Face detection using haar cascade classifier

Face detection using haar cascade classifier with OpenCV and count the faces present in the given image

Description:

- This repository contains a Python script that uses the Haar Cascade Classifier in OpenCV to detect faces in an input image.
- The script reads an image from the provided file path, converts it to grayscale, and then applies the Haar Cascade Classifier to detect faces.
- Detected faces are highlighted with bounding boxes, and the total count of faces is displayed on the image.

Features:

- Face detection using Haar Cascade Classifier in OpenCV.
- Accurate and fast detection of faces in images.
- Bounding boxes are drawn around detected faces for visualization.
- Display of the total count of faces in the image.

Dependencies:

- Python 3.x
- OpenCV (cv2) Library

Instructions:

- Clone the repository to your local machine
- Ensure you have Python and the OpenCV library installed on your system.
- Place the input image you want to test in the repository's Photos folder (or provide the correct file path in the script).
- Run the script using a Python interpreter or Jupyter Notebook
- Copy code
- The script will display the input image with bounding boxes around detected faces and the total count of faces.

Disclaimer:

- This project is intended for educational and demonstrative purposes only. The accuracy of face detection may vary based on image quality and the classifier used. The developers are not responsible for any misuse or inappropriate use of the code or its results