Paid Parking Information Data

The City of Seattle Department of Transportation (SDOT) is providing this data set of transaction records at parking pay stations for paid street parking within city limits and transactions from the City's mobile payment vendor, called PayByPhone. The dataset is downloaded nightly with the prior days' paid parking transaction data. SDOT has transaction records dating back to January 2012. This data set is provided in conjunction with the Paid Blockface data.

Purpose

SDOT publishes these data on the City's **data.seattle.gov**. The mission of **data.seattle.gov** is to provide timely and accurate City information to increase government transparency and access to useful and well organized data by the general public, non-governmental organizations, and City of Seattle employees.

Specifically with respect to parking, SDOT is providing these datasets to encourage programmers to develop mobile or other applications that can help people make smarter decisions to find parking faster and spending less time circling, stuck in traffic.

For more information about Seattle's paid parking system, please see this link. Most Seattle on-street paid parking operates Monday-Saturday between 8 am and 8 pm, with 2-hour, 10-hour or 4-hour time limits and a variety of hourly rates between $1.00/hour and $4.00/hour. It is critical to understand that the number of paid parking spaces vary by time of day. There are times of no parking payment allowed such as during morning and evening commute periods on downtown arterial streets.

Instructions

For data access, please go to this URL source below. Be sure to enter the "from" and "to" date ranges requested. The date range of your request cannot exceed more than 7 days.

http://web6.seattle.gov/SDOT/wapiParkingStudy/api/ParkingTransaction?from=XXXXXXX&to=XXXXXXX

Request Parameter

Parameter	Details
From	From date range, format mmddyyyy.
To	To date range, format mmddyyyy

Example Usage

web6.seattle.gov/SDOT/wapiParkingStudy/api/ParkingTransaction?from=01012015&to=01072015

CSV response data

```
DataId,MeterCode,TransactionId,TransactionDateTime,Amount,UserNumber,PaymentMean,PaidDuration,ElementKey,TransactionYear,TransactionMonth,Vendor
33160144,6507002,53055211,01/01/2015 22:26:36,5,1,Credit Card,7200,10886,2015,1,
33165608,10034002,53060729,01/01/2015 23:46:59,4.25,1,COINS,6300,49649,2015,1,
33158033,21046004,53052984,01/01/2015 22:37:24,2.75,1,Credit Card,6600,35946,2015,1,
```

Data Caveats

In terms of the paid parking transactions and blockface parking space information, it is critical to understand that a calculation of paid parking occupancy (number of transactions per the number of

spaces over a time period) does most likely <u>not</u> mirror actual vehicle occupancy at that time. There are a number of vehicles parked on a daily basis that do not pay, for either legal or reasons of scofflaw. Developers may want to examine SDOT's Annual Paid Parking Study, a manual parking study, which might be used understand the variance between paid parking occupancy and actual street parking conditions. More info is [here](#).

With these data sets, SDOT does not have any vehicle identification data or other data that could identify a specific vehicle parked on a city street.

Access and Use constraints
The data is publicly available and accessible. By using data made available through this site, the user agrees to all the conditions stated in the following paragraphs as well as the terms and conditions described under the [City of Seattle data.seattle.gov data policy.](#)

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Applications using data supplied by this site must include the following disclaimers on their sites, as found on the **data.seattle.gov** [data policy page](#).:

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Departmental contact for parking data:
Seattle Department of Transportation
Mary Catherine Snyder, Parking Strategist
PO Box 34996
Seattle WA 98124-4996
Phone: 206-684-8110
marycatherine.snyder@seattle.gov

Attributes
Below are the data columns of the paid parking transaction web service

Column	Datatype	Description
DataID	Text	System unique identifier
MeterCode	Text	Unique identifier of the pay station

Column	Datatype	Description
TransactionID	Text	The unique transaction identifier
TransactionDateTime	Text	The date and time of the transaction as recorded
Amount	Text	The amount of the transactions in dollars
User Number	Text	Equals to 1; can be disregarded
PaymentMean	Text	Type of payment (Coin, Credit, Phone)
PaidDuration	Text	The total amount of time in seconds this payment represents. This field may include an extra 2 minute grace period or the prepayment hours before paid hours begin. Some older machines can only report time in 5 minute increments. (Number)
Elementkey	Text	Unique identifier for the city street segment where the pay station is located
Year	Text	The year of the transaction as recorded (derived from TransactionDateTime)
Month	Text	The month of the transaction as recorded (derived from TransactionDateTime)