Curb Analytics

Commercial vehicle curb stop insights

VIANOVA

Overview

Vianova Curb Analytics is an advanced data product designed to provide detailed insights into commercial vehicle curb activity. By aggregating data from connected commercial vehicles, our product offers comprehensive information about stops made by vans, trucks, and other logistics vehicles, including those involved in last mile deliveries, hub-and-spoke operations, and property servicing.. This valuable information enables city planners, transportation agencies, and logistics companies to optimise curb space usage, improve traffic flow, and enhance urban logistics efficiency.

Key Features

- **Detailed Stop Information**: Vianova Curb Analytics provides precise data on the location of stops made by commercial vehicles, including exact coordinates and street segment details.
- **Stop Duration Analysis**: captures the duration of each stop, offering insights into how long commercial vehicles occupy curb space at different locations.
- **Comprehensive Contextual Data**: Get contextual information such as time of day, day of the week, and type of vehicle, enabling a deeper understanding of curb usage patterns.

Key Attributes

Dimension	Type	Example	Notes
event_id	string		Unique ID of the stop event generated as a random function
timestamp	datetime		Date and time at which the stop began
latitude	float	42.516693	Latitude of the stop location
longitude	float	-74.230331	Longitude of the stop location
vehicle_type	string	van	Type of vehicle - van/truck etc
fuel_type	string	diesel	Fuel type of the vehicle - diesel,gasoline,electric etc.
duration	integer	164	Duration of the stop event in seconds

Coverage

Austria | Belgium | France | Germany | Italy | Netherlands | Spain | United Kingdom | Sweden | Denmark

United States | Canada

Delivery

- [x] Vianova Intelligence Platform
- [x] REST API
- [x] Snowflake Marketplace

Use Cases

- **Urban Planning**

  City planners can utilize Vianova Curb Analytics to design and implement curb management strategies, such as designated loading zones and dynamic curb usage policies, based on actual commercial vehicle activity and demand.

- **Logistics Optimization**

  Logistics companies can leverage curb analytics to streamline their operations, improve route planning, and reduce the time spent on curb activities, thereby increasing overall efficiency and reducing costs.

- **Policy Development**

  Policymakers can use curb activity data to inform the development of regulations and policies aimed at improving curb space allocation, ensuring equitable access for different types of vehicles, and promoting sustainable urban logistics.