

## Historical Data Analysis & Reports with eXactpark™

*Accurate data that enable the best decision-making for your parking assets*

While real-time monitoring brings its own set of great benefits (ask us about our brief on Real-Time Monitoring), the capture of real-time stall usage data consistently over time (or Historical data) empowers parking administrators and organizations in many ways.

Historical data is a key factor for:

- Accurate 24-7-365 parking utilization data
- Evaluating the use of current parking spaces and zones
- Identifying trends and patterns
- Curbside management
- Planning for policy changes
- Planning for new builds like the size of a parking garage or if it is even needed
- Reporting to stakeholders like council members and local businesses

### **How eXactpark Captures Data Over Time**

On top of its Real-Time Monitoring capabilities (which provides true, 24/7/365 visibility into parking asset availability and usage), eXactpark offers insights and analysis of a wide range of historical data. This gives parking managers looking to truly optimize their parking assets a clear picture of how spots are being used over time. When a driver pulls into a parking stall, this data is collected by the in-ground or surface mounted SPS-X sensor and wirelessly transmitted to the eXactpark dashboard via nearby gateways. No driver information is collected, making eXactpark a truly high privacy solution. With the SPS-X functioning in a variety of harsh weather conditions, data is collected reliably and effectively.

eXactpark provides the following options for historical data analysis:

- Average hourly occupancy
- Peak occupancy levels and times
- Zone counts
- Dwell time (length of stay)
- Turnover
- Service Level
- Pattern Analysis
- Expected Market
- Pinch Point Indicators
- Payment transaction
- Payment compliance
- And more...

Parking managers can drill into hourly data, or zoom out to analyze data points over days, weeks, months, or even customized time periods aligning with special events. This powerful historical data enables fully informed parking management strategies and policies, improved driver experience, related bylaw changes, and decreased traffic and congestion.

### Your Data, Your Way

Outside of eXactpark™, parking data collected by SPS-X™ sensors can be accessed from our API to create your own dashboard that analyzes your parking assets the way you want. Click [here](#) to learn how the City of Spruce Grove, Alberta created their own dashboard to monitor parking utilization and optimize parking assets.

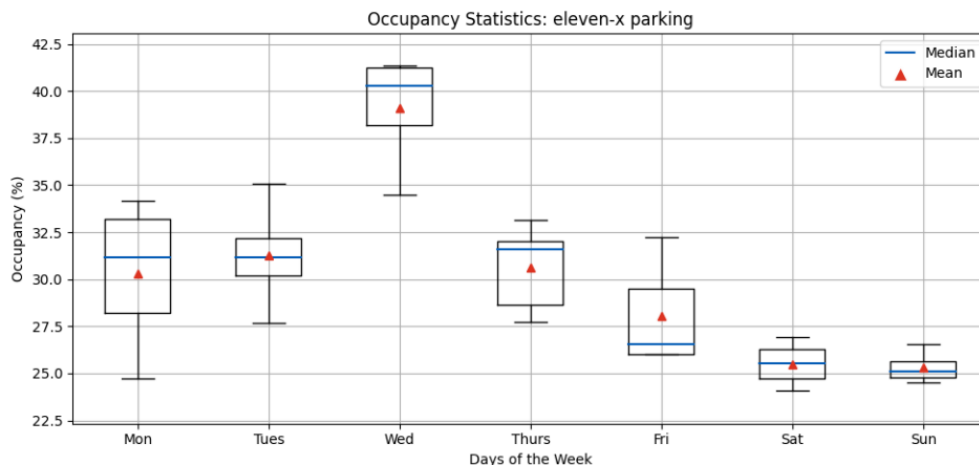
The screenshot shows a dashboard interface for selecting historical data. At the top, there are tabs for 'Stats', 'Spot', and 'Type', and a 'Settings' gear icon. Below this is a 'Select date range:' section with a 'Period' dropdown set to 'Hourly'. It includes 'From Date' and 'To Date' fields, both set to '2024-08-15'. A row of checkboxes allows selecting days of the week: Mon, Tue, Wed, Thu, Fri, Sat, and Sun, all of which are checked. Below this is a section for 'Select time range for each day over the period (Default: Whole day):', with 'From Time' set to '00' and 'To Time' set to '23'. At the bottom are 'Refresh' and 'Export Parking Data' buttons.

Selection options for Historical Data in eXactpark dashboard

### Review historical data outside of the eXactpark platform with easy to generate Reports

Most parking organizations today are looking for accurate, consistent data to help manage their operations. Real-time monitoring and data analysis is a critical function for this, but how can this valuable data be used? Our reporting feature is an easy way to bring context to the data captured by highlighting key data points and KPI's to help streamline operations.

#### Result



Sample Occupancy Report generated within eXactpark

eXactpark's Reports feature enables the distillation of Historical Data Analysis into customizable, downloadable documents which can be shared with key stakeholders without requiring them to log into the dashboard. Reports allow the rapid identification of trends and patterns within your parking data and make data-based decision-making easier than ever before.

Reports of the following types can be generated and downloaded:

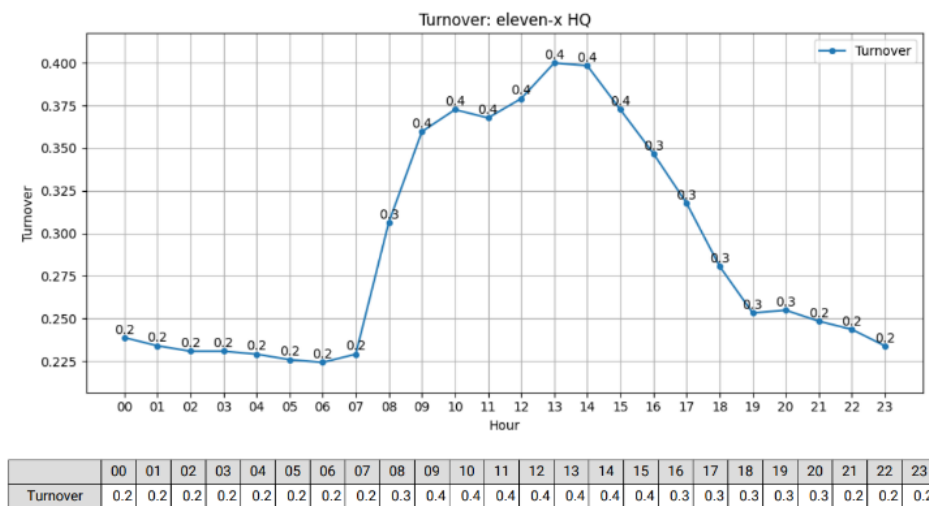
- Occupancy
- Turnover
- Dwell Times
- Payment Compliance
- Occupancy Statistics
- Occupancy Intensity
- Enforcement Alert Counts

Once the report type has been selected, they can be generated by Zone (which includes areas or parking lots), and then customized between certain dates to include only certain days of the week, a specific time range, and a Period Type (Hourly, Days of the Week, and Monthly).

### Schedule Reports to Save Time

To make parking asset data analysis even more convenient, reports can be scheduled to be sent directly to your inbox weekly, monthly, or at other customized intervals. This allows you review data analyses of your choice, in your own inbox, without logging into the eXactpark™ dashboard every time.

#### Result



Sample Turnover Report generated within eXactpark