Double-click (or enter) to edit

Start coding or $\underline{\text{generate}}$ with AI.

img=cv2.imread("/content/baby crying.jpg")

import matplotlib.pyplot as plt

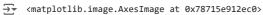
plt.imshow(img) #bgr

<matplotlib.image.AxesImage at 0x78715ebf4400>



Start coding or generate with AI.

plt.imshow(cv2.cvtColor(img,cv2.COLOR_BGR2RGB)) #RGB





Start coding or generate with AI.

!pip install deepface

Collecting deepface
Downloading deepface-0.0.93-py3-none-any.whl.metadata (30 kB)
Requirement already satisfied: requests>=2.27.1 in /usr/local/lib/python3.10/dist-packages (from deepface) (2.32.3)
Requirement already satisfied: numpy>=1.14.0 in /usr/local/lib/python3.10/dist-packages (from deepface) (1.26.4)
Requirement already satisfied: pandas>=0.23.4 in /usr/local/lib/python3.10/dist-packages (from deepface) (2.1.4)
Requirement already satisfied: gdown>=3.10.1 in /usr/local/lib/python3.10/dist-packages (from deepface) (5.1.0)
Requirement already satisfied: tqdm>=4.30.0 in /usr/local/lib/python3.10/dist-packages (from deepface) (4.66.5)

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Requirement already satisfied: Pillow>=5.2.0 in /usr/local/lib/python3.10/dist-packages (from deepface) (9.4.0)
      Requirement already satisfied: opencv-python>=4.5.5.64 in /usr/local/lib/python3.10/dist-packages (from deepface) (4.10.0.84)
      Requirement already satisfied: tensorflow>=1.9.0 in /usr/local/lib/python3.10/dist-packages (from deepface) (2.17.0)
      Requirement already satisfied: keras>=2.2.0 in /usr/local/lib/python3.10/dist-packages (from deepface) (3.4.1)
      Requirement already satisfied: Flask>=1.1.2 in /usr/local/lib/python3.10/dist-packages (from deepface) (2.2.5)
      Collecting flask-cors>=4.0.1 (from deepface)
         Downloading Flask Cors-5.0.0-py2.py3-none-any.whl.metadata (5.5 kB)
      Collecting mtcnn>=0.1.0 (from deepface)
         Downloading mtcnn-0.1.1-py3-none-any.whl.metadata (5.8 kB)
      Collecting retina-face>=0.0.1 (from deepface)
         Downloading retina_face-0.0.17-py3-none-any.whl.metadata (10 kB)
      Collecting fire>=0.4.0 (from deepface)
         Downloading fire-0.6.0.tar.gz (88 kB)
                                                               - 88.4/88.4 kB 1.8 MB/s eta 0:00:00
         Preparing metadata (setup.py) ... done
      Collecting gunicorn>=20.1.0 (from deepface)
         Downloading gunicorn-23.0.0-py3-none-any.whl.metadata (4.4 kB)
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      Requirement already satisfied: termcolor in /usr/local/lib/python3.10/dist-packages (from fire>=0.4.0->deepface) (2.4.0)
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      Requirement already satisfied: google-pasta>=0.1.1 in /usr/local/lib/python3.10/dist-packages (from tensorflow>=1.9.0->deepface)
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      Requirement already satisfied: protobuf!=4.21.0,!=4.21.1,!=4.21.2,!=4.21.3,!=4.21.4,!=4.21.5,<5.0.0dev,>=3.20.3 in /usr/local/lik
      Requirement already satisfied: setuptools in /usr/local/lib/python3.10/dist-packages (from tensorflow>=1.9.0->deepface) (71.0.4)
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      Requirement already satisfied: wrapt>=1.11.0 in /usr/local/lib/python3.10/dist-packages (from tensorflow>=1.9.0->deepface) (1.16
from deepface import DeepFace
pred=DeepFace.analyze(img)
→ 24-09-10 14:15:42 - Directory /root/.deepface has been created
      24-09-10 14:15:42 - Directory /root/.deepface/weights has been created
                                               | 0/4 [00:00<?, ?it/s]24-09-10 14:15:44 - facial_expression_model_weights.h5 will be downloaded.
      Action: emotion: 0%
      Downloading..
      From: https://github.com/serengil/deepface_models/releases/download/v1.0/facial_expression_model_weights.h5
      To: /root/.deepface/weights/facial_expression_model_weights.h5
      100%| 5.98M/5.98M [00:00<00:00, 69.5MB/s]
      Action: age: 25%
                                         | 1/4 [00:00<00:02, 1.19it/s]
                                                                                    Downloading...
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      To: /root/.deepface/weights/age_model_weights.h5
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                             229M/539M [00:00<00:01, 231MB/s]
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                          | 381M/539M [00:06<00:01, 79.0MB/s]
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                         411M/539M [00:06<00:01, 101MB/s]
                          | 427M/539M [00:06<00:00, 115MB/s]
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     Downloading...
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     To: /root/.deepface/weights/gender_model_weights.h5
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      31%
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| 217M/537M [00:00<00:01, 229MB/s]
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      40%
                         241M/537M [00:01<00:01, 228MB/s]
264M/537M [00:01<00:01, 225MB/s]
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type(pred)
pred
'fear': 39.52079713344574,
         'happy': 0.044839546899311244,
         'sad': 60.337090492248535,
         'surprise': 9.767813935468439e-06,
         'neutral': 0.09583064238540828},
        'dominant_emotion': 'sad',
        'region': {'x': 236,
         'y': 505,
'w': 534,
         'h': 534,
         'left_eye': None,
         'right eye': None},
        'face_confidence': 0.95,
        'age': 21,
       'gender': {'Woman': 11.119073629379272, 'Man': 88.8809323310852}, 'dominant_gender': 'Man', 'race': {'asian': 4.919382850490979, 'indian': 2.1210315970201252,
         'black': 0.23812483087181036,
         'white': 35.61593506431193,
         'middle eastern': 11.163309881884448,
'latino hispanic': 45.94221984995722},
        'dominant_race': 'latino hispanic'}]
prediction=pred[0]
prediction["dominant_emotion"]
```

83%

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