Markerless motion capture at home!

Human Mobility Research Laboratory

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What will I need?
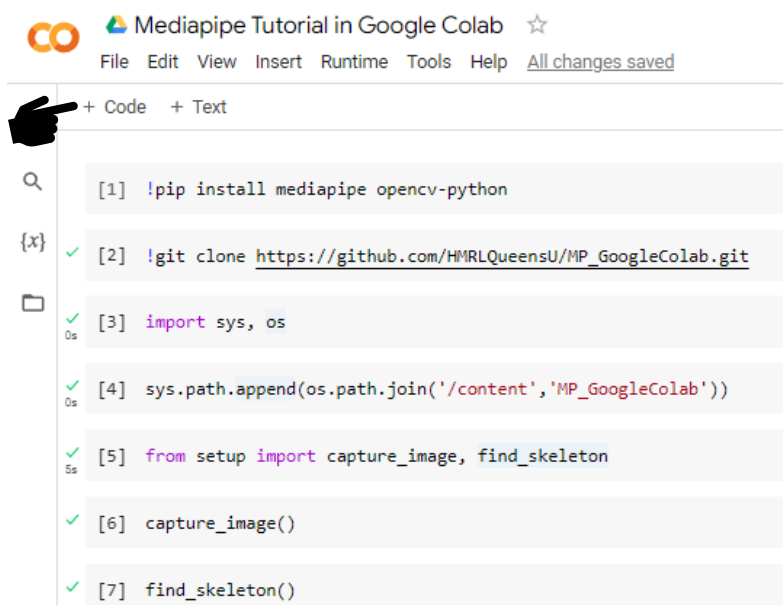
A webcam

A computer with internet access

Instructions:

1. First, go to https://colab.research.google.com/ and sign in with your Google account.

2. Click on the "New Notebook" button or go to "File" > "New Notebook" to create a new Python notebook.

3. Type in the following code, using the "+ Code" button to create a new line of code:

Mediapipe Tutorial in Google Colab ☆

File   Edit   View   Insert   Runtime   Tools   Help   All changes saved

+ Code   + Text

```
[1]  !pip install mediapipe opencv-python

[2]  !git clone https://github.com/HMRLQueensU/MP_GoogleColab.git

[3]  import sys, os

[4]  sys.path.append(os.path.join('/content','MP_GoogleColab'))

[5]  from setup import capture_image, find_skeleton

[6]  capture_image()

[7]  find_skeleton()
```

4. Go to "Runtime" > "Run all" to execute the code you just created!

   Note: your web browser may ask for access to your webcam. When prompted, click "Allow":

   colab.research.google.com wants to
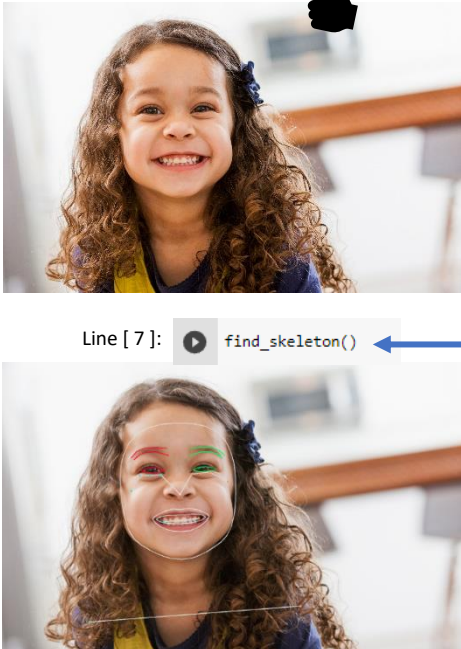   📹 Use your camera
   Allow   **Block**
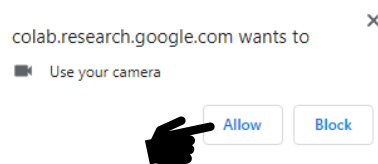
5. Try new poses by clicking the "Run" button ▶ on line [6] and line [7].

   When finished, you can safely close your browser. Your photos will be deleted automatically, so be sure to save the ones you liked!

Click capture!

Line [6]: `capture_image()`
··· Capture

Line [7]: ▶ `find_skeleton()`

Observe your results!

Access our example code online!

https://bit.ly/3Ftwopf