

# **Computer Vision**

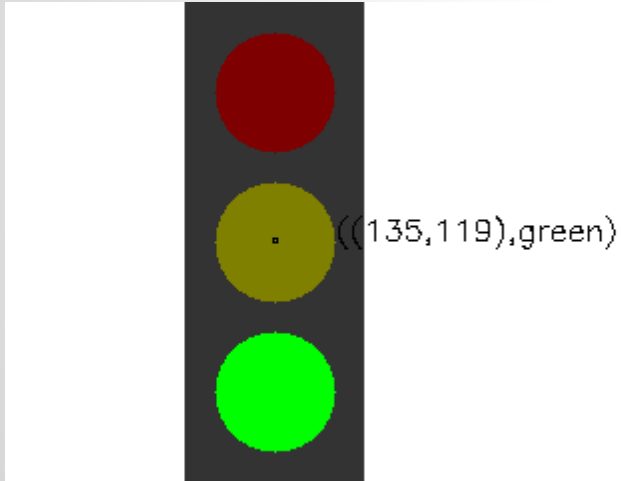
## **Fall 2019**

### **Problem Set #2**

Sahil Dhingra  
sdhingra31@gatech.edu

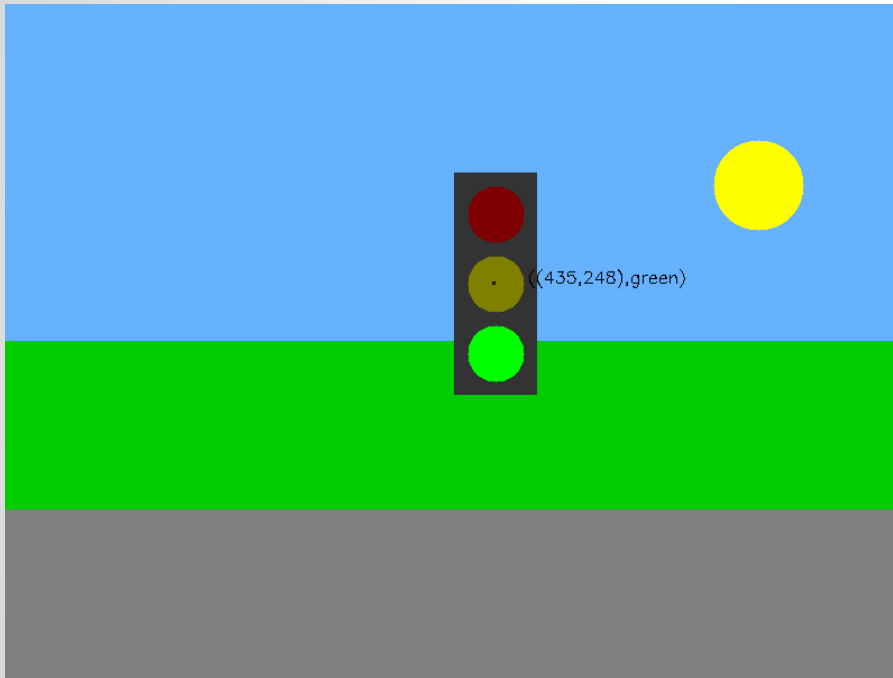
# Traffic Light Detection

Coordinates and State: (135, 119)  
Green



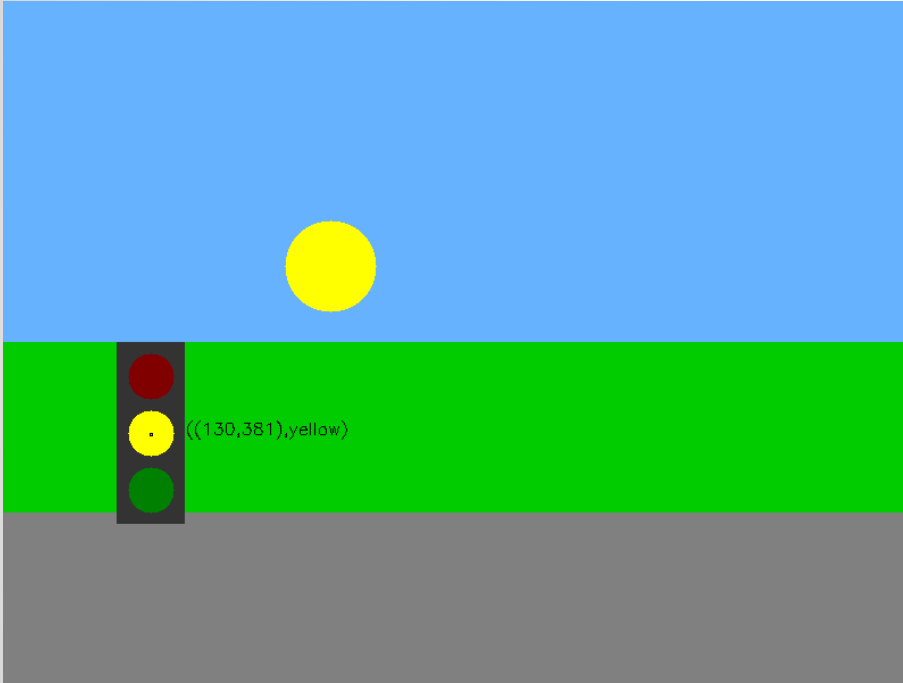
ps2-1-a-1.png

# Traffic Light Detection



Coordinates and State: (435, 248),  
Green

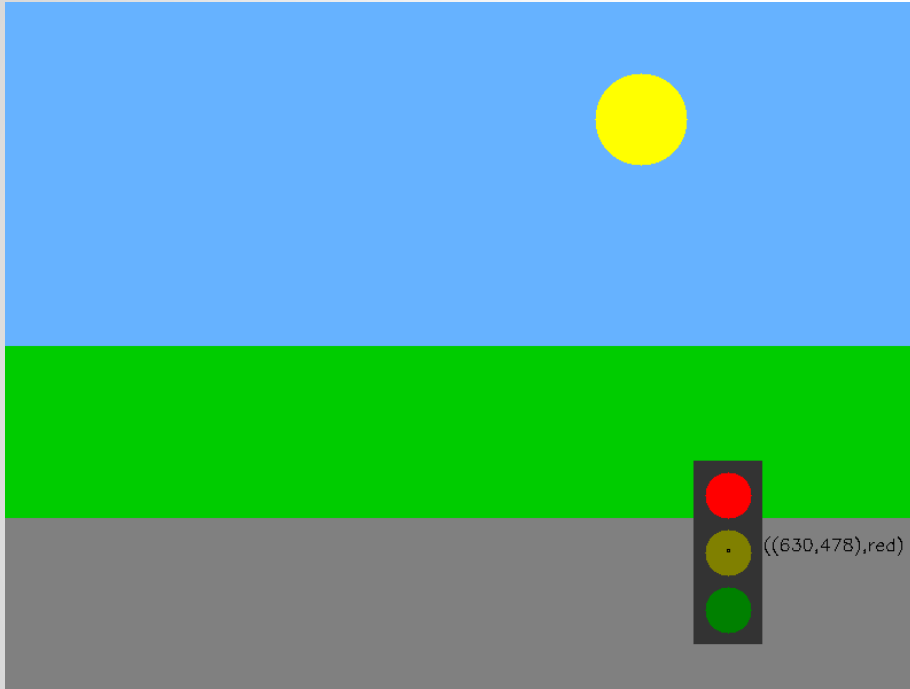
# Traffic Light Detection



Coordinates and State: (130, 381),  
Yellow

ps2-1-a-3.png

# Traffic Light Detection

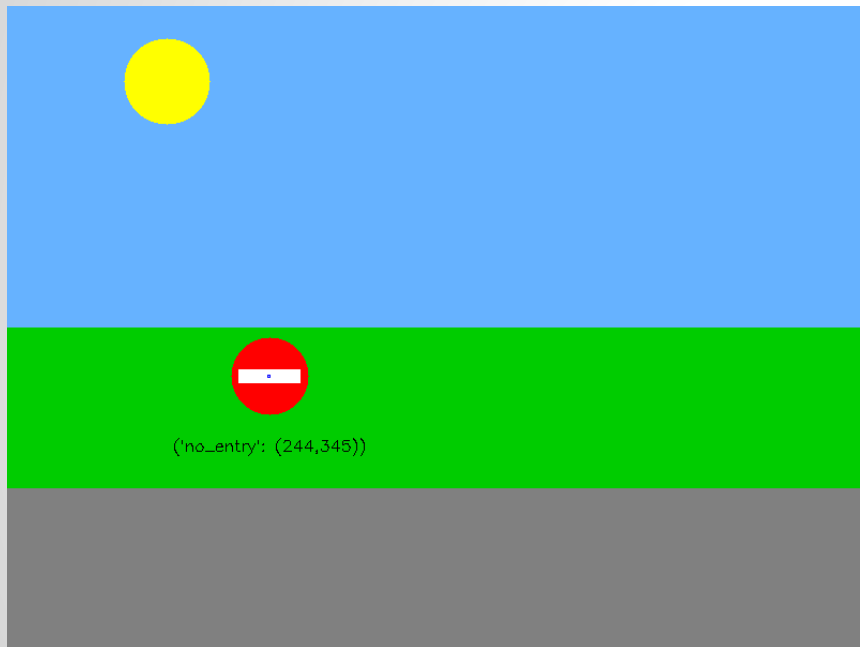


Coordinates and State: (630, 478),  
Red

ps2-1-a-4.png

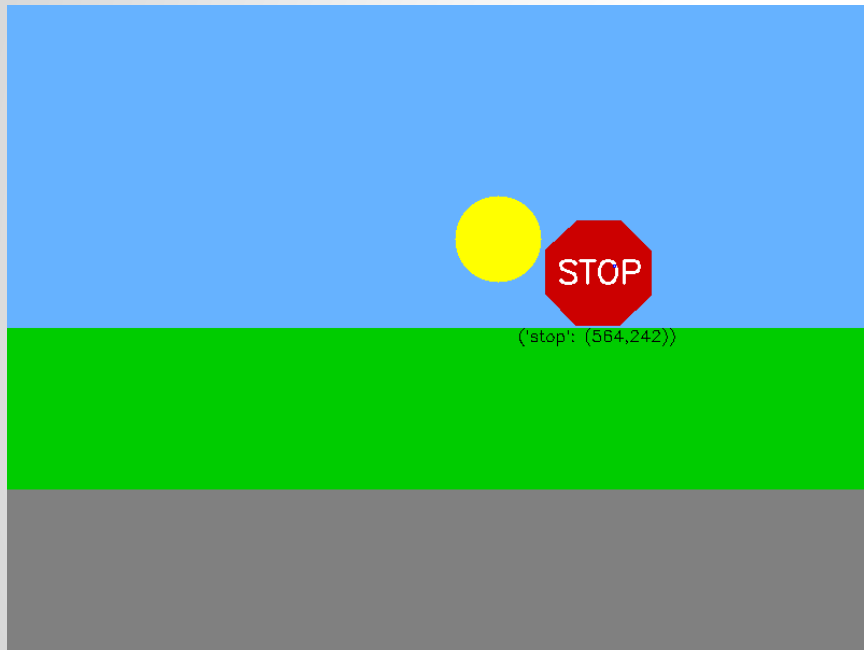
# Traffic Sign Detection - Do Not Enter

Coordinates: (244, 345)



ps2-2-a-1.png

# Traffic Sign Detection - Stop



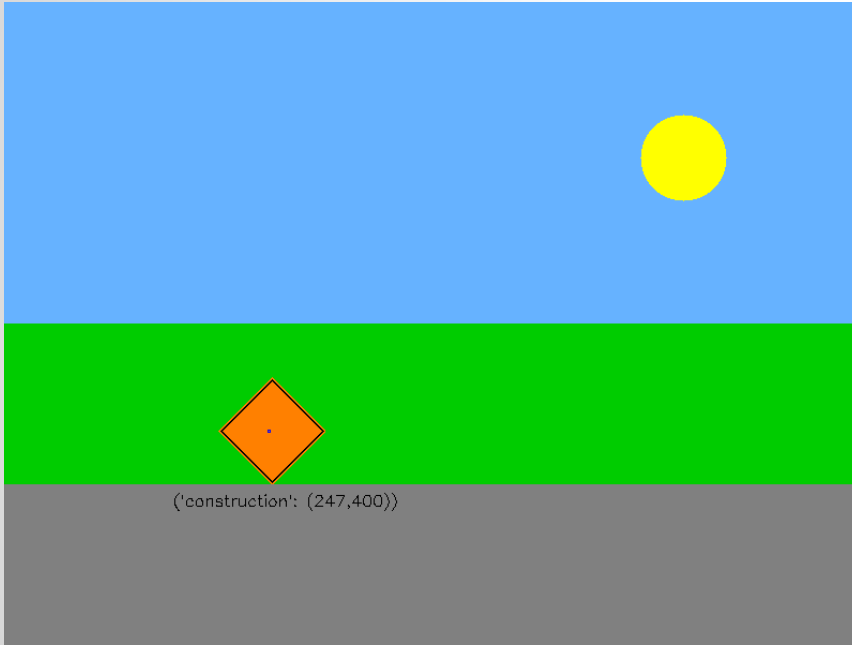
Coordinates: (584, 242)

('stop': (584,242))

ps2-2-a-2.png

# Traffic Sign Detection - Construction

Coordinates: (247, 400)

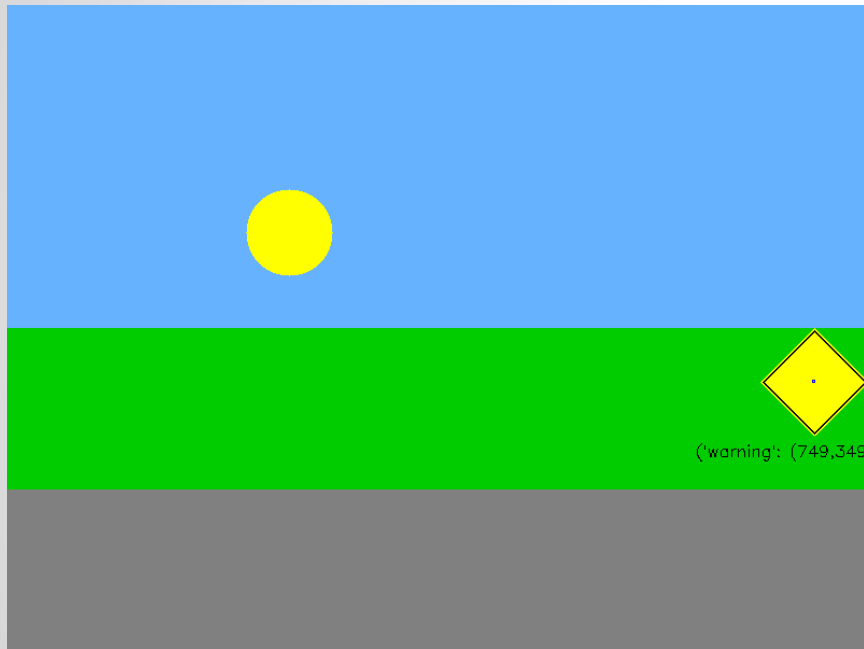


ps2-2-a-3.png



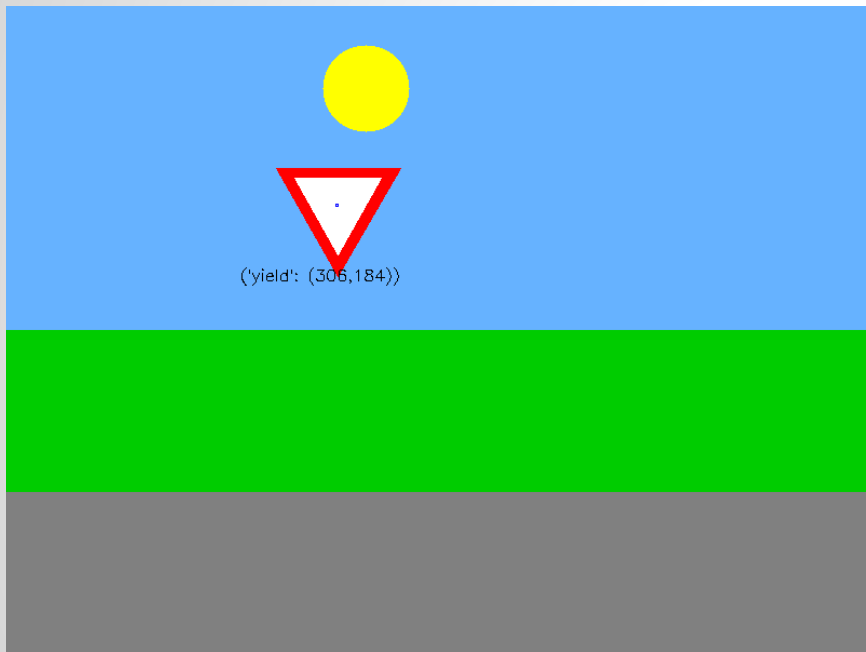
# Traffic Sign Detection - Warning

Coordinates: (749, 349)



ps2-2-a-4.png

# Traffic Sign Detection - Yield



Coordinates: (306, 184)

ps2-2-a-5.png

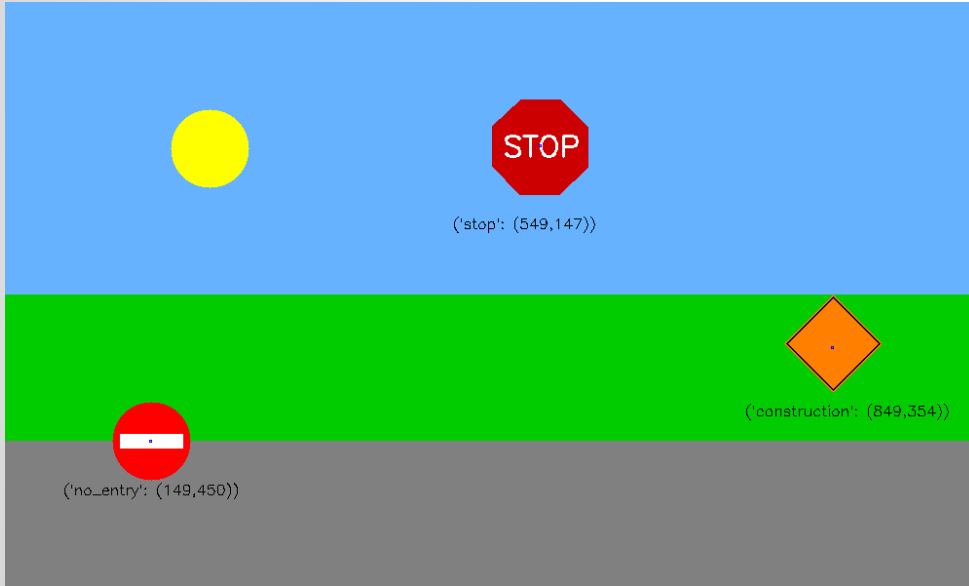
# Multiple sign detection

Coordinates and Name:

No Entry: (149, 450)

Stop: (549, 147)

Construction: (849, 354)



ps2-3-a-1.png

# Multiple sign detection

Coordinates and Name:

Traffic Light: (114, 339)

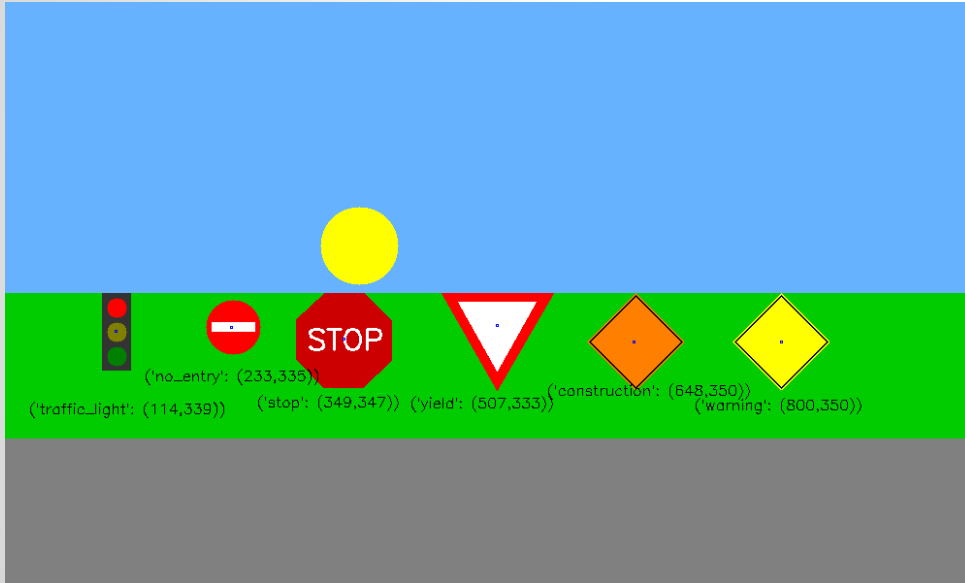
No Entry: (233, 335)

Stop: (349, 347)

Yield: (507, 333)

Construction: (648, 350)

Warning: (800, 350)



ps2-3-a-2.png

# Multiple sign detection with noise

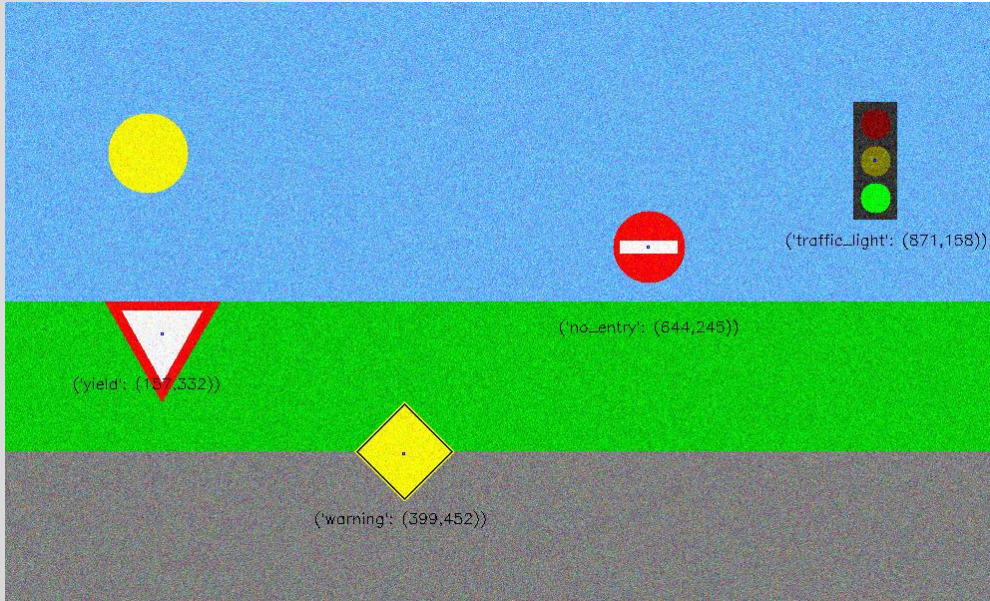
Coordinates and Name:

Traffic Light: (871, 158)

No Entry: (644, 245)

Yield: (157, 332)

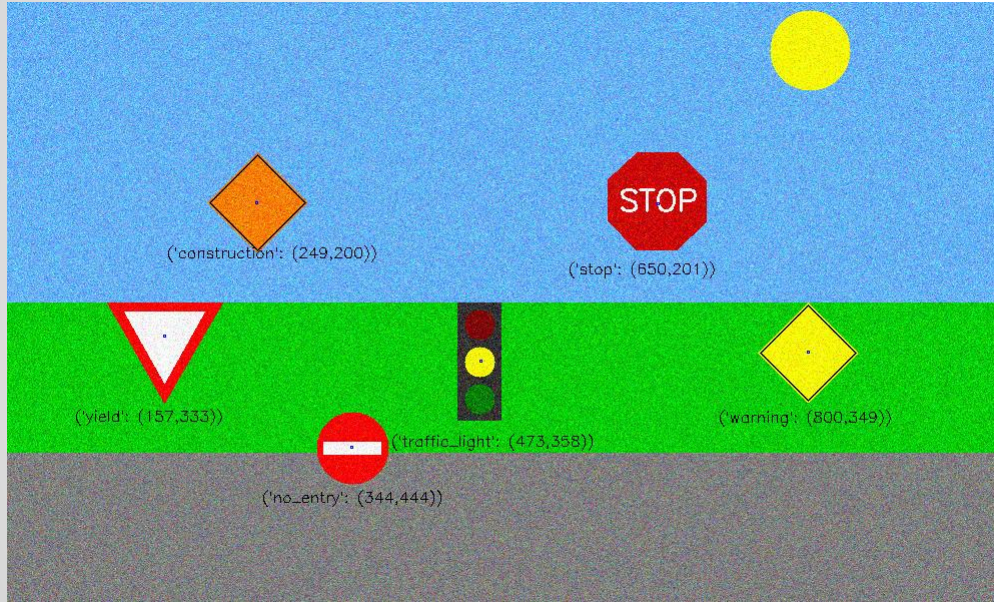
Warning: (399, 452)



ps2-4-a-1.png

# Multiple sign detection with noise

Coordinates and Name:



Traffic Light: (473, 358)

No Entry: (344, 444)

Stop: (650, 201)

Yield: (157, 333)

Construction: (249, 200)

Warning: (800, 349)