

Expression Finder

This is a simple python program that uses OpenCV and DeepFace to detect faces in an image or video, and predicts the most dominant emotion displayed in the faces. The program can take a file path to a video or use the camera to detect emotions in real-time.

Requirements

- Python 3.6 or later
- PySimpleGUI
- OpenCV
- DeepFace

You can install the required packages using pip:

```
pip install PySimpleGUI opencv-python deepface
```

Usage

To run the program, navigate to the project directory and run the following command:

```
python expression_finder.py
```

The program will display a GUI window that prompts the user to enter a file path to a video or to use the camera. After selecting the appropriate option, click on the "Proceed" button to start emotion detection. You can exit the program by clicking on the "Quit" button or by pressing the "Q" key.

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