

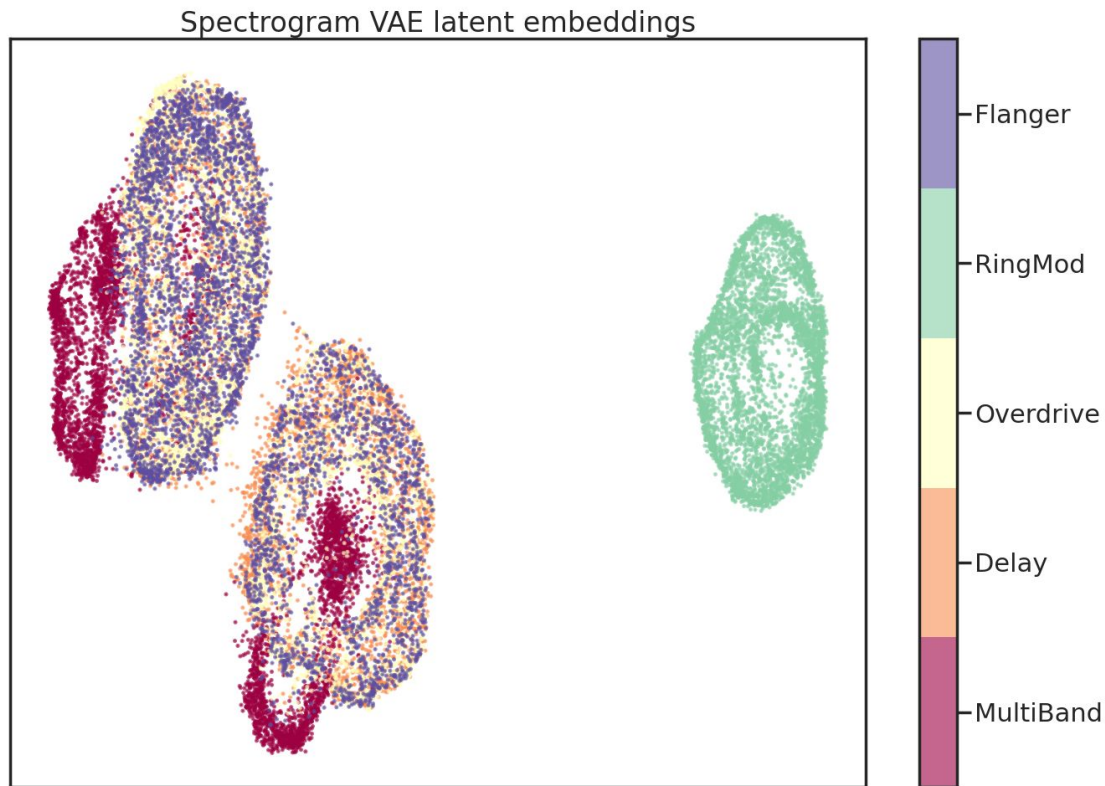
Week 11 Meeting

2357351G - MSci Half Project

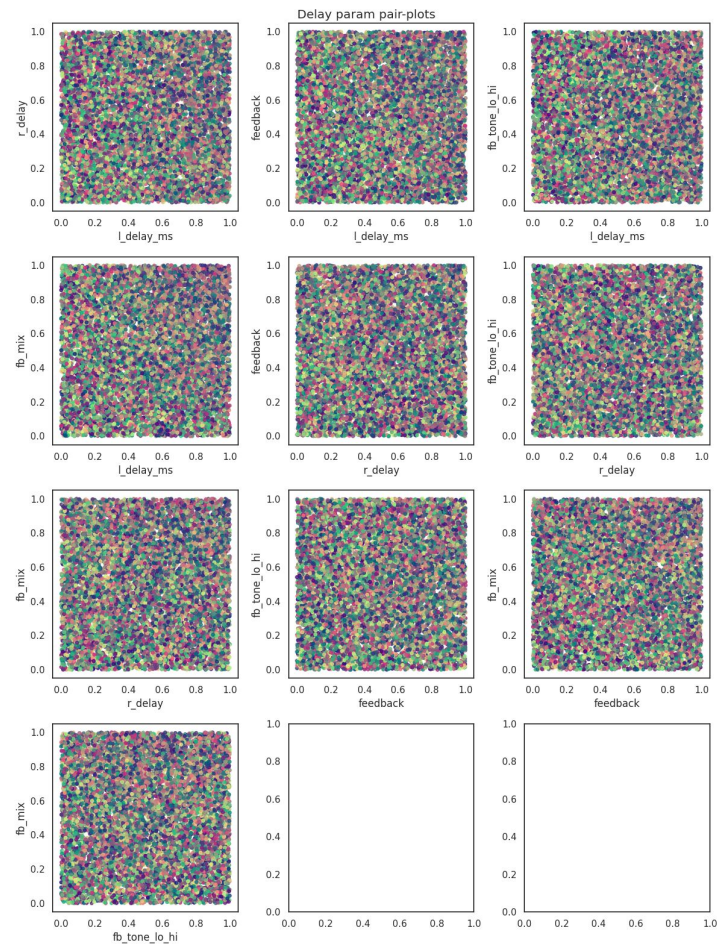
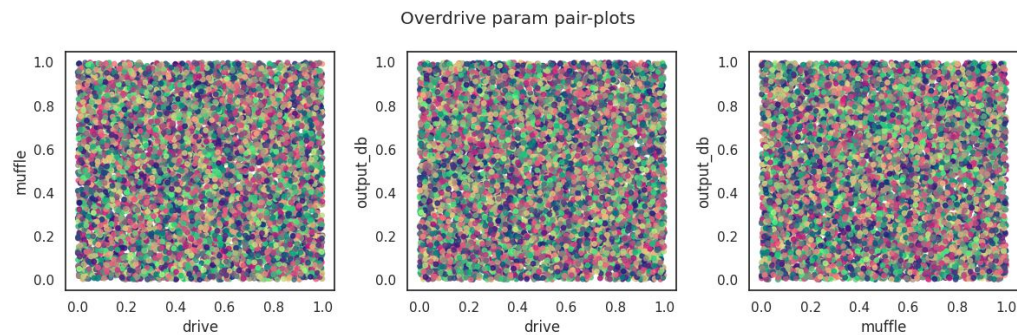
What I've done this week

- Changing Spectrograms for Mel-Spectrograms.
- Tried changing β -VAE for VQ-VAE.
 - Better reconstructions, but higher dimensional latent space with less obvious structure.
- Updated end-to-end model using best Spectrogram-VAE so far (128D embeddings).
- Performed end-to-end training with a few different DAFX.
- Continued working on latent controller interface.

VQ-VAE latent space (1568D latent space)



VQ-VAE latent space (1568D latent space)



Latent Space Controller

-DEMO-

Questions

- Do you think it is worth starting the user evaluation with what I have, with the chance that the model *might* improve in the next couple of weeks?

Plan for next week

- Finish interface and test with expert user.
- Continue to try to improve model performance.
- Create scripts for other testing/MUSHRA.
- Continue writing report.

Where I am in schedule

- Implementation is mostly done, still looking to improve model performance however.
- Hoping to start evaluation as soon as possible.