STREET SENSE

Data Dictionary

This document serves as a user guide to the Curb Utilization Data provided by Street Sense. There are two documents included in your data package:

1. double_parking.csv
2. double_parking_context.csv

These files outline double parking events on Liberty Avenue in Pittsburgh, PA – including select dates from September to December of 2021. All available dates are included.

File Descriptions

double_parking.csv – This data set provides the list of double-parking infractions detected by camera nodes 1 & 3 from September 10th to November 15th. Each double-parking event includes a tracking ID and the corresponding data listed in the table below.

Column	Description
node_track	Tracking ID for the detected object
node	Camera node that identified the object
arrive_time	Arrival time of the double-parked object
departure_time	Departure time stamp for the double-parked object
first_path	Path to the first image the object was detected in
total_paths	The number of images the tracked object was detected in
zone	The area within the image that the tracked object is located (e.g., top lane for a double-parked car)
detected_class	Classifies the object as car, truck, bus, or person
duration	Number of seconds that the tracked object was double parked
ped_index	Number of pedestrians identified during the double-parking incident that are not on the curb (e.g. in the road or parking lane) Note: ped_index=10 could be 1 person in 10 images, or 10 people in one image
parked_vehicles	Number of legally parked vehicles during the double-parking incident

double_parking_context.csv – This is the raw data file containing every object detection from each image recorded by nodes 1 & 3.

Column	Description
index	Unique index ID for each object detection within each recorded image
path	Path to the image containing detected object
datetime	Time stamp for the image
node	Camera node that identified the object
x_min	Left bound for the detected image
y_min	Top bound for the detected image
x_max	Right bound for the detected image
y_max	Bottom bound for the detected image
detected_class	Classifies the object as car, truck, bus, or person
Assigned_track	Tracking ID for the detected object
zone	The area within the image that the identified object is located (top_lane, bottom_lane, parking, curb)
overlap	Percent of object located in the assigned zone
node_track	Tracking ID for the detected object
x_avg	Horizontal center of detected object
y_avg	Vertical center of detected object
size	Length of object in pixels