Truck Parking

Truck parking shortages and unsafe parking behavior remain persistent challenges across freight corridors and inside communities. Public agencies and freight stakeholders need reliable, systemwide insights into where, when, and how long trucks are parked.

INRIX Truck Parking uses INRIX fleet data to provide a data-driven view of real-world truck parking behavior at scale. The tool identifies observed individual parking events that can identify patterns by location, time, and duration across an entire state or region. Users can focus on individual sites of interest such as truck rest areas, industrial sites, or adjacent neighborhoods with histories of complaints.

Insights from INRIX Truck Parking enable transportation agencies and fleet stakeholders to move beyond anecdotal evidence toward data-driven actions based on parking demand and behavior.

Features

Observed Truck Parking Events
Study real-world parking events using anonymized fleet data.

Statewide & Regional Coverage
Analyze parking activity across geographies of any size within a single, consistent platform.

Seamless Integration with Visualization
Leverage platforms like University of Maryland's CATT Lab Trip Analytics to display interactive maps and charts that show where, when, and how long truck parking is occurring at both formal facilities and unofficial locations.

Temporal Parking Duration Analysis
Quickly understand how long vehicles remain parked, including short stops, overnight stays, and extended dwell times. Break these analyses down by micro-location, within formal rest areas and outside, by time of day/day of week.

Use Cases

- Identify areas with high concentrations of truck parking activity.
- Include data context for safety, compliance, and infrastructure decisions and grant funding and proposals.
- Know which vehicle types and weight classes are parking in which areas. Manage space to optimize service utilization.
- Understand overnight and extended parking behavior along freight corridors.
- Drive data analysis for statewide truck parking and freight planning studies.
- Monitor truck parking patterns in nuisance areas outside of designated facilities.

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Value for DOT Decision Makers

Systemwide Visibility – Gain a comprehensive view of truck parking behavior across the entire state or region.

Stronger Freight Planning – Support freight plans, corridor studies, and truck parking evaluations with observed data.

Safety & Compliance Context – Understand parking behavior that may contribute to unsafe or unauthorized parking locations.

Investment Justification – Provide defensible data to support funding requests, infrastructure improvements, and policy actions.

Trusted Platform Integration – Delivered within the same Trip Analytics environment already used for corridor, freight, and mobility analysis.

Value to Enterprise and Financial Services Markets

Details on Parked Activities – Know whether a truck is staging before unloading or truly parked.

Micromovements Revealed – Track parking movements around industrial sites to derive insights on logistics and supply chains.

Benefits

Real World Observations – Based on observed truck behavior rather than modeled assumptions or limited survey data.

Consistent, Scalable Insight – Always-on data streams provide a uniform view of truck parking activity across regions, corridors, and time periods. Evaluate changes to infrastructure or episodic events.

Actionable Planning Support – Novel data source provides evidence to prioritize studies, investments, and policy decisions.

Improved Understanding of Truck Parking Demand – Reveals truck parking demand for comparison with supply.

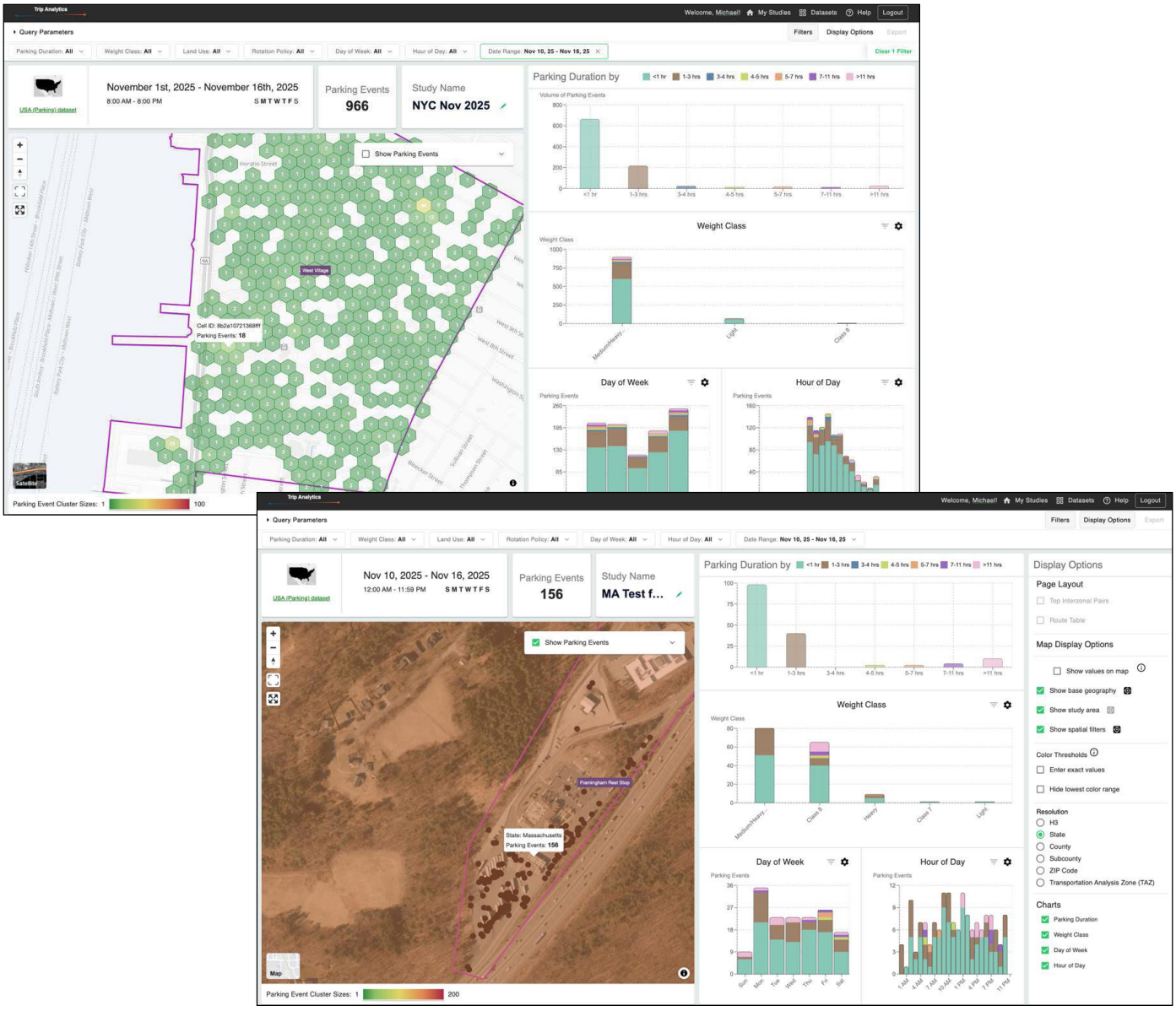
Faster Analysis – Leverages trillions of daily individual GPS data points to provide aggregated insights about parking events.

Best Practices

- Visualize where trucks are stopping—across highways, freight corridors, and local roads—using observed parking events on a statewide scale.
- See parking behavior at both formal facilities and informal locations where demand exceeds supply.
- Identify locations with high concentrations of truck parking activity to understand system pressure points.
- Analyze short stops, overnight stays, and extended dwell times to better understand parking needs.
- Differentiate quick stops from long-term parking to support planning and policy decisions.
- Understand parking patterns by time of day and day of week to reveal peak demand and overnight behavior.
- Identify when parking availability is most constrained.
- Explore parking patterns without the complexity of raw data processing.
- Drill into specific freight corridors to understand localized parking behavior and constraints.
- Use observed data to inform studies, prioritization, and stakeholder discussions.

Visualization Integrations

From dense urban environments to rest stops along rural highway routes, INRIX Truck Parking can be viewed in visualization tools to show individual and grouped truck parking behavior.



About Trip Analytics

Pictured above: University of Maryland CATT Lab Trip Analytics Visualizing INRIX Truck Parking. INRIX Trip Analytics, powered by the University of Maryland CATT Lab, transforms massive volumes of anonymized GPS data into ready-to-query transportation intelligence. The platform removes the complexity of raw data processing, enabling agencies to quickly generate reliable insights for planning, operations, and performance analysis.

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