Weekly Report (21 Sep – 25 Sep)

A Comparative Study of CNN, RNN, and Transfer Learning Models for Facial Emotion Recognition in Gaming

Ayush Gole (x23224100)

MSc in A.I. (MSCAIJAN24I)

Tasks assigned:

1. As we are using facial recognition research on Evaluation matrix.
2. Send research document like practicum 1, ethical consideration form.
3. Write and send research Abstract report.
4. Write EDA report and preprocessing.

Task status and comments:

1. Completed and discussed on 25th meeting. For emotion detection high level presented matrix are suitable
2. Completed
3. Completed
4. Work in progress due to dataset creation, discussed in meeting.

New task(25th sep) for next week:

1. Final evaluation matrix check more in depth with respect to annotation and face mapping as accuracy and classification is not just suitable
2. Find method or algorithm for face mapping like face points polygon  
   apply on data set points randomly to check annotation and accuracy.
3. Start with at least 5-10 image custom dataset for annotation and basic preprocessing parallelly start EDA report writing
4. Send public dataset link:  
   <https://www.kaggle.com/datasets/msambare/fer2013/data>  
   <https://www.kaggle.com/datasets/milan400/ckplus-dataset/code>