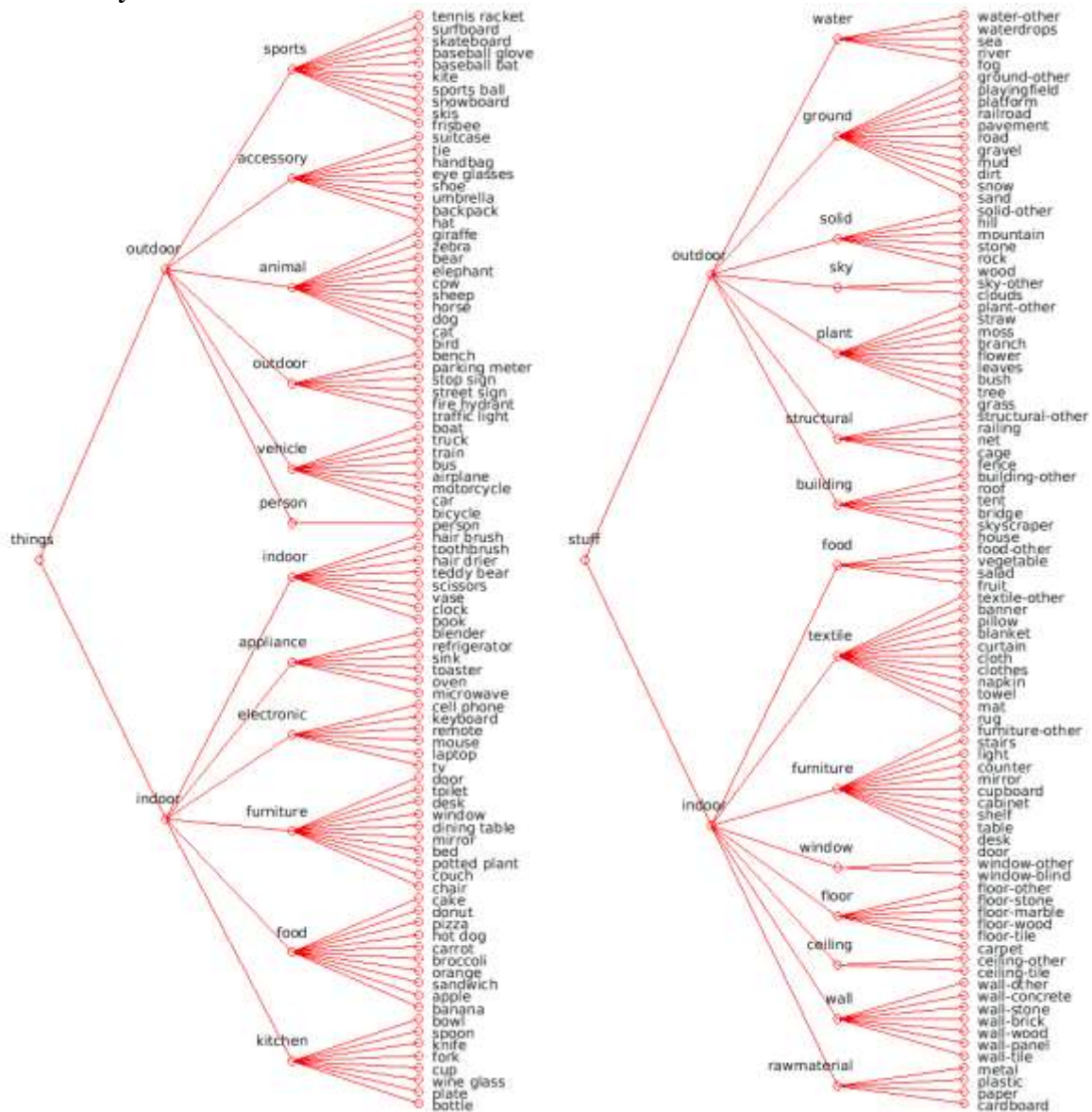# Dataset

{Data Mining project, Group – 26}

We will be using COCO(Common objects in Context) dataset.
The MS COCO (Microsoft Common Objects in Context) dataset is a large-scale object detection, segmentation, key-point detection, and captioning dataset. The dataset consists of 328K images.

COCO is a large-scale object detection, segmentation, and captioning dataset. COCO has several features:
- ❖ Object segmentation
- ❖ Recognition in context
- ❖ Superpixel stuff segmentation
- ❖ 330K images (>200K labeled)
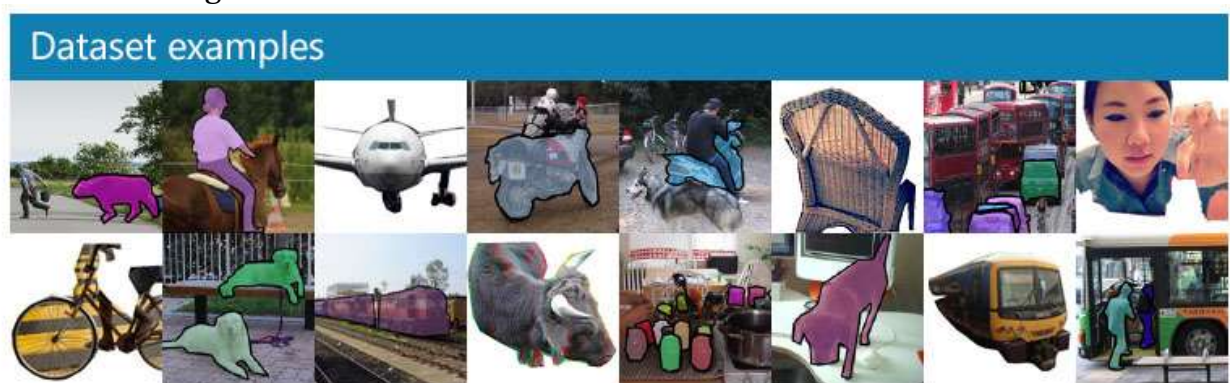- ❖ 80 object categories

Hierarchy in COCO Dataset :

80 Classes that can be predicted through this Dataset are :

person, bicycle, aeroplane, cat, dog, horse, donut, cake, chair, sofa, bus, train, fork, banana, apple, sandwich, truck, car, motorbike, boat, traffic light, sink, book, clock, pizza, remote, keyboard, fire hydrant, stop sign, parking meter, bench, bird, toilet, tv monitor, laptop, mouse, handbag, tie, suitcase, frisbee, skis, snowboard, sheep, cow, elephant, potted plant, bed, dining table, vase, scissors, teddy bear, bear, zebra, backpack, hair drier, toothbrush, umbrella, knife, spoon, bowl, sports ball, kite, baseball bat, baseball glove, skateboard, surfboard, tennis racket, cup, orange, broccoli, cell phone, microwave, oven, toaster, carrot, bottle, wine glass, refrigerator, giraffe, hot dog

We have already trained our model on COCO dataset.
Few dataset images :

Download Dataset from here.