1 Implementation Details

- Create a copy of the 'IEMOCAP_full_release' dataset in Google Drive.
- In the GitHub repository containing the code scripts, specify this path of IEMOCAP corpus in 'path.py'.
- Run the Colab notebook attached in the GitHub repository, which mainly includes running the 'handleIEMOCAP.py' to rename the audio files and 'seeds.py' to generate random seeds.
- Run directly: ./run(to make the script executable: chmod +x run) or bash run.

2 Dataset Description

- **Name:** IEMOCAP(Interactive Emotional dyadic MOtion CAPture Database)
- **Details:** It contains audio, transcriptions, video and motion-capture recordings of dyadic mixed-gender pairs of actors. It consists of 5 sessions or 10 actors in total.
- **Emotions:** It catogorizes the actors' interactions into 10 emotions(angry, happy, sad, neutral, frustrated, excited, fearful, surprised, disgusted, other)
- **Format:** The sessions contain 2 formats: dialog containing data from entire conversation and sentence format where the data per dialog have been further segmented into utterances.
- **Usecase:** In the given paper, audio files are analyzed for recognizing 4 emotions(happy, anger, sad, neutral).

3 Results

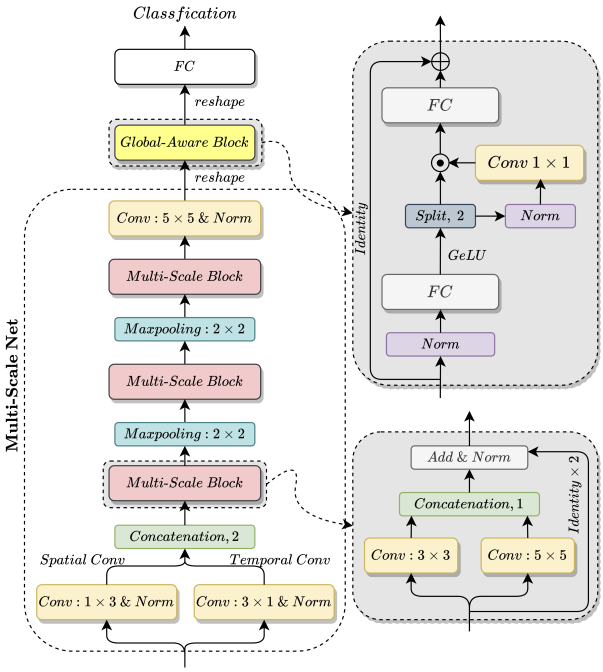

Figure 1: GLAM Model Description

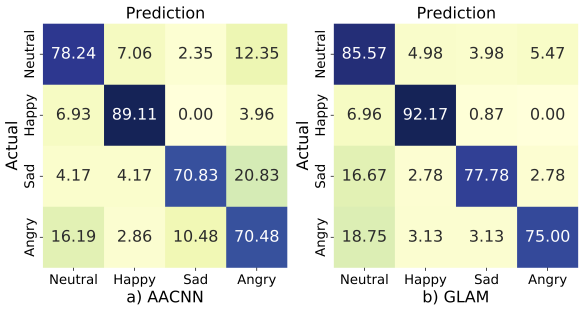

Figure 2: Confusion Matrix: (a) AACNN (b) GLAM Model

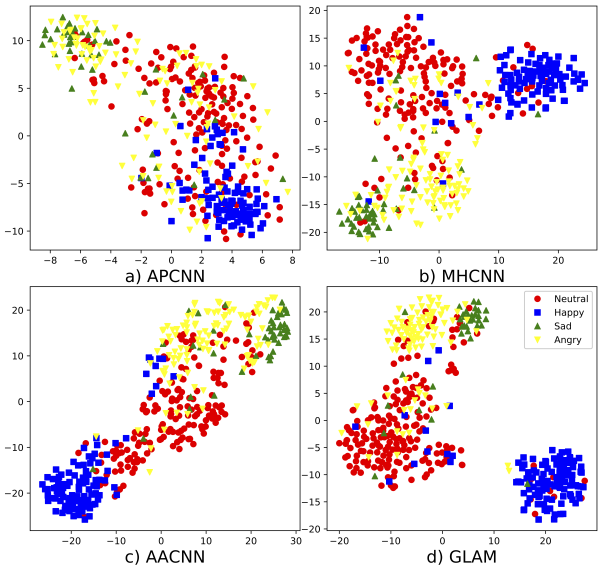

Figure 3: t-SNE Visualization: (a) APCNN (b) MHCNN (c) AACNN (d) GLAM