Object Detection

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Introduction

Object Detection is used to scan digital images of real-life scenarios to locate instances of every object, separate them, and analyze their necessary features for real-time predictions.
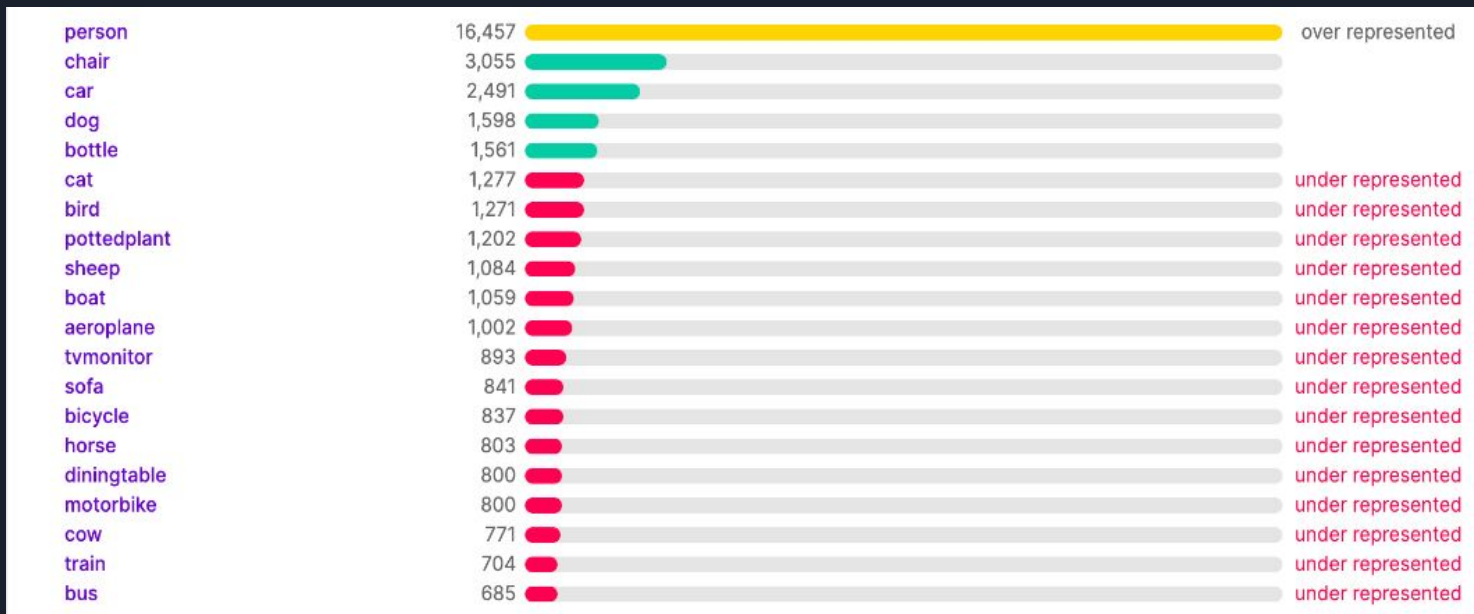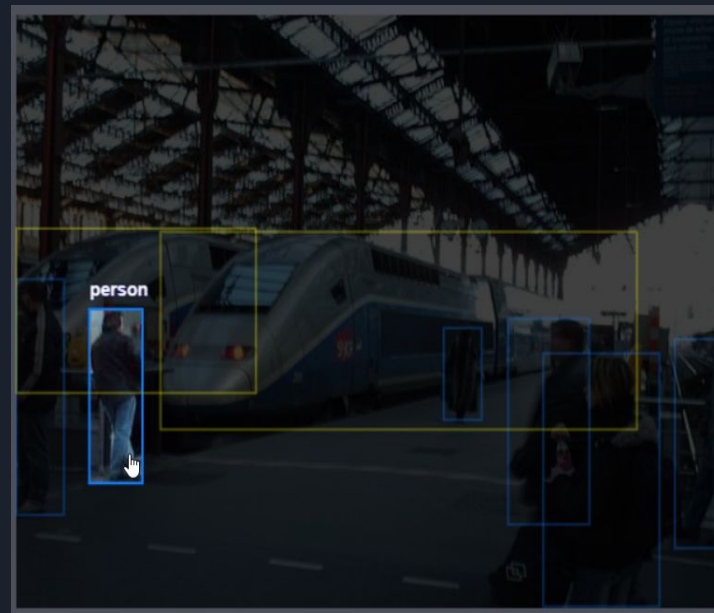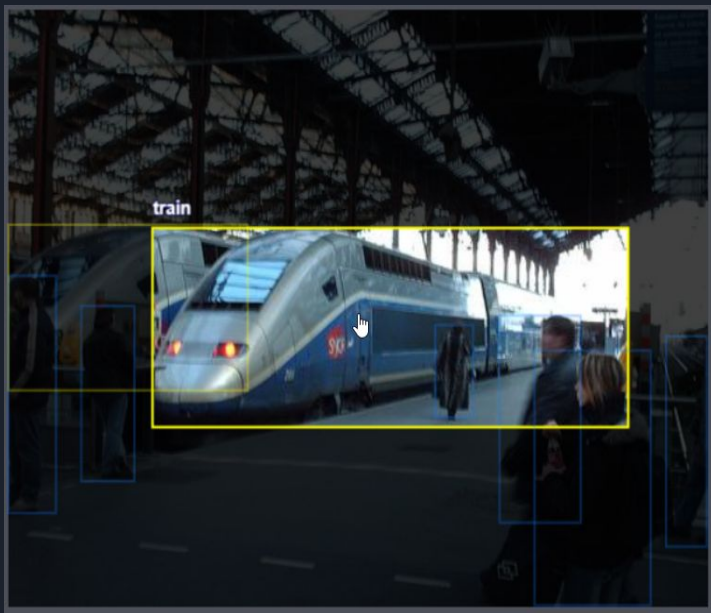
Problem Definition

Training a model that can identify objects from every day images can be used in several applications such as but not limited to; pedestrian detection, animal detection, vehicle detection, people counting, face detection, text detection, pose detection, satellite imagery analysis, or number-plate recognition.

Data

The data size is 17112 images, Represented as follows:

person	16,457	over represented
chair	3,055	
car	2,491	
dog	1,598	
bottle	1,561	
cat	1,277	under represented
bird	1,271	under represented
pottedplant	1,202	under represented
sheep	1,084	under represented
boat	1,059	under represented
aeroplane	1,002	under represented
tvmonitor	893	under represented
sofa	841	under represented
bicycle	837	under represented
horse	803	under represented
diningtable	800	under represented
motorbike	800	under represented
cow	771	under represented
train	704	under represented
bus	685	under represented

Data Output Example

Thank You