

Dataset

Dataset Name: FER-2013

FER-2013 is a set of 48x48 pixel grayscale portraits of faces [1]. These photos underwent preprocessing to ensure that the face is in the center and takes up roughly the same amount of space in each. One of seven emotions—angry, disgusted, terrified, delighted, sad, astonished, or neutral—is assigned to each face in the dataset. The dataset helps with the identification of facial expressions.

Dataset Name: Student engagement

There are 2120 photos in this collection [2] in total. The two classes are engaged and not engaged, with six subclasses (not engaged-looking away, not engaged-bored, not engaged-drowsy) and (engaged-confused, engaged-engaged, engaged-frustrated). But in training, we only select the 347 and 358 photo Engaged-Engaged and Not Engaged-Bored subclasses, respectively.

Provenance Information:

Image Source	Licensing Type	Relevant Information
FER-2013 Dataset	Publicly available	The dataset can be accessed at kaggle
Student Engagement	Publicly available	The dataset can be accessed at kaggle

FER-2013 angry



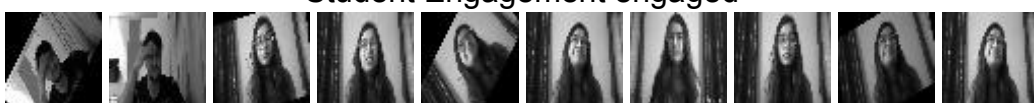
FER-2013 neutral



Student Engagement bored



Student Engagement engaged



We have taken several classes from these datasets and merged them to form our dataset. Here is a link to our dataset [GitHub](#).

Reference

- [1] Sambare, M. (n.d.). FER-2013 [Dataset; Kaggle]. In Learn facial expressions from an image (Version 1). <https://www.kaggle.com/datasets/msambare/fer2013/data>
- [2] Dey, J. (n.d.). Student-engagement [Dataset; Kaggle]. In predict student engagement in online classes (Version 1). <https://www.kaggle.com/datasets/joyee19/studentengagement>