Model:.1

Data: bare mfccs, not normalised,

Architecture: 128, 128, 128, 128; l2 regularizers(0.002, 0.03, 0.03, 0.002); DropOut(0.02).

Results: 61% validation, 77% training

Conclusion/Recommendations: Overfitting, check problematic samples.

Model : .2

Data: Arrays with k-fold validation

Architecture: Similar architecture to .1

Results: 78% validation, 85-90% training

Model : .3

Data: removed soprano soubrette and soprano spinto

Architecture: 128, 256, 256, 128; l2 regularizers(0.0

model: .4

data: male only, standardised, shuffled

architecture: 128, 80, 80; dropout: 0.4, regularizers l2; 0.09

results = 70% validation(k-fold), 83-85% highest training

recommendation: more data.