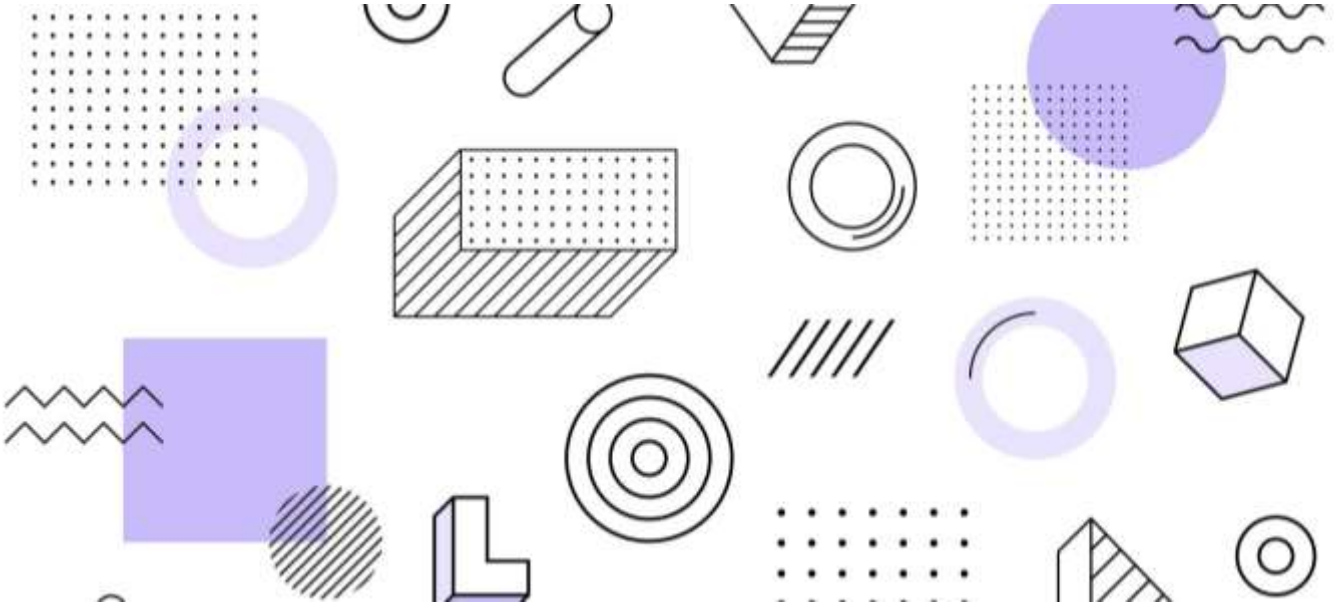
Building a Brand Detection Model with YOLO



Prepared by **Mohamed Suhaib**

Problem Statement

The goal of this hackathon is to use neural networks, computer vision, YOLO to detect objects. This means you have to use YOLO to identify the objects in the image.

Scope of this project

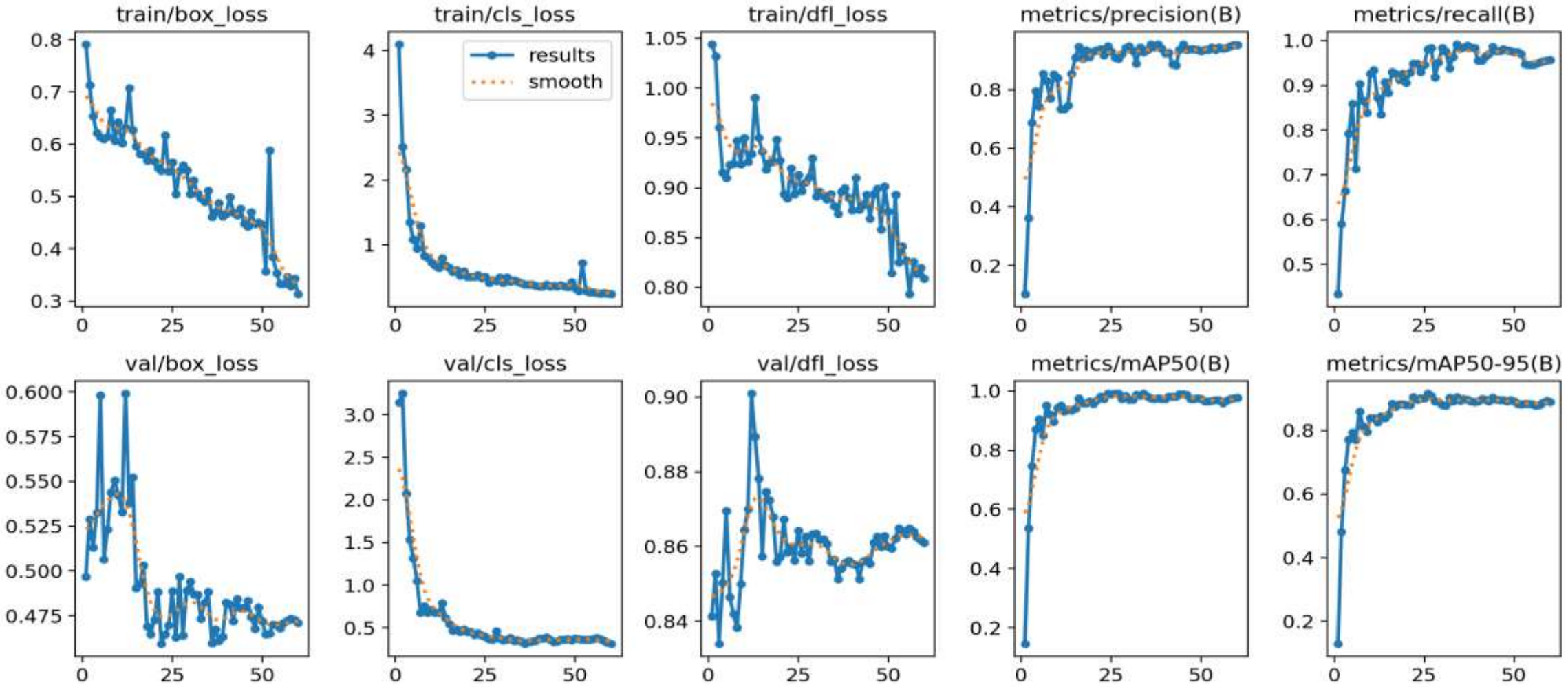
- You'll be using the chocolate brand **Dataset** from. The dataset contains 162 pictures of popular candies (Skittles, Snickers, etc.)

- **Download Link for dataset: Dataset**
- **Download Link for Train-Validation Folder Structure Split : train_val_split.py**
- *(This script needs to executed before the training process starts, you can refer the practical guide)*

Data.yaml:

- **path: /content/datatrain:**
- **train/images**
- **val: validation/images**
- **nc: 11**
- **names:**
- **- MMs_peanut**
- **- MMs_regular**
- **- airheads**
- **- gummy_worms**
- **- milky_way**
- **- nerds- skittles**
- **- snickers**
- **- starbust**
- **- three_musketeers**
- **- twizzlers**

Training and Validation Loss and mAP, Accuracy:



Prediction of Images using Yolo: