ACME

OPEN DATASET
MOTORCYCLE
NIGHT RIDE.

This is part of Acme AI's **Open Dataset initiative** - a programme that curates and labels in-demand and open-access training datasets to help budding experimenters trial their models.

www.acmeai.tech

FULL SEMANTIC MOTORCYCLE RIDE.

The motorcycle ride dataset is a collection of 200 frames taken from open data from YouTube to enable testing for object detection and or mobility-centered AI solutions - specifically on computer vision-powered motorcycle helmets.

Dataset development can be a difficult endeavour given the cost of collection and labelling. Acme AI recognises this bottleneck and is therefore creating open datasets for AI researchers, enthusiasts, and start-ups - enabling them to test their ideas.

DATA SOURCE.

Source data was collected from open media - particularly a video of the **WatermelonMotoHead** channel on YouTube. This particular dataset was a night scene named '**Harley Davidson 48 Night Ride**' which is based on a cruise in **Tucson, Arizona, USA**. The dataset is captured during night-time and therefore is subject to artifacts.
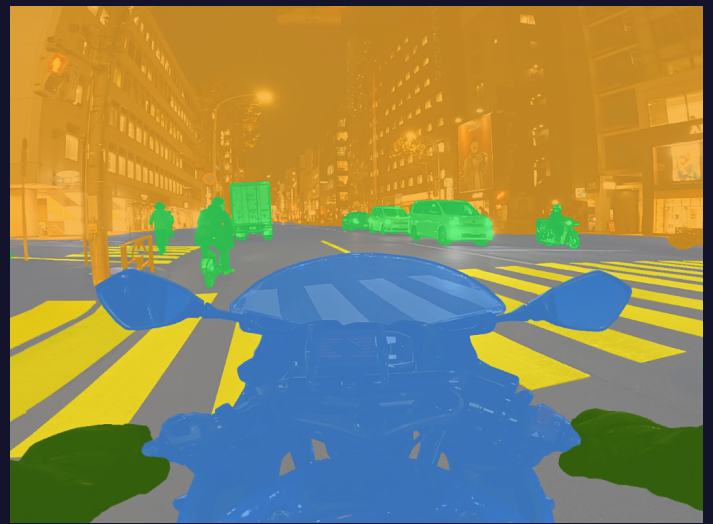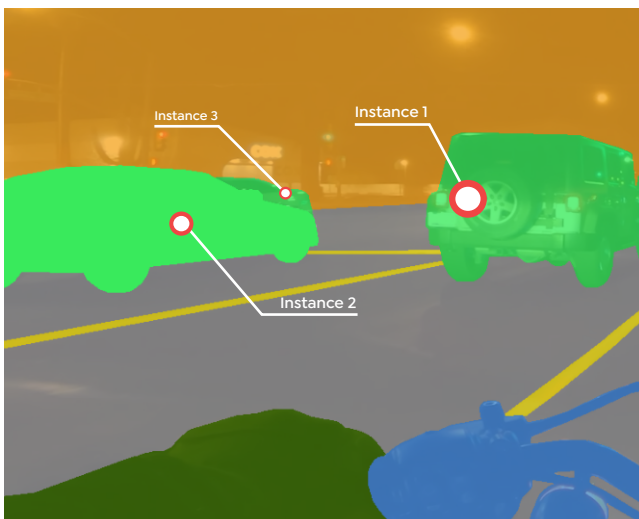

SIX CLASSES.

Undrivable	**Road**	**Lanemark**
My bike	**Rider**	**Movable**

Six standard classes are used in this dataset with movable denoting moving objects e.g. vehicles, people etc., undrivable denoting areas where one cannot ride to. Other classes are self-explanatory inclusive of road, lanemark (inclusive of reflectors), rider, and, of course, the bike itself.

MULTIPLE INSTANCES UNDER SAME CLASS.

The movable class feature multiple instances associated with it, separated by mostly vehicles. Other instances can be made following the same logic - the most prominent being lanemarks which can have different definitions based on needs.

Acme AI: Open Dataset Initiative
Motorcycle Night Ride

SuperAnnotate

We have used SuperAnnotate's **pixel editor** as the tool for the semantic segmentation. It works on a raster logic as opposed to a vector one. Exporting include the **COCO format**. We have prepackaged the dataset inclusive of fused images.

DOWNLOAD DATASET

Get the dataset from the following link:
tinyurl.com/OD1MotorcycleRideSSeg

WANT SOMETHING DIFFERENT?

Requisition a custom dataset through us such as with multiple instance segmentation, exploration of vector editors for object detection like with bounding boxes and polygons, addition of street signals, multi-layered classes, mapping speed risks, among other things. **Submit your requirements in this link to get a free pilot project and a quote.**