Dataset link:

https://drive.google.com/drive/folders/1DCpmo919b7OrAng9clEbiMHjO3D0hyoa?usp=sharing

We have used the coco2017 dataset for this project, whose structured format is

COCODIR/

   ├── train2017/

   ├── val2017/

   └── annotations/

        ├── instances_train2017.json

        └── instances_val2017.json

Pre-Trained Model Used

DINO model has been used in which ResNet-50 has been used as backbone for the model.

For the mentioned step no. 5 "Validation: Run evaluations on the validation set using the pre-trained weights, as COCO contains a "person" class relevant to this task. You will need to adjust the config file to point to the correct dataset path."

When I have used the instructed repository instruction "Download our DINO model checkpoint "checkpoint0011_4scale.pth" from this link and perform the command below.

" bash scripts/DINO_eval.sh /path/to/your/COCODIR /path/to/your/checkpoint ""

After downloading the correct checkpoint and using the above command, I got error to download and verify some more dependencies.

!pip install yapf==0.30.0

!pip install addict

!pip install -r /content/DINO/requirements.txt

After downloading the checkpoint0011_4scale.pth using command

!wget --no-check-certificate 'https://drive.google.com/uc?id=1eeAHgu-fzp28PGdIjeLe-pzGPMG2r2G_' -O checkpoint0011_4scale.pth

Then using below mentioned command for evaluating the performance of the pretrained model on dataset I get error constantly.

!bash /content/DINO/scripts/DINO_eval.sh /content/drive/MyDrive/IIT_Delhi/COCODIR /content/checkpoint0011_4scale.pth

I again got error of "wheight_only =true" error in the main.py file of the DINO. I tried changing the line no 212 of the main.py file and added "wheight_only =true" because it was taking "wheight_only =false" by default. But it didn't get reflected in the code and it remains constantly coming.

I couldn't able to resolve this error by trying harder till the deadline.