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Extract detected faces from image in opencv c++ for further processing

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I am working on image processing in opencv to detect faces in an image and perform further processing on them.I am stuck at a point where i am trying to anlyze the detected faces in the image.I want to pass he detected area of the face to a new function and display only that part of the image but i am getting following error: Invalid argument:"Path Location Typeno match for 'operator=' (operand types are 'cv::Mat' and 'cv::Rect_')" aa.cpp /aa/src line 65 C/C++ Problem

if possible please suggest me some solution. Thankyou

```
   }
 return 0;
}

void totest(Mat img)
{
imshow("detected",img);
cvtColor(img,img,CV_RGB2GRAY);
cvCanny(img,img,20,100,3);
imshow("edged",img);

}
void detectAndDisplay( Mat frame )
{
    std::vector<Rect> faces;
    Mat frame_gray;
     std::vector<Rect> fff;
     cvtColor( frame, frame_gray, CV_BGR2GRAY );
          equalizeHist( frame_gray, frame_gray );


       face_cascade.detectMultiScale( frame_gray, faces, 1.1, 3, 0, Size(115,115) );
         int x;

        for( size_t i = 0; i < faces.size(); i++ )
        {
            x++;
             Point center( faces[i].x + faces[i].width*0.5, faces[i].y +
              ellipse( frame, center, Size( faces[i].width*0.5, faces[i].height*0.5), 0, 0,
       Mat img;
      img=faces[i];
        waitKey(0);
   }
```

c++ opencv image-processing

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asked Mar 4 '14 at 5:33
zzzz
35 ● 1 ● 11

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1 Answer

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The problem comes from this line:

```
img = faces[i];
^^^   ^^^^^^^^
 |       |
'Mat'  'Rect'
```

where you are trying to assign a `cv::Rect` to a `cv::Mat`.

To get the ROI region of the image, you should change it to something like:

```
img = frame(faces[i]);
```

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answered Mar 4 '14 at 5:46
herohuyongtao
36.6k ● 18 ● 97 ● 126

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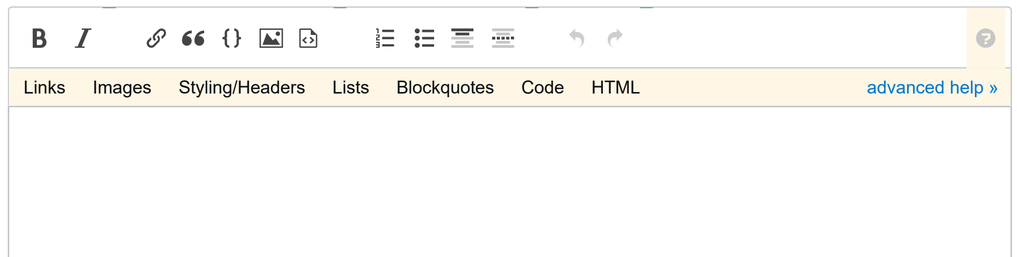
Your Answer



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