

Legend / Symbol mapping

z: input (mean-pooled MFCC)

MFCC)

 $\mathbf{h}^{(\ell)}$: hidden vector at layer ℓ ; $\sigma(\cdot)$ is elementwise nonlinearity (ReLU)

o: final linear outputs; $\mathbf{p} = \operatorname{softmax}(\mathbf{o})$ are class probabilities

Dropout: applied between hidden layers; ℓ_2 weight decay appears in loss