

Output

Figure 1.

A table displaying the first ten rows of the csv file results.csv, which is created by running the camouflaged.py file and displays key information after conducting image analysis.

| filename | camouflaged | object_detected | label | box | match |
|-----------------------------|-------------|-----------------|-----------------------|--|-------|
| non_camouflaged_bicycle.jpg | False | True | bicycle: 59.75% | [67.14945287 67.26064906 197.59592414 229.23718393] | True |
| non_camouflaged_bird.jpg | False | True | car: 99.9% | [134.85013533 82.95713425 439.30409718 508.05755615] | False |
| non_camouflaged_bird(1).jpg | False | True | car: 99.9% | [118.08425784 18.18819046 370.74493344 639.27604675] | False |
| non_camouflaged_bird(2).jpg | False | True | car: 62.42% | [-9.48776722 11.61612034 324.32384491 158.51106644] | False |
| non_camouflaged_bison.jpg | False | True | traffic light: 99.99% | [36.77368164 124.79989529 483.28159332 413.53408813] | False |
| non_camouflaged_cat.jpg | False | True | truck: 99.08% | [344.64416504 206.89385891 639.01123047 477.33003616] | False |
| non_camouflaged_cat(1).jpg | False | True | fire hydrant: 74.43% | [90.52953124 26.47007257 499.54178929 361.95760212] | False |
| non_camouflaged_cat(2).jpg | False | True | truck: 99.8% | [152.68620849 44.42857951 502.67720222 315.59747458] | False |
| non_camouflaged_cat(3).jpg | False | True | horse: 89.86% | [2.73731232e+00 -3.82919312e+01 6.39073830e+02 4.61291637e+02] | False |
| non_camouflaged_cat(4).jpg | False | True | fire hydrant: 93.65% | [39.51353073 7.51635075 634.12956238 477.50146866] | False |

Figure 2.

A table displaying the calculated results from running ModelSSD on the images.

Summary Table of Object Detection and Match Accuracy

| Camouflaged | Object_Detection_Accuracy | Object_Match_Accuracy |
|-------------|---------------------------|-----------------------|
| True | 0.5060241 | 0.0000000 |
| False | 0.8674699 | 0.0120482 |

Figure 3.

A series of images showing example results from running ModelSSD image analysis.







