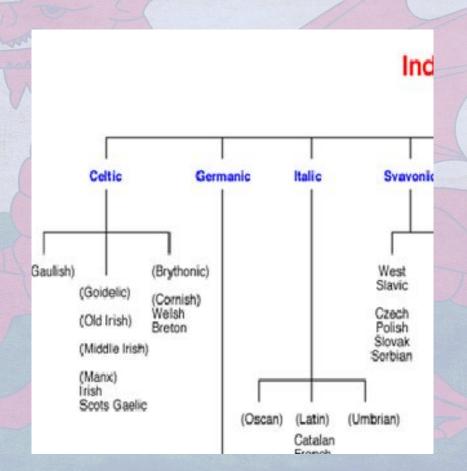
*after CNN, Transformer classification and Hello my name is Bes

Why Welsh?





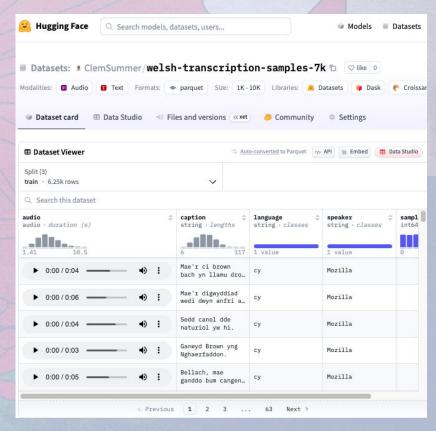
Why Welsh?



Welsh Dataset for tuning "Tiny" Whisper

From "mozilla-foundation/common_voice_13_0" on HF

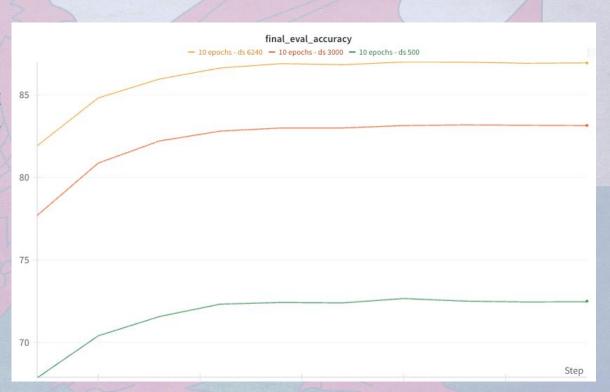
- 7K records Welsh voice + text
- Created our own Welsh dataset on HF
- Split to 80% training, 10% test, 10% eval



Welsh training Dataset size

Original Tiny Whisper yields 46%

 Larger Training Dataset improves Eval Accuracy



Tuning to Welsh ...

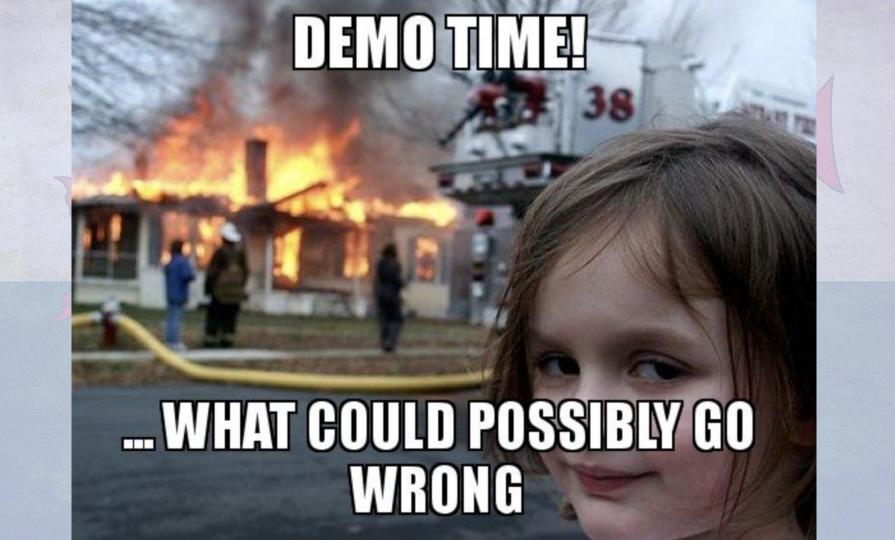
Evaluation against Welsh Dataset

Original eval loss: 3.9617, eval acc: 46.6835

Tuned eval loss: 3.3055, eval acc: 87.0916

Evaluation against English Data set

Original en_eval_loss: 8.9438, en eval acc 30.2159



Basically, we made a Gerald



Rasched - My Updates

