

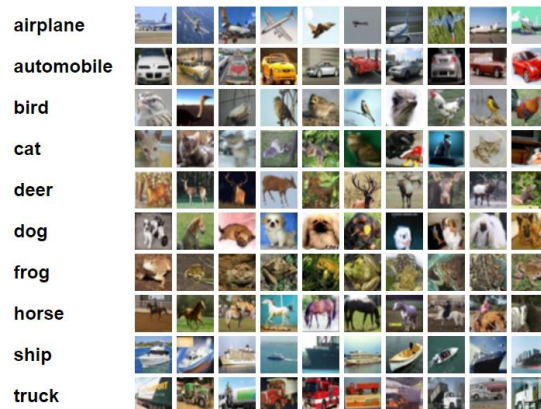
Task:

Object Recognition in images.

Objective:

Perform multi-label image classification on the 10 classes.

Example:



Suggested Steps:

1. Import and preprocess the dataset.
2. Check distribution of data.
3. Define model architecture.
4. Model training.
5. Evaluate model
6. Infer on the test set.

Note: These steps are just for base reference. The candidate is encouraged to add steps to better explain the work if needed.

Dataset: CIFAR-10

The CIFAR-10 dataset consists of 60000 32x32 colour images in 10 classes, with 6000 images per class. There are 50000 training images and 10000 test images.

Link: <https://www.cs.toronto.edu/~kriz/cifar.html>

Submission:

Submit the original notebook in .ipynb format and also send the results by exporting the notebook in .html format.

Note: Try explaining your intuition for every step in the submission. Provide citation if used from elsewhere.

Disclaimer: The Submission is the sole work of the candidate and is not related to any active work carried out in the organization. Any code and module submitted remains the sole intellectual property of the candidate.