

Documentation for YOLOv4 tiny custom object detection

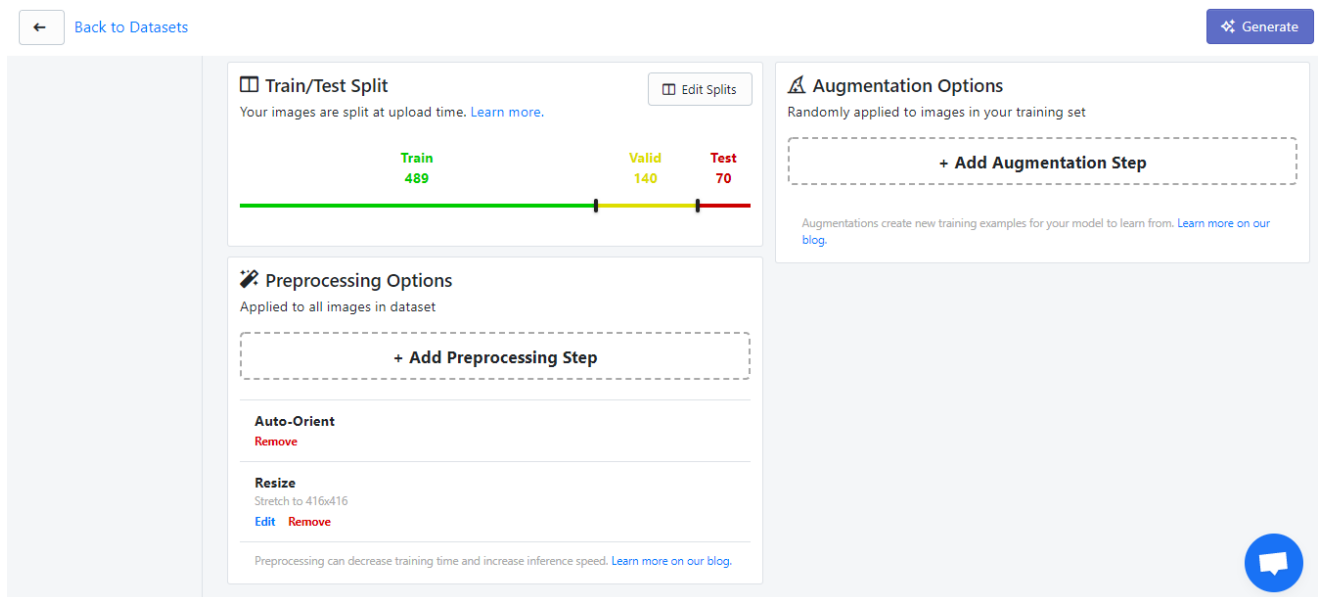
Step1: Collect dataset and label required object using labelImg tool

<https://github.com/tzutalin/labelImg>

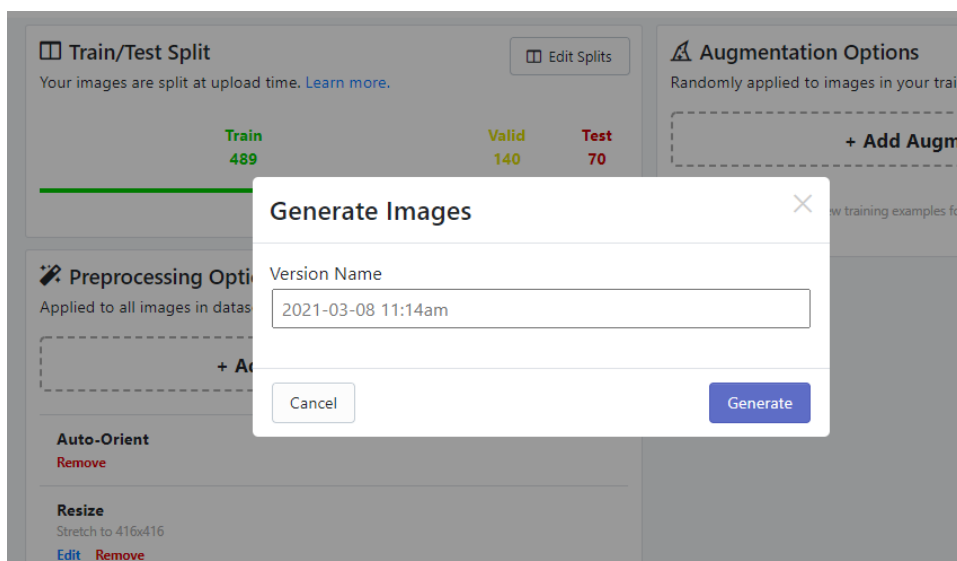
Step2: Upload dataset on roboflow website

<https://public.roboflow.com/>

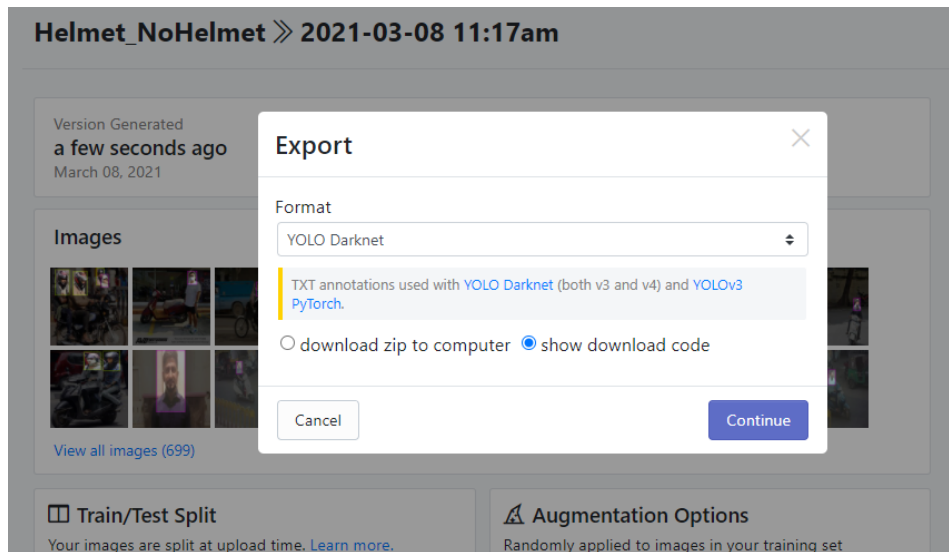
- It will resize image according to given specification and we can choose darknet or mobile etc. according to Algorithm we used for training model for V4 tiny choose darknet and image size 416X416



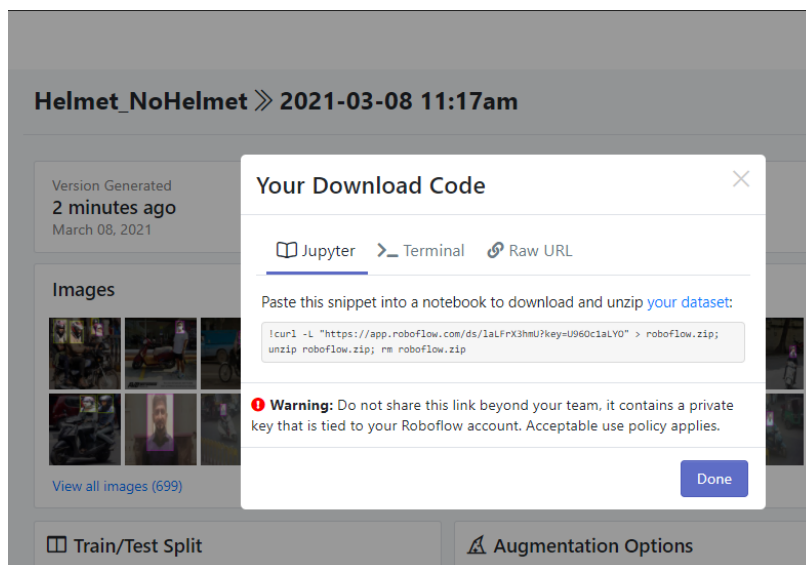
- After completion click on download click on generate button



- Again click on generate button



- From dropdown menu select Darknet format and select show download code option click on continue



- Copy dataset link from here

Step 4: Open colab book

https://colab.research.google.com/drive/18PyJbgJgqhrSispWSgP1wNRTaI_1Hv-O

```
<> for generating dataset
[ ] https://public.roboflow.com/

[ ] %cd /content/darknet
    !curl -L "https://app.roboflow.com/ds/QtadUhQZ1g?key=4y5RHwNN4y" > roboflow.zip; unzip roboflow.zip; r

/content/darknet
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
```

- Past that link here inside inverted quotes

Step 4: run each cell from beginning as it is

Step 5: Once training is done download go to darknet > backup > . inside this download best model

Form darknet > cnf folder download config file

From darknet> data folder obj.data and obj.name