

ABSTRACT

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NEURAL NETWORKS, CONVOLUTIONAL NEURAL NETWORKS, RECURRENT NEURAL NETWORKS, EMOTION CLASSIFICATION, AUDIO CLASSIFICATION

In this part of the work common practices of working with audio data are studied, feature extraction methods most suitable for deep learning are overviewed alongside with recent advancements in deep learning for the audio classification task. This part is strongly dependent on the previous part where basic principles of neural networks functioning, their construction blocks, methods, which help to avoid overfitting and stabilize training process, are described. Also, this part contains results of experiments on the dataset described in previous part. The model obtained through experiments could be used either separately or in ensemble with the model created on video data to increase total accuracy.