Historic Traffic Patterns

Get the most complete archive of congestion and road safety insights in your towns and cities by visualizing highly accurate and up-to-date historic traffic data analysis with ease.

Understand your current road network challenges and address future smart mobility goals by analyzing real-road conditions using historical traffic patterns and trends.

To address future urban mobility challenges, you must understand what came before. Derived from millions of connected vehicles, and with 95% coverage across US Road Infrastructure, Historic Traffic Patterns from Wejo provides you a window into the past so you can understand and visualize travel times, road speeds, vehicle volume density, as well as harsh braking, and rapid acceleration observations.

We provide access to in-depth historical traffic data analysis derived from millions of connected vehicles on your roads and highways to help you understand, visualize, and put in place smart mobility plans, so you can address road network challenges today, and tomorrow.

Want to talk about **Wejo Historic Traffic Patterns API?** **Get in touch**

Powered by highly accurate historic traffic data from millions of connected vehicles

Features & Benefits

Using intelligent aggregated connected vehicle data sourced from the world's largest connected car fleet, Wejo has made access to historic traffic patterns and trends easy for any organization.

✓ **Extensive Coverage**	With comprehensive coverage of U.S. roads and highways, you'll no longer be limited to where cameras, sensors or other traditional methods of data collection are located.
✓ **Metrics You Want**	Segment based insights, average speeds, mean speeds, speed percentiles, speed limits, travel times and Wejo vehicle volumes.
✓ **Data Accuracy**	Direct access to connected vehicle data from 12M vehicles.
✓ **Self-Service**	Get on-demand queries via the HTP API or a single set-up for repeatable file deliveries.
✓ **Access Insights**	Minimize file/transfer sizes and get answers quickly, using parameters such as; by date range, time range, time window, sample size and confidence values.

Typical Use Cases

We support multiple use cases and industry sectors, helping you explore, analyze, and visualize easy to digest aggregated historic traffic patterns and insights to extract meaningful and actionable trend analysis.

Government

By identifying major mobility pain points from historical data, you can take a deeper look at real-road conditions, assess the impact of traffic calming measures, analyze the impact of road network changes, and improve traffic management in your communities.

Mapping & Navigation

With access to historic traffic patterns and commuter behavior insights, you will be able to provide coverage-dense insights into where and how cars are moving across any interstate highway and freeway, through to arterial roads and local streets.

Logistics

Make more informed decisions around optimum dispatch timing, what routes your haulage vehicles should take and avoid, allowing route planners, dispatchers, and program managers to accurately plan routes in advance.

Civil Engineering

Back those Infrastructure Bill funding conversations, with real-world insights. Help public agencies and departments see what's truly happening on their roads and highways, so they can get the financial aid they need to make their communities more livable.

Commercial Real-Estate

Site location traffic flow, travel patterns across busy roads and highways and an understanding of commuter vehicle volumes can provide insights to help you support conversation with clients wherever they are located.

> Wejo has made streaming historic traffic pattern data smooth and simple with API access. And for those who want something more visual, we have **Historic Traffic Patterns** available through Wejo Studio, our Mobility Insights Platform.

Data Attributes

The unique attributes you will receive through Wejo Historic Traffic Patterns API feed:

Name	Description
meanSp	Mean speed recorded on the road segment
medSp	Median speed recorded on the road segment during the time window.
stdev	Standard deviation from the mean for the road segment during the time window.
spqual	Speed value quality indicator for the data sample.
pctiles	Percentile mean values from 15%-85%
samplesz	Sample size used to compute the values.
meantt	Mean travel time recorded across the road segment during the time window.
medtt	Median travel time recorded across the road segment during the time window.
univehs	Unique vehicles seen on the road segment during the time window.
vehicleDensity *1	The total number of vehicles on the road segment for the data point.
hardAcceleration *1	The total number of hard acceleration events on the road segment for the data point.
hardBrake *1	The total number of hard braking events on the road segment for the data point.

*1 **Coming Soon** – Vehicle Volume Density, as well as Harsh Braking, and Rapid (hard) Acceleration.

Delivery Formats

Wejo Historic Traffic Patterns is returned in GeoJSON or CSV format and made available on the Open Street Map.

Getting Started

Wejo will work with you to outline the best approach for defining your historic traffic patterns and trend analysis requirements:

1 **Learn**	Tell us your data requirements and use cases.
2 **Define**	• Choose your desired locations. • Choose your subscription options. • Choose how long you want to license your insights for. • Tell us who you'd like us to share the API details with.
3 **T&Cs**	Review and sign our standard T&Cs.
4 **Innovate**	Choose your start date and drive innovation.
5 **Review**	Ongoing customer success management and support.

Why Wejo?

We unlock the value in connected car data

We organize billions of data points from millions of connected cars, partnering with global automotive manufacturers and tier one suppliers to stream data at scale and speed. We transform and enhance big data, turning it into meaningful products that power innovations, drive efficiencies and innovate mobility.

We stand for data for good

We partner with ethical, like-minded businesses and organizations who share our ambitions to revolutionize the way we live, work and travel.

Data Accuracy & Integrity

Identify urban traffic patterns, recommend traffic management improvements, propose safety enhancements to road networks and make data informed decisions based on incredibly granular historic pattern data analysis.

Speed of Visibility

Explore, analyze and visualize historic traffic pattern insights across any town, city or municipality in the United States for a given time and period so you can recommend actionable measures to reduce crashes and save lives, avoid congestion and make data informed decision quickly.

Operational Efficiency

Manual counts, field devices, cameras and sensors will be a thing of the past, when you have access to historic traffic patterns to find answers to your questions. Access in-depth insights from roads and highways across your community by analyzing historic data from millions of connected vehicles.

Driving Innovation

Our ever-expanding collection of historical traffic pattern data and insights, derived from millions of connected vehicles from across the U.S. offers huge untapped potential for both public and private sector organizations, and society at large.