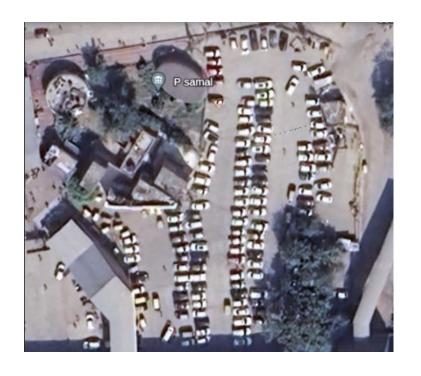
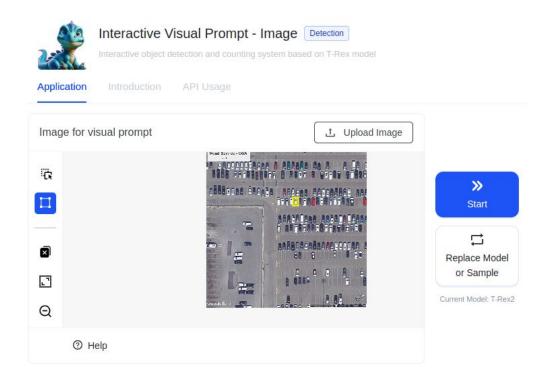
Prompt image (107.jpg)

Test image (test_5.png)

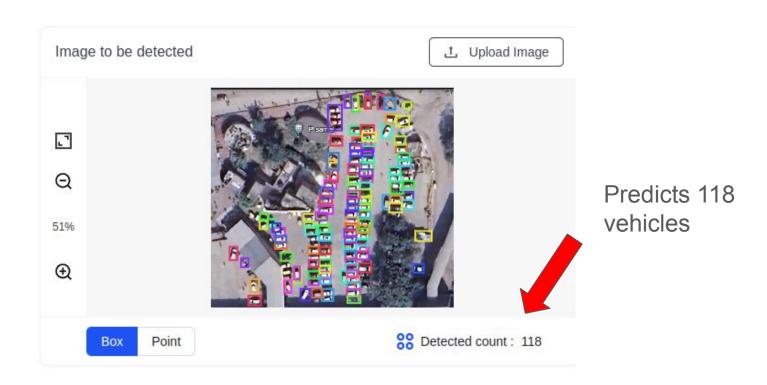


Using Deep Data Space

https://deepdataspace.com/playground/ivp

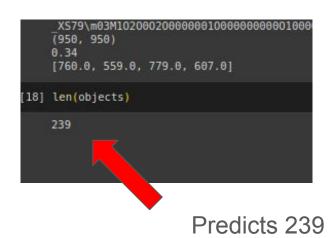


Result of "Interactive visual prompt"



Using Interactive Visual Prompt (iVP) API

```
from dds cloudapi sdk import Config
from dds cloudapi sdk import Client
token = "096ac96a78fea12d4e21a4372a89a944"
config = Config(token)
client = Client(config)
# 2. Upload local image to the server and get the URL.
infer image url = client.upload file("/content/gdrive/My Drive/trex api/107.jpg") # you
prompt image url = client.upload file("/content/gdrive/My Drive/trex api/test 5.png") #
# 3. Create a task with proper parameters.
from dds cloudapi sdk.tasks import IVPTask
from dds cloudapi sdk.tasks import RectPrompt
from dds cloudapi sdk.tasks import LabelTypes
task = IVPTask(
   prompt image url=prompt image url,
   prompts=[RectPrompt(rect=[0.826842, 0.337368, 0.020000, 0.047368], is positive=True)
   infer image url=infer image url,
    infer label types=[LabelTypes.BBox, LabelTypes.Mask], # infer both bbox and mask
client.run task(task)
from dds cloudapi sdk.tasks.ivp import TaskResult
result: TaskResult = task.result
mask url = result.mask url # the image url with all masks drawn on
objects = result.objects # the list of detected objects
for idx, obj in enumerate(objects):
   # get the detection score
   print(obj.score) # 0.42
   # get the detection bbox
   print(obj.bbox) # [635.0, 458.0, 704.0, 508.0]
   print(obj.mask.counts) # ]o'f08fa14M3L202M201010101N201N201N2N3M203L3M3N2M2N3N1N20
```



vehicles

Training Yolov8 on custom dataset

```
mode=predict model='/content/gdrive/My Drive/iitm 2024/train9/weights/best.pt' conf=0.1 source='/content/gdrive/My
Ultralytics YOLOv8.2.5 / Python-3.10.12 torch-2.2.1+cu121 CUDA:0 (Tesla T4, 15102MiB)
YOLOv8n summary (fused): 168 layers, 3006818 parameters, 0 gradients, 8.1 GFLOPs
image 1/1 /content/gdrive/My Drive/iitm 2024/data/test images/test 5.png: 608x640 4 minivans, 252 cars, 93.7ms
Speed: 5.7ms preprocess, 93.7ms inference, 2042.2ms postprocess per image at shape (1, 3, 608, 640)
Results saved to runs/detect/predict3
Learn more at <a href="https://docs.ultralytics.com/modes/predict">https://docs.ultralytics.com/modes/predict</a>
                                                                                                   Predicts 256
```

vehicles