DPTのインストール

(仮想環境の構築)

DPTは、Yolov7の仮想環境を利用します

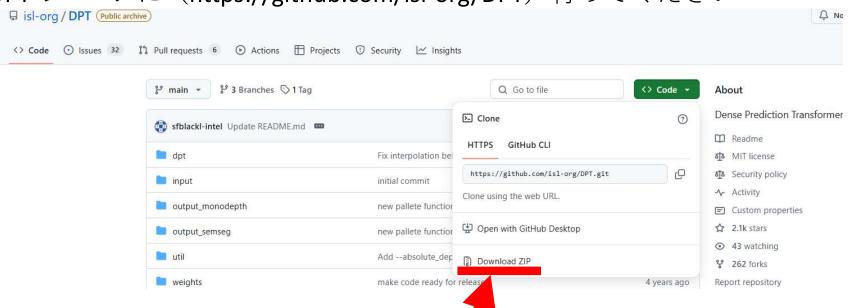
Yolov7の仮想環境のターミナルを開いてください.

「pip install timm==0.4.5」と打ち込んで実行してください.

C:#WIINDOWS#Systemsz#cmu.exe

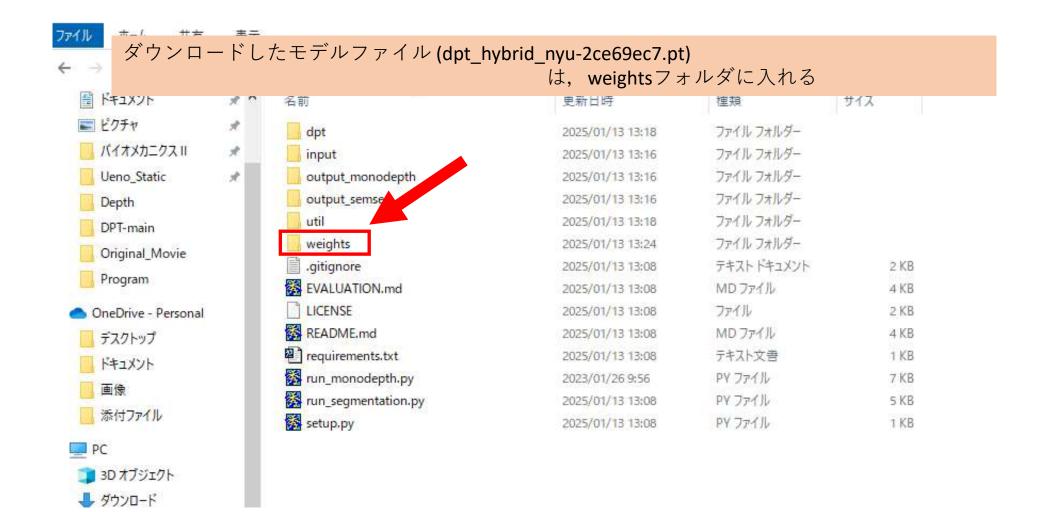
(SadokuYolov7_2) C:¥Users¥bird04>pip install timm==0.4.5_

DPTのページに(https://github.com/isl-org/DPT)行ってください

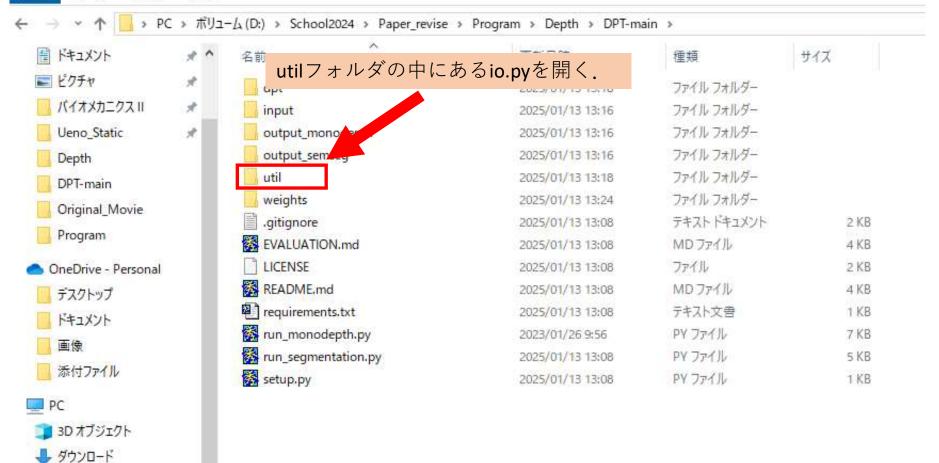


ZIPファイル (DPT-main.zip) をダウンロードする

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3. The results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_monodepth and output_semseg , results are written to the folder output_semseg . The folder output_monodepth and output_semseg . The folder output_s
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io.pyを①から②に変更する.

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```
write_depth(path, depth, bits=1, absolute_depth=False):↓
"""Write depth map to pfm and png file.↓
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                path (str): filepath without extension↓
                depth (array): depth
           write pfm(path + ".pfm", depth.astype(np.float32))
           if absolute_depth:↓
                out = depth↓
           else:√
                depth_min = depth.min()
depth_max = depth.max()
                max_val = (2 ** (8 * bits)) - 1
                if depth_max - depth_min > np.finfo("float").eps:↓
   out = max_val * (depth - depth_min) / (depth_max - depth_min)↓
                else:√
                     out = np.zeros(depth.shape, dtype=depth.dtype)
                cv2.imwrite(path + ".png", out.astype("uint8"), [cv2.IMWRITE_PNG_COMPRESSION, 0])
                cv2.imwrite(path + ".png", out.astype("uint16"), [cv2.IMWRITE_PNG_COMPRESSION, 0])
           return
         write_segm_img(path, image, labels, palette="detail", alpha=0.5):↓
"""Write depth map to pfm and png file.↓
```

これを実行しないようにする.

```
(2)
          write_depth(path, depth, bits=1, absolute_depth=Famounts are to pfm and png file.↓
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                path (str): filepath without extension↓
depth (array): depth↓
           if absolute depth:↓
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                out = depth↓
           else:↓
                depth_min = depth.min()↓
depth_max = depth.max()↓
                 max val = (2 ** (8 * bits)) - 1
                 if depth_max - depth_min > np.finfo("float").eps:↓
  out = max_val * (depth - depth_min) / (depth_max - depth_min)↓
                else:
                      out = np.zeros(depth.shape, dtype=depth.dtype)
               cv2.imshow( "Result", out.astype("uint8") )↓
cv2.waitKey(1)↓
           cvz.imwrite(path + ".png", out.astype("uinto"), [cvz.imwrifE_PNG_COMPRESSION, 0]) |
               cv2.imshow("Result", out.astype("uint16") )↓
cv2.waitKey(1)↓
                cvz.imwrite(path + ".png", out.astype("uintib"), [cv2.immxITE_PNG_COMPRESSION, 0])
           return↓
```

これを書き加える

DPT-mainフォルダに、DPT-Human.pyを入れる.

