

## **User Stories for each Sprint**

### **Sprint 1:**

- As a machine learning student, I want to be able to upload an image to a website so I can eventually get a segmented copy.
  - User enters website.
  - User Scrolls down to program field.
  - User clicks choose file button.
  - User clicks on image they want to upload.
- As someone who wants an image segmentation I would like to be able to process the image right from the home page so I don't need to struggle navigating the website.
  - User enters website.
  - User Scrolls down to program field.
  - User clicks choose file button.
  - User clicks on image they want to upload.
  - User clicks upload button

### **Sprint 2:**

- As a machine learning student, I would like to observe an image segmentation for my images so I can get a better understanding of computer vision and compare with my model.
  - User enters website.
  - User Scrolls down to program field.
  - User clicks upload button.
  - User clicks on image they want to upload.
  - User clicks upload button.
  - User waits while loading.
  - User redirected to page with segmentation displayed.
- As someone who wants to learn about image segmentation, I would like a website to teach me about it and its usages so that I can gain a better understanding about the field in one place.
  - User enters website.

- User scrolls down to different portions of the website depending on what they specifically want to learn more about
- User uses website bookmarks to automatically go to the different informational sections instantly

### **Sprint 3:**

-As a Machine Learning student, I would like to observe image segmentations for my images from a website so I can learn about the model and see how it handles edge cases.

- User enters website.
- User Scrolls down to program field.
- User clicks upload button.
- User clicks on image they want to upload.

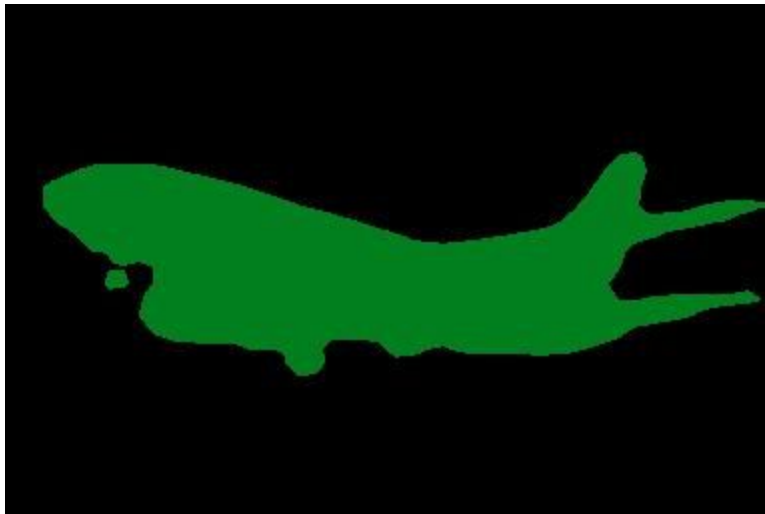
-As someone who wants to deploy a machine learning model, I would like to see the code and test the model so I create one myself.

- User enters website.
- User clicks GitHub icon.
- User scrolls down to program field.
- User clicks upload button.
- User clicks on image they want to upload.

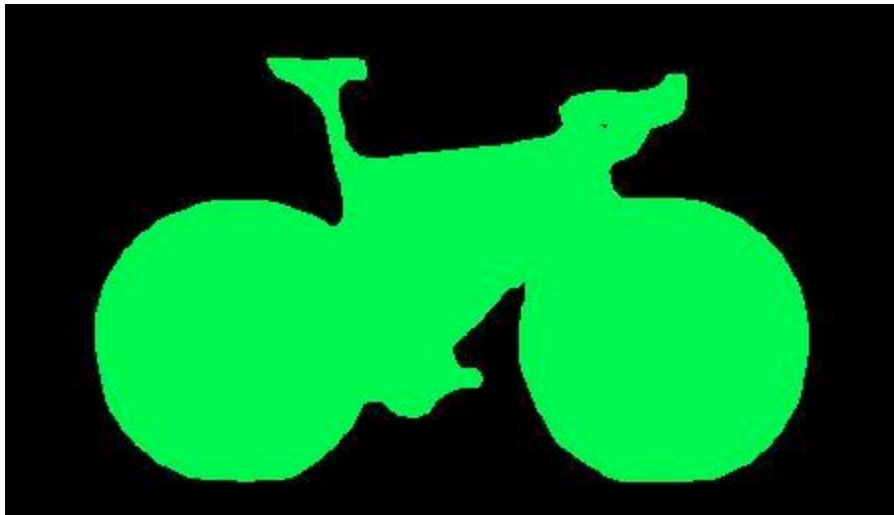
## Unit Tests

Example Image Segmentations:

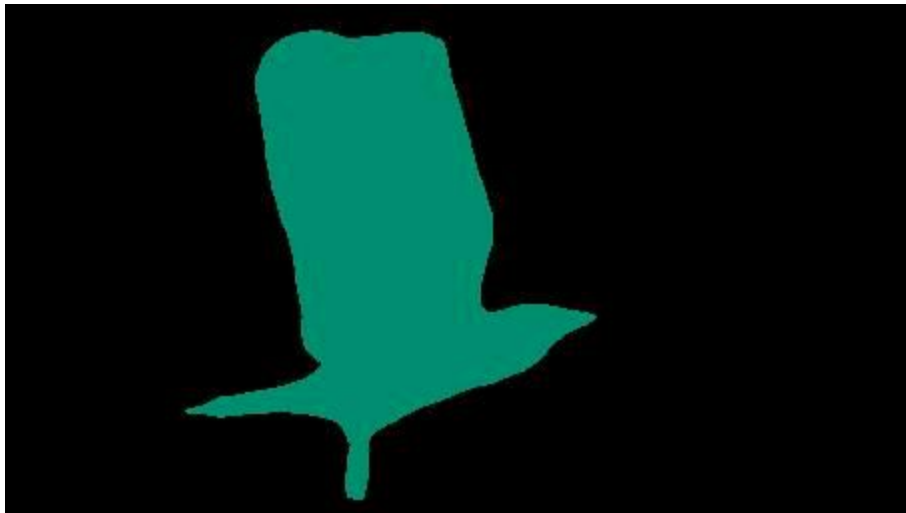
Airplane:



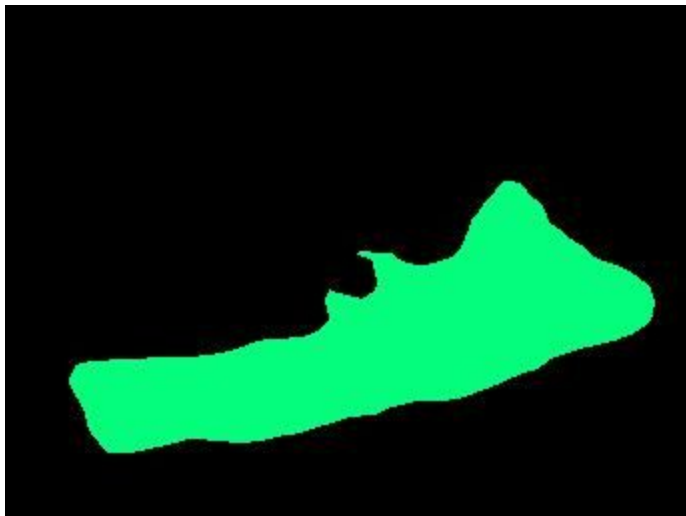
Bicycle:



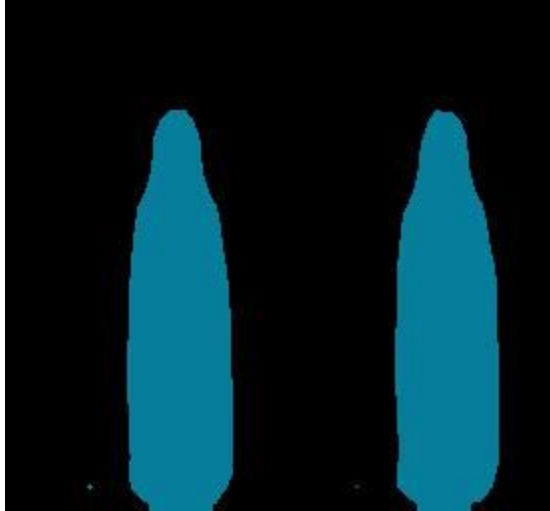
Bird:



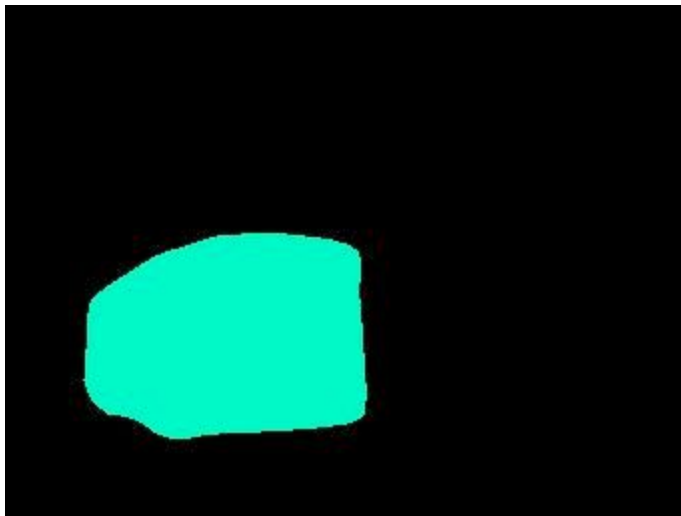
Boat:



Bottle:

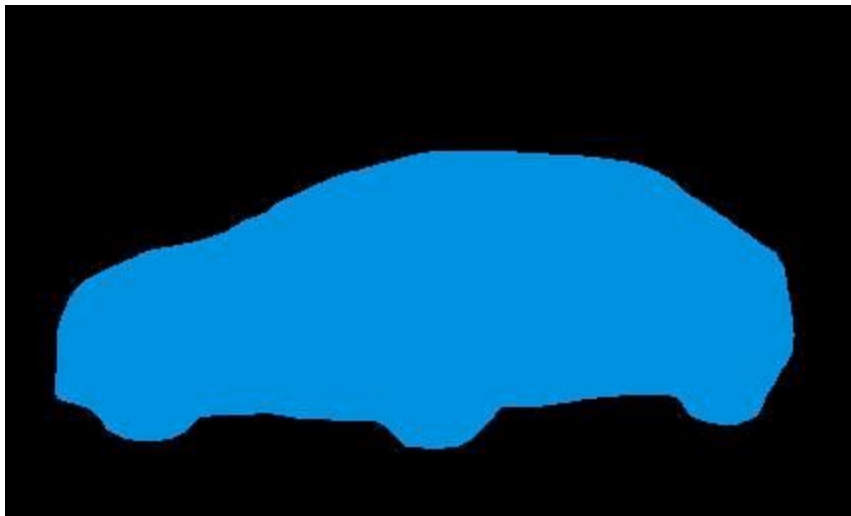


Bus:

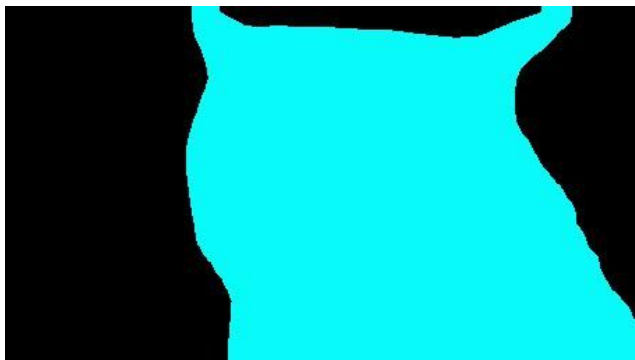




Car:



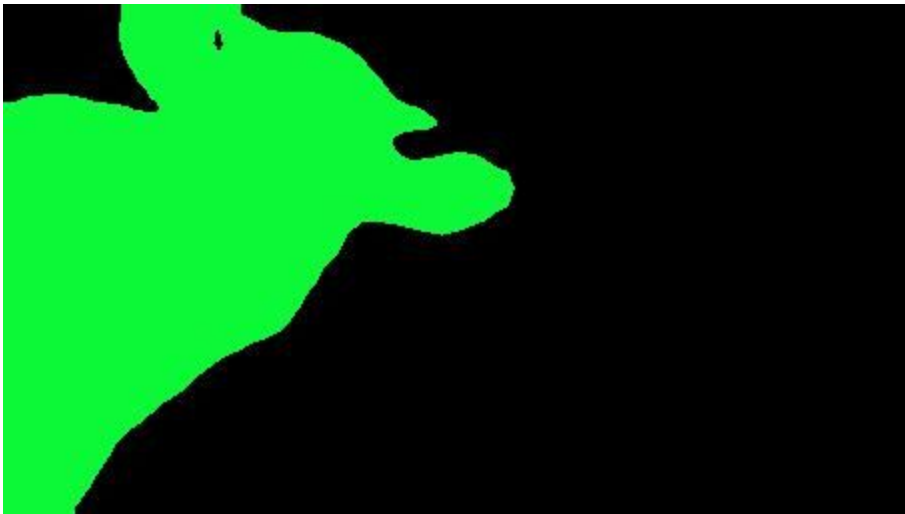
Cat:



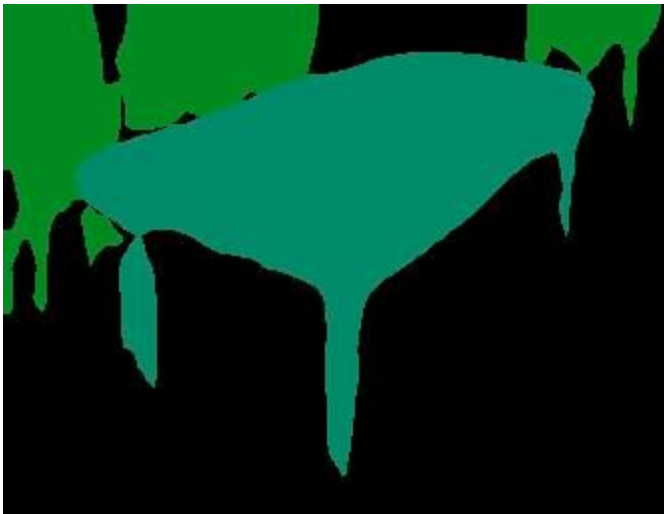
Chair:



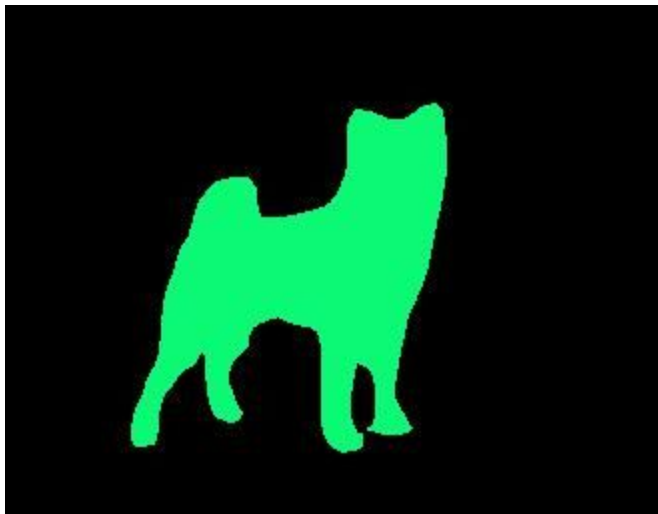
Cow:



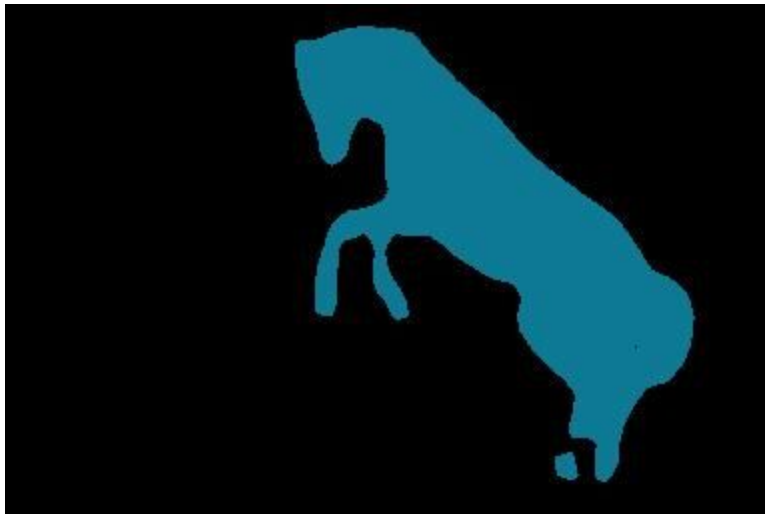
Dining Table:



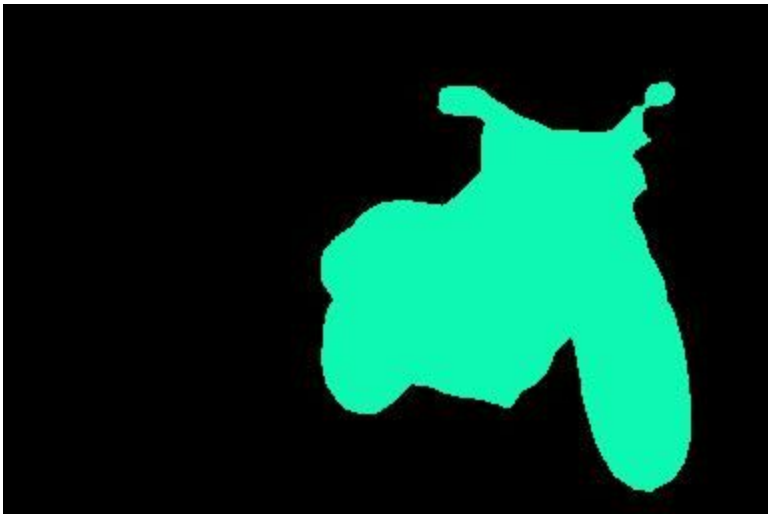
Dog:



Horse:



Motorbike:

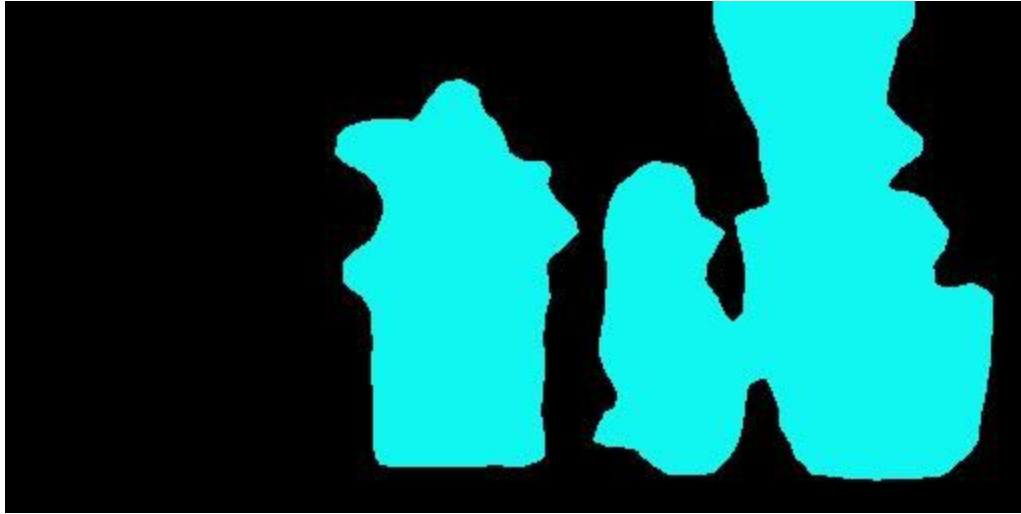




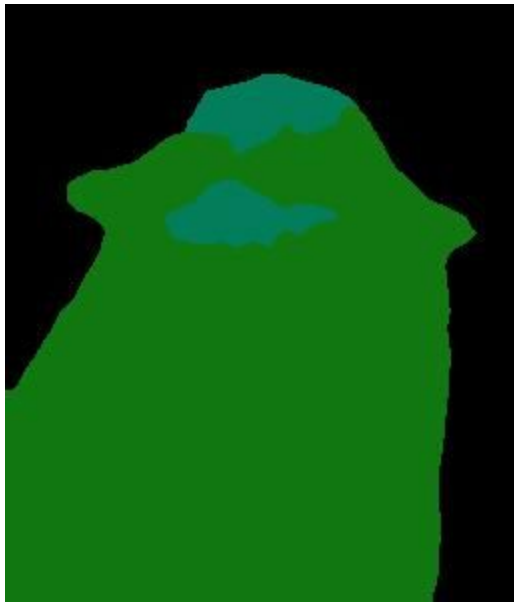
Person:



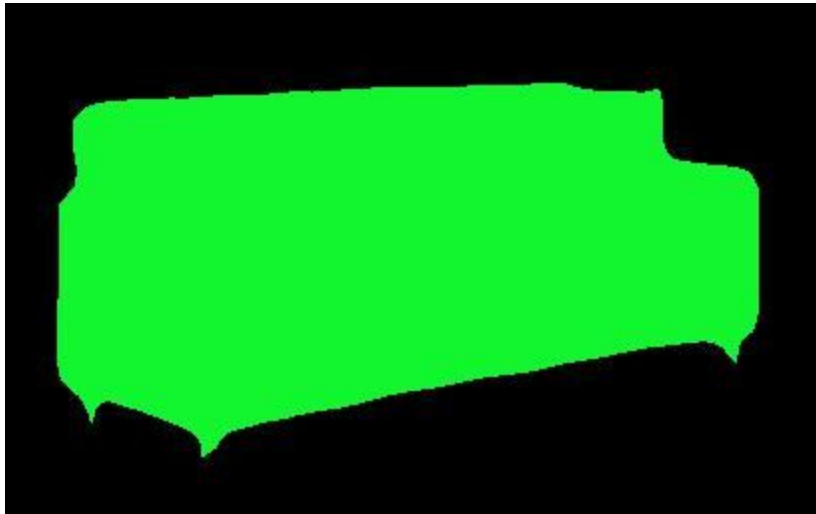
Potted Plant:



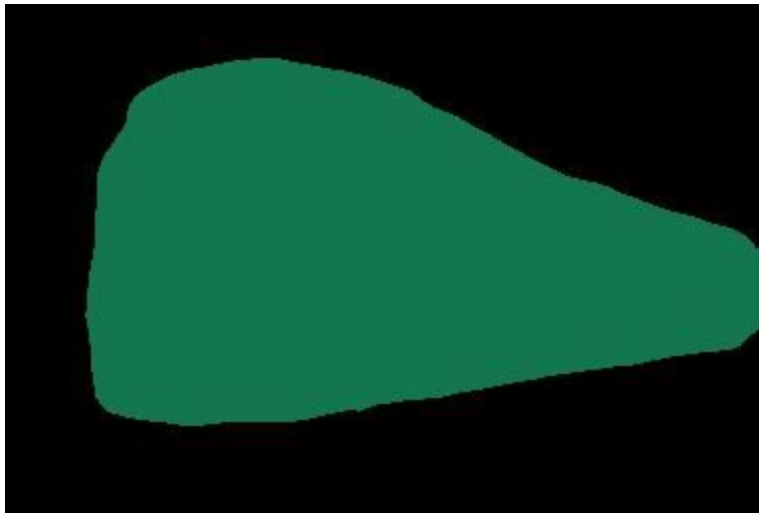
Sheep:



Sofa:



Train:

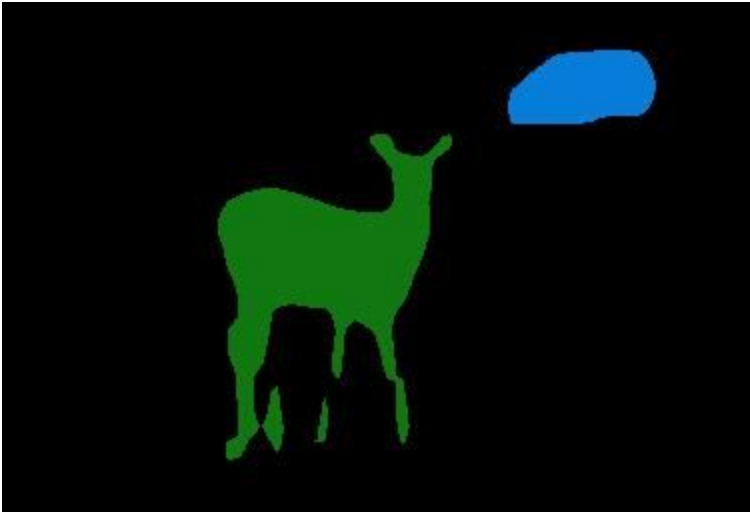


Other:

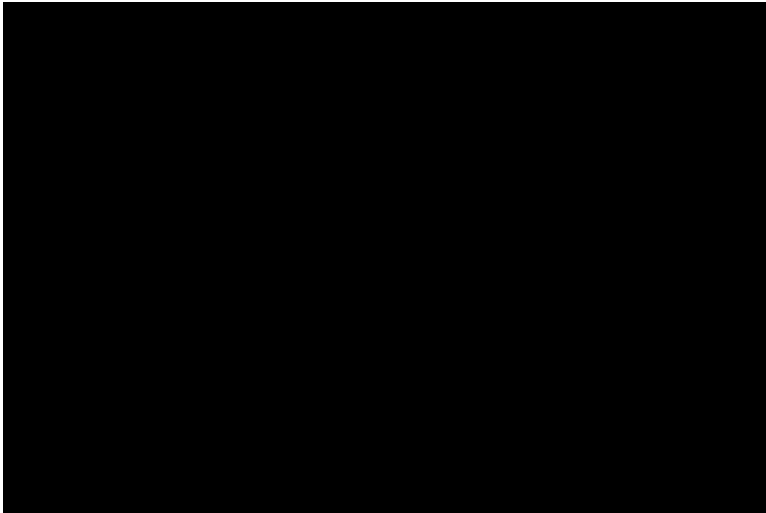
People (Royal Blue) Cars (Slightly Lighter Blue) Bicycle (Green) Truck  
(Teal)



Deer + Car



No parts of this image have a classification.



Tv and plant



