

OEHCS Tutorial 1: Working with OEHCS and Spark Streaming

FINISHED

This tutorial was built for BDCS-CE version 17.4.1 and OEHCS 0.10.2 as part of the New Data Lake User Journey: here (<https://github.com/oracle/learning-library/tree/master/workshops/journey2-new-data-lake>). Questions and feedback about the tutorial: david.bayard@oracle.com (<mailto:david.bayard@oracle.com>)

Please ensure that you have **run** the "Citi Bike Introduction and Setup" **tutorial** first. That **tutorial** setups the environment needed **by** this **tutorial**.

Contents

- About OEHCS
- About Spark Streaming
- Setting up your OEHCS for access from BDCSCE
- Creating a topic in OEHCS
- Writing a Producer to stream data to OEHCS
- Example: Consuming streaming data from OEHCS
- More complex example: Spark SQL and Writing to Object Store
- Next Steps

As a reminder, the documentation for BDCS-CE can be found here (<https://docs.oracle.com/cloud/latest/big-data-compute-cloud/index.html>)

Please run these paragraphs one at a time. It will **not** work **if** you try **to** run the entire note **all** at once.

Took 0 sec. Last updated by anonymous at November 16 2017, 3:15:16 PM.

About OEHCS (Oracle Event Hub Cloud Service)

READY

Oracle Event Hub Cloud Service combines the open source technology Apache Kafka with unique innovations from Oracle to deliver a complete platform for working with streaming data.

The Oracle Event Hub Cloud Service is a managed Platform as a Service (PaaS) cloud-based offering that provides a highly available and scalable messaging platform for loading and analyzing streaming data. You can:

- Spin up multiple clusters and create topics in seconds, on demand, and then use it.
- Scale Out or Scale In clusters or Add/Remove partitions to elastically react to varying demands of your streaming data.
- Choose different cluster configurations depending on your needs.

- Use open REST APIs and CLIs to manage, use, and extend the service.

Documentation for OEHCS can be found: here (<http://docs.oracle.com/cloud/latest/event-hub-cloud/index.html>). General info about Apache Kafka can be found: here (<https://kafka.apache.org/>).

About Spark Streaming

READY

The integration between OEHCS and BDCS-CE leverages Spark Streaming to easily process the live streams of data from OEHCS. In particular, while Spark Streaming can work with multiple types of sources, we will be using Spark Streaming's support for Kafka as OEHCS leverages Kafka internally.

Documentation about Spark Streaming can be found: here (<http://spark.apache.org/docs/2.1.0/streaming-programming-guide.html>). And the integration with Kafka: here (<https://spark.apache.org/docs/2.1.0/streaming-kafka-integration.html>).

Setting up your OEHCS for Access from BDCSCE

READY

To connect your OEHCS instance with your BDCS-CE instance, we need to make sure the appropriate network access rules are created and enabled. We also need to lookup a few settings for use later.

Follow these steps (hint: you might want to open up a second browser window so that you can refer back to these instructions as you follow the steps):

- First, lookup the **Public IP** address of your BDCS-CE server. You will find it on the My Services - BDCSCE Service Overview page as show here:

The screenshot shows the Oracle Cloud My Services dashboard. The top navigation bar includes the Oracle logo, 'CLOUD My Services', and links to Dashboard, Users, and Notifications. The user is logged in as 'cloud.admin'. The main content area displays the 'Service Overview' for 'Oracle Big Data Cloud Service - Compute Edition / DCB-bdcs-apr12'. The overview shows 1 Node, 2 OCPUs, 30 GB Memory, and 180 GB Storage. Below this, the status is 'Ready', version is '17.2.1', and administrative user is 'bdcsce_admin'. The Ambari Server Host is '141.144.29.167' and the Compute Shape is 'oc2m'. The Spark Thrift Server is 'jdbc:hive2://141.144.29.167:1080...'. The Resources section shows the Host Name 'dcb-bdcs-apr12-bdcsce-1' and 2 OCPUs.

Host Name:	dcb-oe-hcs-apr19-kafka-zk-1	Public IP:	141.144.29.167	Memory:	30 GB
Instance:	Runs MASTER-1	Storage:	180 GB		

Associations

- Next, navigate to the Service Overview page for your OEHCs Platform. Make a note of the **Connect Descriptor**, which you will need later.

cloud.admin

ORACLE CLOUD My Services

Dashboard Users Notifications

Oracle Event Hub Cloud Service - Platform / dcb-oe-hcs-apr19

Service Overview As of Apr 19, 2017 2:10:04 PM UTC

1	2	30 GB	111 GB
Nodes	OCPUs	Memory	Storage

Status: Ready Version: 0.9.0.1.0

Compute Shape: oc2m Connect Descriptor: 141.144.144.128:6667

Deployment Type: Basic

Resources

Host Name:	dcb-oe-hcs-apr19-kafka-zk-1	OCPUs:	2
Public IP:	141.144.144.128	Memory:	30 GB
Instance:	Runs Kafka-Zookeeper-1	Storage:	111 GB

Overview

1 Node

0 Used Partitions

2000 Total Partitions

Administration

0 Patches available

- From the OEHCs Service Overview page, navigate to the Access Rules.

cloud.admin

ORACLE CLOUD My Services

Dashboard Users Notifications



Access Rules

You can use access rules to control network access to service components. On this page, you can manage your access rules.

Results per page: 50

Status	Rule Name	Source	Destination	Ports	Protocol	Description	Access Rules	Rule Type	Actions
	ora_p2kafka_ssh	PUBLIC-INTERNET	kafka_KAFKA_SERVE...	22	TCP	Permit ssh	SSH Access	DEFAULT	
	ora_trusted_hosts_kaf...	127.0.0.1/32,141...	kafka_KAFKA_SERVE...	6667	TCP	DO NOT M	View Activity	SYSTEM	
	sys_infra2kaf_admin_...	PAAS-INFRA	kafka_ADMIN_HOST	22	TCP	DO NOT MODIFY: Permit P...		SYSTEM	
	ora_p2confluent_ssh	PUBLIC-INTERNET	restprxy_RESTPRXY_...	22	TCP	Permit ssh access to nodes		DEFAULT	
	ora_p2confluent_nginx	PUBLIC-INTERNET	restprxy_RESTPRXY_...	1080	TCP	NGINX Proxy		DEFAULT	
	sys_infra2res_admin_...	PAAS-INFRA	restprxy_ADMIN_HOST	22	TCP	DO NOT MODIFY: Permit P...		SYSTEM	
	sys_restprxy2kafka_zk	restprxy_RESTP...	kafka_KAFKA_SERVE...	2181	TCP	Zookeeper Port		SYSTEM	
	sys_restprxy2kafka_ka...	restprxy_RESTP...	kafka_KAFKA_SERVE...	6667	TCP	Kafka Port		SYSTEM	
	sys_restprxy2kafka_j...	restprxy_RESTP...	kafka_KAFKA_SERVE...	9098	TCP	Kafka JMX Port		SYSTEM	
	sys_rextpxy2zookeeper_...	restprxy_RESTP...	kafka_KAFKA_SERVE...	9097	TCP	Zookeeper JMX Port		SYSTEM	
	sys_kafka2restprxy_m...	kafka_KAFKA_SE...	restprxy_RESTPRXY_...	8084	TCP	Monitor app port		SYSTEM	
	sys_kaf2res_ssh	kafka_ADMIN_H...	restprxy_ADMIN_HOST	22	TCP	DO NOT MODIFY: Permit ka...		SYSTEM	

- Create a new rule to allow your BDCS-CE server connect to OEACS. To do so, choose **Custom** for the source and enter the **Public IP** address of the **BDCS-CE** Server. Set the Destination to the **kafka_KAFKA_SERVER** choice. And enter the port as **6667**. See the screenshot below:

Create Access Rule

* Rule Name: bdcsc_kafka

Description: Allow my bdcsc to speak to kafka (if I didn't associate them when I created the bdcsc instance)

* Source: <custom>

141.144.29.167

* Destination: kafka_KAFKA_SERVER

* Destination Port(s): 6667

* Protocol: TCP

! This operation may take some time.

Create Cancel

Creating a topic in OEHCS

FINISHED

Now, we will create a new Kafka topic in OEHCS for this tutorial. Before we do so, a quick comment about OEHCS terminology. The "OEHCS Platform" is the terminology for the cluster itself. A cluster will manage multiple topics. We refer to individual topics as instances of "OEHCS". Thus, to create a new topic you will create a new instance of "OEHCS" to run on the "OEHCS Platform" (cluster) you already created.

Follow these instructions:

- Return to My Services OEHCS Platform screen as shown below:

The screenshot shows the Oracle Cloud My Services dashboard. At the top, there's a header with the Oracle logo and "CLOUD My Services". On the right, there's a user profile "cloud.admin" and navigation links for "Dashboard", "Users", and "Notifications". Below the header, there's a navigation bar with "Services", "Activity", and "SSH Access". The "Services" tab is selected. The main content area shows a summary of services with metrics: 3 Services, 7 OCPUs, 105 GB Memory, 384 GB Storage, 4 Public IPs, and 6/6000 Used/Total Partitions. Below the summary, there's a "Services" section with a search bar and a "Create Service" button. A service named "dcb-oehcs-apr19" is listed with details: Version: 0.9.0.1.0, Capacity: 0/2000, Created On: Apr 19, 2017 2:01:23 PM UTC, OCPUs: 2, Memory: 30 GB, and Storage: 111 GB.

- Select Oracle Event Hub Cloud Service - Topics from the pop-up menu to the right of "Oracle Event Hub Cloud Service - Platform" as shown below:

This screenshot is similar to the previous one, but the dropdown menu for the "Oracle Event Hub Cloud Service - Platform" is open, showing the option "Platform Services". The rest of the dashboard layout remains the same.

Platform Services

GoldenGate Cloud Service

Summary

Oracle Big Data Cloud Service - Compute Edition

Oracle Container Cloud Service

Oracle Database Cloud Service

Services

Search by service name

Oracle Event Hub Cloud Service

Oracle Event Hub Cloud Service - Platform

Oracle Java Cloud Service

Oracle MySQL Cloud Service

Oracle Application Container Cloud

Applications

Application Cache

Oracle Cloud Stack

As of Apr 19, 2017 2:22:13 PM UTC

105 GB Memory

384 GB Storage

4 Public IPs

6/6000 Used/Total Partitions

Create Service

Capacity: 0/2000

Created On: Apr 19, 2017 2:01:23 PM UTC

OCPUs: 2

Memory: 30 GB

Storage: 111 GB

Nodes: 2

Capacity: 4/2000

Created On: Mar 7, 2017 6:06:32 PM UTC

OCPUs: 3

Memory: 45 GB

Storage: 162 GB

- On the My Services Event Hub Cloud Service - Topics page, click the Create Service button as shown below (hint: the Create Service button is on the Services tab):

ORACLE[®] CLOUD My Services

cloud.admin

Oracle Event Hub Cloud Service

Services

Activity

Welcome!

As of Apr 27, 2017 1:01:53 PM UTC

Summary

4 Topics

8 Partitions

Services

Search by service name

Create Service

TutorialOECHS


Partitions: 2


Created On: Apr 19, 2017 2:27:58 PM UTC

	CreditCard	Partitions: 2	Created On: Mar 23, 2017 2:05:36 PM UTC	
	kafka-service	Partitions: 2	Created On: Mar 22, 2017 10:47:48 PM UTC	
	SA-OEHCS1	Partitions: 2	Created On: Mar 20, 2017 4:52:12 PM UTC	

► Service Create and Delete History

- Create the service(Topic) by setting the Service Name to **TutorialOEHCS**, setting the Hosted On to your OEHCS Platform instance, and filling the other fields as shown below:


CLOUD My Services
cloud.admin ▼


Create Service

Cancel

Service
Confirm

Next ►

Service

Provide basic service instance information.

Details

* Service Name ?

Description ?

* Hosted On ▼ ?

Topic

* Partitions ?

* Retention Period (Hours) ?

- Once the service(Topic) is created, click on Service(Topic) name on the Summary page to see more details, including the full topic name. Make a note of the full topic name as you will need it later.

As of Apr 19, 2017 2:28:13 PM UTC ↺

Summary

4


8

Topics

Partitions


Services

Create Service




TutorialOEHCS

Partitions




CreditCard

Partitions



kafka-service

Partitions



SA-OEHCS1

Partitions: 2

More Information

Topic: gse00010212-TutorialOEHCS

Created On: Apr 19, 2017 2:27:58 PM UTC

Retention Period (Hours): 24

Partitions: 2

Hosted On: dcb-oeHCS-apr19[Oracle Event Hub Cloud Service - Platform]

Took 0 sec. Last updated by anonymous at November 16 2017, 3:19:49 PM.

Set OEHCS and Object Store Parameters. Then run this paragraph.

FINISHED

```
%spark
z.angularBind("BIND_ObjectStorage_Container", "journeyC")
z.angularBind("BIND_OEHCS_ConnectionDescriptor", z.input("OEHCS_ConnectionDescriptor", "141.144.144.128:6667"))
z.angularBind("BIND_OEHCS_Topic", z.input("OEHCS_Topic", "gse00010212-TutorialOEHCS"))

//save these for pyspark
z.put("BIND_OEHCS_Topic", z.angular("BIND_OEHCS_Topic"))
z.put("BIND_OEHCS_ConnectionDescriptor", z.angular("BIND_OEHCS_ConnectionDescriptor"))

//save these for shell
scala.tools.nsc.io.File("/var/lib/zeppelin/oehcs.sh").writeAll(
  "export ObjectStorage_Container=\""+z.angular("BIND_ObjectStorage_Container")+"\"\\n" +
  "export OEHCS_ConnectionDescriptor=\""+z.angular("BIND_OEHCS_ConnectionDescriptor")+"\"\\n" +
  "export OEHCS_Topic=\""+z.angular("BIND_OEHCS_Topic")+"\"\\n"
)
println("done")
```

OEHCS_ConnectionDescriptor

140.86.32.89:6667

OEHCS_Topic

gse00002281-TutorialOEHCS

done

Took 1 sec. Last updated by anonymous at November 16 2017, 3:21:30 PM.

Before you continue

FINISHED

Make sure you have followed the above manual steps to enable access from BDCSCE to OEHCS, create a topic in OEHCS, and run the above paragraph to save your configuration settings.

Took 0 sec. Last updated by anonymous at November 16 2017, 3:22:49 PM.

Citibike Sample Data

READY

This example uses bike ride data from the New York City bike share program (<https://www.citibikenyc.com/>). The data we use has previously been downloaded in the Tutorial “Citi Bike Introduction and Setup”

We will use a month of bike trip data from December 2016.

Writing a Producer to stream data to OEHCS

READY

This tutorial will use a small python program to stream our bike data to OEHCS. This program will read the bike data and play it back, either in “real-time” or in an accelerated fashion. Our Python program will use the “kafka-python” library, as described here (<https://github.com/dpkp/kafka-python>).

Our first step is to download the kafka-python library using pip as seen in the next paragraph. Then we will write our python program and save as a file.

Run the next 2 paragraphs to continue.

Shell commands to install Python kafka libraries

FINISHED

```
%sh
#do this at least once.
echo "appdirs==1.4.3
kafka-python==1.3.3
packaging==16.8
pyparsing==2.2.0
python-dateutil==2.6.0
six==1.10.0
" > requirements.txt

sudo pip install -r requirements.txt
echo "done"
```

DEPRECATION: Python 2.6 is no longer supported by the Python core team, please upgrade your Python. A future version of pip will drop support for Python 2.6

Collecting appdirs==1.4.3 (from -r requirements.txt (line 1))

/usr/lib/python2.6/site-packages/pip-9.0.1-py2.6.egg/pip/_vendor/requests/packages/urllib3/util/ssl_.py:318: SNIMissingWarning: An HTTPS request has been made, but the SNI (Subject Name Indication) extension to TLS is not available on this platform. This may cause the server to present an incorrect TLS certificate, which can cause validation failures. You can upgrade to a newer version of Python to solve this. For more information, see <https://urllib3.readthedocs.io/en/latest/security.html#snimissingwarning>.

SNIMissingWarning

/usr/lib/python2.6/site-packages/pip-9.0.1-py2.6.egg/pip/_vendor/requests/packages/urllib3/util/ssl_.py:122: InsecurePlatformWarning: A true SSLContext object is not available. This prevents urllib3 from configuring SSL appropriately and may cause certain SSL connections to fail. You can upgrade to a newer version of Python to solve this. For more information, see <https://urllib3.readthedocs.io/en/latest/security.html#insecureplatformwarning>.

InsecurePlatformWarning

Downloading appdirs-1.4.3-py2.py3-none-any.whl

Collecting kafka-python==1.3.3 (from -r requirements.txt (line 2))

Downloading kafka_python-1.3.3-py2.py3-none-any.whl (200kB)

Collecting packaging==16.8 (from -r requirements.txt (line 3))

Downloading packaging-16.8-py2.py3-none-any.whl

Collecting pyparsing==2.2.0 (from -r requirements.txt (line 4))

Downloading pyparsing-2.2.0-py2.py3-none-any.whl (56kB)

Collecting python-dateutil==2.6.0 (from -r requirements.txt (line 5))

Downloading python_dateutil-2.6.0-py2.py3-none-any.whl (194kB)

Collecting six==1.10.0 (from -r requirements.txt (line 6))

Downloading six-1.10.0-py2.py3-none-any.whl

Installing collected packages: appdirs, kafka-python, pyparsing, six, packaging, python-dateutil

Found existing installation: six 1.9.0

DEPRECATION: Uninstalling a distutils installed project (six) has been deprecated and will be removed in a future version. This is due to the fact that uninstalling a distutils project will only partially uninstall the project.

Uninstalling six-1.9.0:

Took 10 sec. Last updated by anonymous at November 16 2017, 3:23:12 PM. (outdated)

Shell command to save our Python producer program to a script

FINISHED

```
%sh

. oehcs.sh

echo "
#!/usr/bin/env python

# standard libraries
```



```
-rw-r--r-- 1 zeppelin zeppelin 2023 Nov 16 20:23 tutorial_kafka.py
done
```

Took 0 sec. Last updated by anonymous at November 16 2017, 3:23:29 PM. (outdated)

Example: Consuming streaming data from OEHCS

READY

Now that we have downloaded data and written our python producer, we are ready for our first example. To run our example, **you will need to run 2 things**: the python producer script and a Spark Streaming consumer script.

First, we will start with the Spark Streaming script. **Run the next paragraph. Scroll down and observe the output**, even though it says it is still running. You will notice that it begins to report new information every 5 seconds. After 90 seconds, it will shut itself down.

Before the Spark Streaming code shuts itself down, move to the paragraph that invokes our python producer in a shell interpreter (it is the one right after the spark streaming script). **Run this python producer paragraph**. At this point, both the producer and the consumer should be running. Observe the output of both.

After sending 10 records, the python producer will quit. After 90 seconds, the Spark Streaming consumer will quit.

Spark Streaming (Scala) Example: Kafka Consumer

FINISHED

```
%spark
{

import _root_.kafka.serializer.StringDecoder //http://stackoverflow.com/questions/36397688/sbt-cannot-import-kafka-encoder-decoder-classes
import org.apache.spark.streaming._
import org.apache.spark.streaming.kafka._

println("Creating new Streaming Context")
val ssc = new StreamingContext(sc, Seconds(5))

val topic = z.angular("BIND_OEHCS_Topic").toString
println("topic:"+topic)
val topicsSet = topic.split(",").toSet

val brokers=z.angular("BIND_OEHCS_ConnectionDescriptor").toString
println("brokers:"+brokers)
val kafkaParams = Map[String, String]("metadata.broker.list" -> brokers)

println("Creating Kafka DStream")
//https://spark.apache.org/docs/1.6.1/streaming-kafka-integration.html
val messages = KafkaUtils.createDirectStream[String, String, StringDecoder, StringDecoder](
    ssc, kafkaParams, topicsSet)
```

```
Creating new Streaming Context
topic:gse00002281-Tutorial0EHCS
brokers:140.86.32.89:6667
Creating Kafka DStream
Setting up operations on DStream
Starting Streaming Context
Will now sleep for a few minutes, before stopping the StreamingContext. At this point, you should start the producer.
count = 0
count = 1
(first row ,[16669,1981,480,40.76669671,-73.99061728,W 53 St & 10 Ave,1,447,40.76370739,-73.9851615,8 Ave & W 52 St,2016-12-01 06:00:01,2016-12-01 06:03:36,214,Subscriber])
count = 0
count = 3
(first row ,[20578,1964,3141,40.76500525,-73.95818491,1 Ave & E 68 St,1,490,40.751551,-73.993934,8 Ave & W 33 St,2016-12-01 06:00:08,2016-12-01 06:27:10,1622,Subscriber])
count = 2
(first row ,[25077,1992,387,40.71273266,-74.0046073,Centre St & Chambers St,1,507,40.73912601,-73.97973776,E 25 St & 2 Ave,2016-12-01 06:00:13,2016-12-01 06:14:22,848,Subscriber])
count = 1
(first row ,[24035,1958,527,40.744023,-73.976056,E 33 St & 2 Ave,1,492,40.75019995,-73.99093085,W 33 St & 7 Ave,2016-12-01 06:00:21,2016-12-01 06:05:54,333,Subscriber])
```

```
count = 0
count = 1
(first row , [24295,1966,3224,40.73997354103409,-74.00513872504234,W 13 St & Hudson St,1,3161,40.7801839724239,-73.97728532552719,W 76 St & Columbus Ave,2016-12-01 06:00:30,2016-12-01 06:25:04,1473,Subscriber])
count = 1
(first row , [21229,1979,518,40.74780373,-73.9734419,E 39 St & 2 Ave,1,468,40.7652654,-73.98192338,Broadway & W 55 St,2016-12-01 06:00:33,2016-12-01 06:14:10,817,Subscriber])
count = 0
count = 0
count = 0
count = 1
(first row , [27180,1980,337,40.7037992,-74.00838676,Old Slip & Front St,1,264,40.70706456,-74.00731853,Maiden Ln & Pearl St,2016-12-01 06:00:52,2016-12-01 06:03:04,131,Subscriber])
count = 0
count = 0
count = 0
count = 0
count = 0
Stopping Active StreamingContext
.
```

Took 1 min 40 sec. Last updated by anonymous at November 16 2017, 3:30:35 PM.

Running the Kafka Producer Shell script

FINISHED

0/10 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:03:36', 'End Station Longitude': '-73.99061728', 'Trip Duration': '214', 'Start Station ID': '447', 'Start Station Longitude': '-73.9851615', 'End Station Latitude': '40.76669671', 'End Station Name': 'W 53 St & 10 Ave', 'Start Time': '2016-12-01 06:00:01', 'Start Station Latitude': '40.76370739', 'End Station ID': '480', 'Bike ID': '16669', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 52 St'}

1/10 sending: {'Birth Year': '1964', 'Stop Time': '2016-12-01 06:27:10', 'End Station Longitude': '-73.95818491', 'Trip Duration': '1622', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:00:08', 'Start Station Latitude': '40.751551', 'End Station ID': '3141', 'Bike ID': '20578', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}

2/10 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:22:39', 'End Station Longitude': '-73.99009296', 'Trip Duration': '1349', 'Start Station ID': '3236', 'Start Station Longitude': '-73.99379968643188', 'End Station Latitude': '40.73704984', 'End Station Name': 'E 17 St & Broadway', 'Start Time': '2016-12-01 06:00:10', 'Start Station Latitude': '40.75898481399634', 'End Station ID': '497', 'Bike ID': '25033', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & Dyer Ave'}

3/10 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:07:59', 'End Station Longitude': '-73.986923', 'Trip Duration': '467', 'Start Station ID': '394', 'Start Station Longitude': '-73.97768752', 'End Station Latitude': '40.734232', 'End Station Name': 'E 15 St & 3 Ave', 'Start Time': '2016-12-01 06:00:11', 'Start Station Latitude': '40.72521311', 'End Station ID': '297', 'Bike ID': '22604', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 9 St & Avenue C'}

4/10 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:14:22', 'End Station Longitude': '-74.0046073', 'Trip Duration': '848', 'Start Station ID': '507', 'Start Station Longitude': '-73.97973776', 'End Station Latitude': '40.71273266', 'End Station Name': 'Centre St & Chambers St', 'Start Time': '2016-12-01 06:00:13', 'Start Station Latitude': '40.73912601', 'End Station ID': '387', 'Bike ID': '25077', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 25 St & 2 Ave'}

5/10 sending: {'Birth Year': '1975', 'Stop Time': '2016-12-01 06:05:28', 'End Station Longitude': '-73.98192338', 'Trip Duration': '312', 'Start Station ID': '3233', 'Start Station Longitude': '-73.97805914282799', 'End Station Latitude': '40.7652654', 'End Station Name': 'Broadway & W 55 St', 'Start Time': '2016-12-01 06:00:16', 'Start Station Latitude': '40.75724670447321', 'End Station ID': '1460', 'Bike ID': '123600', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 40 St & E Ave'}

Took 52 sec. Last updated by anonymous at November 16 2017, 3:29:55 PM.

Before you continue

READY

At this point, you have now seen a working example of data being streamed to OEHCS and read by BDCS-CE. The operations that we performed on the incoming data were rather basic– we just counted the incoming rows and printed out the first row of each batch.

Next, we will implement a more complex example.

READY

More complex example: Spark SQL and Writing to Object Store

In this example, we will demonstrate defining a Spark SQL table with our real-time data as well as writing data to the Object Store.

To run the more complex example, you will need to

- run the Spark paragraph below to start the consumer. *Note: this consumer will not stop by itself but we provide commands later to stop it when needed.*
- run the producer paragraph below to start the producer.
- Observe the output of the consumer and run and re-run the SQL paragraphs to query the realtime_bike_trips table. The consumer is using a window of 30 seconds, so you should see different data approximately every 30 seconds as you run the SQL queries.
- run the Spark paragraph further below to stop the running StreamingContext
- check the ObjectStore to confirm that the streaming data was written to it

Streaming Consumer that defines a Spark SQL Table and writes to Object Store

FINISHED

```
%spark

{

import _root_.kafka.serializer.StringDecoder //http://stackoverflow.com/questions/36397688/sbt-cannot-import-kafka-encoder-decoder-classes
import org.apache.spark.streaming._
import org.apache.spark.streaming.kafka._

val filebase = "swift://" + z.angular("BIND_ObjectStorage_Container") + ".default/citibike/streaming"

println("Defining a placeholder empty dataframe for our SQL table structure when we don't have any realtime data")

//use a sample record to capture the column names and types
val dummyrec="{ 'Birth Year': '1981', 'Stop Time': '2016-12-01 06:03:36', 'End Station Longitude': '-73.99061728', 'Trip Duration': '214', 'Start Station ID': '447', 'Start Station Lor
-73.9851615', 'End Station Latitude': '40.76669671', 'End Station Name': 'W 53 St & 10 Ave', 'Start Time': '2016-12-01 06:00:01', 'Start Station Latitude': '40.76370739', 'End St:
'480', 'Bike ID': '16669', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 52 St'}"
val dummyRDD = sc.parallelize(dummyrec :: Nil)
val dummyDf=sqlContext.read.json(dummyRDD)
//df.printSchema()
//create a new DF with zero records (but with same column names/types)
val emptyDf=dummyDf.filter("Gender = 'xxx'")
//emptyDf.printSchema()

println("Creating new Streaming Context")
val ssc = new StreamingContext(sc, Seconds(30))

val topic = z.angular("BIND_OEHCS_Topic").toString
println("topic:"+topic)
val topicsSet = topic.split(",").toSet

val brokers=z.angular("BIND_OEHCS_ConnectionDescriptor").toString
println("brokers:"+brokers)
val kafkaParams = Map[String, String]("metadata.broker.list" -> brokers)
```


Defining a placeholder empty dataframe for our SQL table structure when we don't have any realtime data
Creating new Streaming Context
topic:gse00002281-Tutorial0EHCS

brokers:140.86.32.89:6667
Creating Kafka DStream
Setting up operations on DStream
Starting Streaming Context
Note: you will need to manually stop this StreamingContext or it will continue forever. To do so, run: StreamingContext.getActive().map(_.stop(false,true))
There is a sample paragraph below that shows you how to do this.
Start of the Consumer done. Go ahead and start the producer if you have not already. With both the Consumer and Producer running, run the Spark SQL queries below and you should see different data every 30 seconds

Took 6 sec. Last updated by anonymous at November 16 2017, 3:32:02 PM. (outdated)

Producer for the more complex example

FINISHED

```
%sh
#The arguments are datafile TimeSpeedupFactor RecordsToProduce StartDate StartTime

# for the more complex example, we are running a timespeedup factor of 10 to push data faster through the system

python ./tutorial_kafka.py citibike/201612-citibike-tripdata.csv 10 300 2016-12-01 06:00:00 2>&1

0/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:03:36', 'End Station Longitude': '-73.99061728', 'Trip Duration': '214', 'Start Station ID': '447', 'Start Station Longitude': '-73.9851615', 'End Station Latitude': '40.76669671', 'End Station Name': 'W 53 St & 10 Ave', 'Start Time': '2016-12-01 06:00:01', 'Start Station Latitude': '40.76370739', 'End Station ID': '480', 'Bike ID': '16669', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 52 St'}
1/300 sending: {'Birth Year': '1964', 'Stop Time': '2016-12-01 06:27:10', 'End Station Longitude': '-73.95818491', 'Trip Duration': '1622', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:00:08', 'Start Station Latitude': '40.751551', 'End Station ID': '3141', 'Bike ID': '20578', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
2/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:22:39', 'End Station Longitude': '-73.99009296', 'Trip Duration': '1349', 'Start Station ID': '3236', 'Start Station Longitude': '-73.99379968643188', 'End Station Latitude': '40.73704984', 'End Station Name': 'E 17 St & Broadway', 'Start Time': '2016-12-01 06:00:10', 'Start Station Latitude': '40.75898481399634', 'End Station ID': '497', 'Bike ID': '25033', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & Dyer Ave'}
3/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:07:59', 'End Station Longitude': '-73.986923', 'Trip Duration': '467', 'Start Station ID': '394', 'Start Station Longitude': '-73.97768752', 'End Station Latitude': '40.734232', 'End Station Name': 'E 15 St & 3 Ave', 'Start Time': '2016-12-01 06:00:11', 'Start Station Latitude': '40.72521311', 'End Station ID': '297', 'Bike ID': '22604', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 9 St & Avenue C'}
4/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:14:22', 'End Station Longitude': '-74.0046073', 'Trip Duration': '848', 'Start Station ID': '507', 'Start Station Longitude': '-73.97973776', 'End Station Latitude': '40.71273266', 'End Station Name': 'Centre St & Chambers St', 'Start Time': '2016-12-01 06:00:13', 'Start Station Latitude': '40.73912601', 'End Station ID': '387', 'Bike ID': '25077', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 25 St & 2 Ave'}
5/300 sending: {'Birth Year': '1975', 'Stop Time': '2016-12-01 06:05:28', 'End Station Longitude': '-73.98192338', 'Trip Duration': '312', 'Start Station ID': '3233', 'Start Station Longitude': '-73.97805914282799', 'End Station Latitude': '40.7652654', 'End Station Name': 'Broadway & W 55 St', 'Start Time': '2016-12-01 06:00:16', 'Start Station Latitude': '40.75724567911726', 'End Station ID': '468', 'Bike ID': '22680', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 48 St & 5 Ave'}
6/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:05:54', 'End Station Longitude': '-73.976056', 'Trip Duration': '333', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.744023', 'End Station Name': 'E 33 St & 2 Ave', 'Start Time': '2016-12-01 06:00:21', 'Start Station Latitude': '40.75019995', 'End Station ID': '527', 'Bike ID': '24035', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
7/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:25:04', 'End Station Longitude': '-74.00513872504234', 'Trip Duration': '1473', 'Start Station ID': '3161', 'Start Station Longitude': '-73.97728532552719', 'End Station Latitude': '40.73997354103409', 'End Station Name': 'W 13 St & Hudson St', 'Start Time': '2016-12-01 06:00:30', 'Start Station Latitude': '40.7801839724239', 'End Station ID': '3224', 'Bike ID': '24295', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 76 St & Columbus Ave'}
8/300 sending: {'Birth Year': '1979', 'Stop Time': '2016-12-01 06:14:10', 'End Station Longitude': '-73.9734419', 'Trip Duration': '817', 'Start Station ID': '468', 'Start Station Longitude': '-73.98192338', 'End Station Latitude': '40.74780373', 'End Station Name': 'E 39 St & 2 Ave', 'Start Time': '2016-12-01 06:00:33', 'Start Station Latitude': '40.7652654', 'End Station ID': '518', 'Bike ID': '21229', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Broadway & W 55 St'}
9/300 sending: {'Birth Year': '1980', 'Stop Time': '2016-12-01 06:03:04', 'End Station Longitude': '-74.00838676', 'Trip Duration': '131', 'Start Station ID': '264', 'Start Station Longitude': '-74.00731853', 'End Station Latitude': '40.7037992', 'End Station Name': 'Old Slip & Front St', 'Start Time': '2016-12-01 06:00:52', 'Start Station Latitude': '40.70706456', 'End Station ID': '337', 'Bike ID': '27180', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Maiden Ln & Pearl St'}
10/300 sending: {'Birth Year': '1950', 'Stop Time': '2016-12-01 06:19:39', 'End Station Longitude': '-74.00731853', 'Trip Duration': '1119', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.70706456', 'End Station Name': 'Maiden Ln & Pearl St', 'Start Time': '2016-12-01 06:01:00', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '264', 'Bike ID': '26385', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
11/300 sending: {'Birth Year': '1959', 'Stop Time': '2016-12-01 06:11:17', 'End Station Longitude': '-73.97536082', 'Trip Duration': '611', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.74144387', 'End Station Name': '1 Ave & E 30 St', 'Start Time': '2016-12-01 06:01:05', 'Start Station Latitude': '40.75640548', 'E
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nd Station ID': '536', 'Bike ID': '21243', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
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13/300 sending: {'Birth Year': '1974', 'Stop Time': '2016-12-01 06:10:42', 'End Station Longitude': '-73.99009296', 'Trip Duration': '569', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.73704984', 'End Station Name': 'E 17 St & Broadway', 'Start Time': '2016-12-01 06:01:13', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '497', 'Bike ID': '24112', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
14/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:42:29', 'End Station Longitude': '-73.968896', 'Trip Duration': '2473', 'Start Station ID': '366', 'Start Station Longitude': '-73.968896', 'End Station Latitude': '40.693261', 'End Station Name': 'Clinton Ave & Myrtle Ave', 'Start Time': '2016-12-01 06:01:16', 'Start Station Latitude': '40.693261', 'End Station ID': '366', 'Bike ID': '25619', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Clinton Ave & Myrtle Ave'}
15/300 sending: {'Birth Year': '1997', 'Stop Time': '2016-12-01 06:07:21', 'End Station Longitude': '-73.97282625', 'Trip Duration': '362', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.75255434', 'End Station Name': 'E 45 St & 3 Ave', 'Start Time': '2016-12-01 06:01:19', 'Start Station Latitude': '40.7575699', 'End Station ID': '440', 'Bike ID': '23455', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
16/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:07:58', 'End Station Longitude': '-73.976056', 'Trip Duration': '388', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.744023', 'End Station Name': 'E 33 St & 2 Ave', 'Start Time': '2016-12-01 06:01:29', 'Start Station Latitude': '40.75019995', 'End Station ID': '527', 'Bike ID': '25537', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
17/300 sending: {'Birth Year': '1974', 'Stop Time': '2016-12-01 06:16:59', 'End Station Longitude': '-74.01658354', 'Trip Duration': '927', 'Start Station ID': '482', 'Start Station Longitude': '-73.99931783', 'End Station Latitude': '40.7153379', 'End Station Name': 'Vesey Pl & River Terrace', 'Start Time': '2016-12-01 06:01:32', 'Start Station Latitude': '40.73935542', 'End Station ID': '327', 'Bike ID': '22465', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 15 St & 7 Ave'}
18/300 sending: {'Birth Year': '1960', 'Stop Time': '2016-12-01 06:09:51', 'End Station Longitude': '-73.98955109', 'Trip Duration': '494', 'Start Station ID': '326', 'Start Station Longitude': '-73.98426726', 'End Station Latitude': '40.7403432', 'End Station Name': 'Broadway & E 22 St', 'Start Time': '2016-12-01 06:01:36', 'Start Station Latitude': '40.72953837', 'End Station ID': '402', 'Bike ID': '23329', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 11 St & 1 Ave'}
19/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:09:22', 'End Station Longitude': '-73.98191841', 'Trip Duration': '461', 'Start Station ID': '3233', 'Start Station Longitude': '-73.97805914282799', 'End Station Latitude': '40.76915505', 'End Station Name': 'Broadway & W 60 St', 'Start Time': '2016-12-01 06:01:41', 'Start Station Latitude': '40.75724567911726', 'End Station ID': '499', 'Bike ID': '23018', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 48 St & 5 Ave'}
20/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:04:20', 'End Station Longitude': '-73.97536082', 'Trip Duration': '147', 'Start Station ID': '174', 'Start Station Longitude': '-73.97738662', 'End Station Latitude': '40.74144387', 'End Station Name': '1 Ave & E 30 St', 'Start Time': '2016-12-01 06:01:53', 'Start Station Latitude': '40.7381765', 'End Station ID': '536', 'Bike ID': '19287', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 25 St & 1 Ave'}
21/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:12:00', 'End Station Longitude': '-73.9900262', 'Trip Duration': '597', 'Start Station ID': '459', 'Start Station Longitude': '-74.007756', 'End Station Latitude': '40.75640548', 'End Station Name': 'W 41 St & 8 Ave', 'Start Time': '2016-12-01 06:02:02', 'Start Station Latitude': '40.746745', 'End Station ID': '477', 'Bike ID': '24311', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 20 St & 11 Ave'}
22/300 sending: {'Birth Year': '1973', 'Stop Time': '2016-12-01 06:33:23', 'End Station Longitude': '-74.002950346', 'Trip Duration': '1876', 'Start Station ID': '3152', 'Start Station Longitude': '-73.96119945', 'End Station Latitude': '40.749717753', 'End Station Name': 'W 26 St & 10 Ave', 'Start Time': '2016-12-01 06:02:07', 'Start Station Latitude': '40.76873687', 'End Station ID': '388', 'Bike ID': '22268', 'User Type': 'Subscriber', 'Gender': '0', 'Start Station Name': '3 Ave & E 71 St'}
23/300 sending: {'Birth Year': '1956', 'Stop Time': '2016-12-01 06:11:22', 'End Station Longitude': '-74.00277668', 'Trip Duration': '549', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.76087502', 'End Station Name': '12 Ave & W 40 St', 'Start Time': '2016-12-01 06:02:12', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '514', 'Bike ID': '24973', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
24/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:17:02', 'End Station Longitude': '-73.97109243', 'Trip Duration': '883', 'Start Station ID': '461', 'Start Station Longitude': '-73.98205027', 'End Station Latitude': '40.76350532', 'End Station Name': 'E 59 St & Madison Ave', 'Start Time': '2016-12-01 06:02:19', 'Start Station Latitude': '40.73587678', 'End Station ID': '3132', 'Bike ID': '19071', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 20 St & 2 Ave'}
25/300 sending: {'Birth Year': '1976', 'Stop Time': '2016-12-01 06:05:50', 'End Station Longitude': '-73.981013', 'Trip Duration': '203', 'Start Station ID': '416', 'Start Station Longitude': '-73.97265183', 'End Station Latitude': '40.689888', 'End Station Name': 'DeKalb Ave & Hudson Ave', 'Start Time': '2016-12-01 06:02:27', 'Start Station Latitude': '40.68753406', 'End Station ID': '324', 'Bike ID': '17928', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Cumberland St & Lafayette Ave'}
26/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:04:45', 'End Station Longitude': '-73.981013', 'Trip Duration': '130', 'Start Station ID': '241', 'Start Station Longitude': '-73.97493121', 'End Station Latitude': '40.689888', 'End Station Name': 'DeKalb Ave & Hudson Ave', 'Start Time': '2016-12-01 06:02:35', 'Start Station Latitude': '40.68981035', 'End Station ID': '324', 'Bike ID': '25835', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'DeKalb Ave & S Portland Ave'}
27/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:13:51', 'End Station Longitude': '-73.976056', 'Trip Duration': '666', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.744023', 'End Station Name': 'E 33 St & 2 Ave', 'Start Time': '2016-12-01 06:02:44', 'Start Station Latitude': '40.751551', 'End Station ID': '527', 'Bike ID': '17389', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
28/300 sending: {'Birth Year': '1957', 'Stop Time': '2016-12-01 06:08:02', 'End Station Longitude': '-73.97402311', 'Trip Duration': '314', 'Start Station ID': '423', 'Start Station Longitude': '-73.98690506', 'End Station Latitude': '40.7597108', 'End Station Name': 'E 53 St & Madison Ave', 'Start Time': '2016-12-01 06:02:48', 'Start Station Latitude': '40.76584941', 'End Station ID': '456', 'Bike ID': '23610', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 54 St & 9 Ave'}
29/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:31:50', 'End Station Longitude': '-73.97754961', 'Trip Duration': '1731', 'Start Station ID': '357', 'Start Station Longitude': '-73.99158043', 'End Station Latitude': '40.7785669', 'End Station Name': 'W 74 St & Columbus Ave', 'Start Time': '2016-12-01 06:02:58', 'Start Station Latitude': '40.73261787', 'End Station ID': '3172', 'Bike ID': '19465', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 11 St & Broadway'}

30/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:06:30', 'End Station Longitude': '-73.981013', 'Trip Duration': '212', 'Start Station ID': '270', 'Start Station Longitude': '-73.97178913', 'End Station Latitude': '40.689888', 'End Station Name': 'DeKalb Ave & Hudson Ave', 'Start Time': '2016-12-01 06:02:58', 'Start Station Latitude': '40.69308257', 'End Station ID': '324', 'Bike ID': '19371', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Adelphi St & Myrtle Ave'}

31/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:10:39', 'End Station Longitude': '-73.97722479', 'Trip Duration': '457', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76340613', 'End Station Name': 'W 56 St & 6 Ave', 'Start Time': '2016-12-01 06:03:02', 'Start Station Latitude': '40.75640548', 'End Station ID': '352', 'Bike ID': '23530', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

32/300 sending: {'Birth Year': '1977', 'Stop Time': '2016-12-01 06:10:06', 'End Station Longitude': '-73.97402311', 'Trip Duration': '423', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.7597108', 'End Station Name': 'E 53 St & Madison Ave', 'Start Time': '2016-12-01 06:03:03', 'Start Station Latitude': '40.75640548', 'End Station ID': '456', 'Bike ID': '22114', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

33/300 sending: {'Birth Year': '1984', 'Stop Time': '2016-12-01 06:14:53', 'End Station Longitude': '-73.98940236', 'Trip Duration': '709', 'Start Station ID': '420', 'Start Station Longitude': '-73.96968902', 'End Station Latitude': '40.70255088', 'End Station Name': 'Front St & Washington St', 'Start Time': '2016-12-01 06:03:03', 'Start Station Latitude': '40.68764484', 'End Station ID': '2000', 'Bike ID': '22972', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Clermont Ave & Lafayette Ave'}

34/300 sending: {'Birth Year': '1974', 'Stop Time': '2016-12-01 06:12:31', 'End Station Longitude': '-73.98855723', 'Trip Duration': '543', 'Start Station ID': '326', 'Start Station Longitude': '-73.98426726', 'End Station Latitude': '40.7462009', 'End Station Name': 'Broadway & W 29 St', 'Start Time': '2016-12-01 06:03:27', 'Start Station Latitude': '40.72953837', 'End Station ID': '486', 'Bike ID': '22961', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 11 St & 1 Ave'}

35/300 sending: {'Birth Year': '1984', 'Stop Time': '2016-12-01 06:10:20', 'End Station Longitude': '-74.005226', 'Trip Duration': '382', 'Start Station ID': '405', 'Start Station Longitude': '-74.008119', 'End Station Latitude': '40.751396', 'End Station Name': '11 Ave & W 27 St', 'Start Time': '2016-12-01 06:03:57', 'Start Station Latitude': '40.739323', 'End Station ID': '458', 'Bike ID': '27034', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Washington St & Gansevoort St'}

36/300 sending: {'Birth Year': '1972', 'Stop Time': '2016-12-01 06:06:44', 'End Station Longitude': '-73.9900262', 'Trip Duration': '162', 'Start Station ID': '3236', 'Start Station Longitude': '-73.99379968643188', 'End Station Latitude': '40.75640548', 'End Station Name': 'W 41 St & 8 Ave', 'Start Time': '2016-12-01 06:04:02', 'Start Station Latitude': '40.75898481399634', 'End Station ID': '477', 'Bike ID': '17243', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & Dyer Ave'}

37/300 sending: {'Birth Year': '1996', 'Stop Time': '2016-12-01 06:12:23', 'End Station Longitude': '-73.976806', 'Trip Duration': '500', 'Start Station ID': '519', 'Start Station Longitude': '-73.977706', 'End Station Latitude': '40.739445', 'End Station Name': 'E 27 St & 1 Ave', 'Start Time': '2016-12-01 06:04:03', 'Start Station Latitude': '40.751873', 'End Station ID': '2012', 'Bike ID': '22983', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Pershing Square North'}

38/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:06:13', 'End Station Longitude': '-73.9567526', 'Trip Duration': '114', 'Start Station ID': '3145', 'Start Station Longitude': '-73.95772073', 'End Station Latitude': '40.77573034', 'End Station Name': 'E 81 St & 3 Ave', 'Start Time': '2016-12-01 06:04:18', 'Start Station Latitude': '40.77862688', 'End Station ID': '3146', 'Bike ID': '25152', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 84 St & Park Ave'}

39/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:07:01', 'End Station Longitude': '-73.9535166', 'Trip Duration': '149', 'Start Station ID': '3148', 'Start Station Longitude': '-73.95068615', 'End Station Latitude': '40.77140426', 'End Station Name': '1 Ave & E 78 St', 'Start Time': '2016-12-01 06:04:32', 'Start Station Latitude': '40.77565541', 'End Station ID': '3140', 'Bike ID': '26996', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 84 St & 1 Ave'}

40/300 sending: {'Birth Year': '1960', 'Stop Time': '2016-12-01 06:11:05', 'End Station Longitude': '-73.99595065', 'Trip Duration': '377', 'Start Station ID': '3232', 'Start Station Longitude': '-73.98304268717766', 'End Station Latitude': '40.69512845', 'End Station Name': 'Hicks St & Montague St', 'Start Time': '2016-12-01 06:04:47', 'Start Station Latitude': '40.68962188790333', 'End Station ID': '406', 'Bike ID': '20335', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Bond St & Fulton St'}

41/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:11:06', 'End Station Longitude': '-73.98303529', 'Trip Duration': '371', 'Start Station ID': '168', 'Start Station Longitude': '-73.99456405', 'End Station Latitude': '40.74444921', 'End Station Name': 'E 30 St & Park Ave S', 'Start Time': '2016-12-01 06:04:54', 'Start Station Latitude': '40.73971301', 'End Station ID': '546', 'Bike ID': '26717', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 18 St & 6 Ave'}

42/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:12:29', 'End Station Longitude': '-73.98266566', 'Trip Duration': '453', 'Start Station ID': '3169', 'Start Station Longitude': '-73.98128127', 'End Station Latitude': '40.77492513', 'End Station Name': 'W 67 St & Broadway', 'Start Time': '2016-12-01 06:04:55', 'Start Station Latitude': '40.78720869', 'End Station ID': '3159', 'Bike ID': '20878', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Riverside Dr & W 82 St'}

43/300 sending: {'Birth Year': '1968', 'Stop Time': '2016-12-01 06:27:37', 'End Station Longitude': '-74.010065', 'Trip Duration': '1362', 'Start Station ID': '484', 'Start Station Longitude': '-73.98014437', 'End Station Latitude': '40.721319', 'End Station Name': 'Greenwich St & Hubert St', 'Start Time': '2016-12-01 06:04:55', 'Start Station Latitude': '40.75500254', 'End Station ID': '3436', 'Bike ID': '25666', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 44 St & 5 Ave'}

44/300 sending: {'Birth Year': '1979', 'Stop Time': '2016-12-01 06:22:47', 'End Station Longitude': '-74.00965965', 'Trip Duration': '1071', 'Start Station ID': '448', 'Start Station Longitude': '-73.9979009', 'End Station Latitude': '40.72405549', 'End Station Name': 'Watts St & Greenwich St', 'Start Time': '2016-12-01 06:04:56', 'Start Station Latitude': '40.75660359', 'End Station ID': '328', 'Bike ID': '22128', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 37 St & 10 Ave'}

45/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:14:00', 'End Station Longitude': '-73.98602213', 'Trip Duration': '540', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.74096374', 'End Station Name': 'E 24 St & Park Ave S', 'Start Time': '2016-12-01 06:05:00', 'Start Station Latitude': '40.75640548', 'End Station ID': '491', 'Bike ID': '27178', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

46/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:11:18', 'End Station Longitude': '-73.98859651', 'Trip Duration': '370', 'Start Station ID': '478', 'Start Station Longitude': '-73.99884222', 'End Station Latitude': '40.75929124', 'End Station Name': 'W 45 St & 8 Ave', 'Start Time': '2016-12-01 06:05:08', 'Start Station Latitude': '40.76030096', 'End Station ID': '2021', 'Bike ID': '26830', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '11 Ave & W 41 St'}

47/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:14:33', 'End Station Longitude': '-73.990541', 'Trip Duration': '556', 'Start Station ID': '456', 'Start Station Longitude': '-73.97402311', 'End Station Latitude': '40.771522', 'End Station Name': '11 Ave & W 59 St', 'Start Time': '2016-12-01 06:05:17', 'Start Station Latitude': '40.7597108', 'End Station ID': '530', 'Bike ID': '26328', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 53 St & Madison Ave'}

48/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:08:38', 'End Station Longitude': '-74.010065', 'Trip Duration': '158', 'Start Station ID': '147', 'Start Station Longitude': '-74.010065', 'End Station Latitude': '40.75929124', 'End Station Name': 'W 45 St & 8 Ave', 'Start Time': '2016-12-01 06:05:08', 'Start Station Latitude': '40.76030096', 'End Station ID': '2021', 'Bike ID': '26830', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '11 Ave & W 41 St'}

gitude': '-74.01121978', 'End Station Latitude': '40.721319', 'End Station Name': 'Greenwich St & Hubert St', 'Start Time': '2016-12-01 06:06:00', 'Start Station Latitude': '40.71542197', 'End Station ID': '3436', 'Bike ID': '16273', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Greenwich St & Warren St'})

49/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:19:19', 'End Station Longitude': '-73.9747', 'Trip Duration': '782', 'Start Station ID': '281', 'Start Station Longitude': '-73.97371465', 'End Station Latitude': '40.78839', 'End Station Name': 'W 87 St & Amsterdam Ave', 'Start Time': '2016-12-01 06:06:17', 'Start Station Latitude': '40.7643971', 'End Station ID': '3285', 'Bike ID': '26765', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Grand Army Plaza & Central Park S'})

50/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:16:27', 'End Station Longitude': '-73.9916', 'Trip Duration': '609', 'Start Station ID': '439', 'Start Station Longitude': '-73.98978041', 'End Station Latitude': '40.749156', 'End Station Name': 'W 31 St & 7 Ave', 'Start Time': '2016-12-01 06:06:18', 'Start Station Latitude': '40.7262807', 'End Station ID': '379', 'Bike ID': '22753', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 4 St & 2 Ave'})

51/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:14:00', 'End Station Longitude': '-73.95242929458618', 'Trip Duration': '458', 'Start Station ID': '3290', 'Start Station Longitude': '-73.946041', 'End Station Latitude': '40.78948541553215', 'End Station Name': 'Madison Ave & E 99 St', 'Start Time': '2016-12-01 06:06:22', 'Start Station Latitude': '40.7779453', 'End Station ID': '3345', 'Bike ID': '25295', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 89 St & York Ave'})

52/300 sending: {'Birth Year': '1974', 'Stop Time': '2016-12-01 06:21:40', 'End Station Longitude': '-73.95818491', 'Trip Duration': '907', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:06:33', 'Start Station Latitude': '40.75640548', 'End Station ID': '3141', 'Bike ID': '25065', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'})

53/300 sending: {'Birth Year': '1956', 'Stop Time': '2016-12-01 06:21:35', 'End Station Longitude': '-73.95818491', 'Trip Duration': '902', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:06:33', 'Start Station Latitude': '40.75640548', 'End Station ID': '3141', 'Bike ID': '26897', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'})

54/300 sending: {'Birth Year': '1960', 'Stop Time': '2016-12-01 06:10:50', 'End Station Longitude': '-74.010065', 'Trip Duration': '252', 'Start Station ID': '327', 'Start Station Longitude': '-74.01658354', 'End Station Latitude': '40.721319', 'End Station Name': 'Greenwich St & Hubert St', 'Start Time': '2016-12-01 06:06:38', 'Start Station Latitude': '40.7153379', 'End Station ID': '3436', 'Bike ID': '20941', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Vesey Pl & River Terrace'})

55/300 sending: {'Birth Year': '1961', 'Stop Time': '2016-12-01 06:10:19', 'End Station Longitude': '-74.00910627', 'Trip Duration': '218', 'Start Station ID': '327', 'Start Station Longitude': '-74.01658354', 'End Station Latitude': '40.71473993', 'End Station Name': 'Warren St & Church St', 'Start Time': '2016-12-01 06:06:40', 'Start Station Latitude': '40.7153379', 'End Station ID': '152', 'Bike ID': '19456', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Vesey Pl & River Terrace'})

56/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:13:59', 'End Station Longitude': '-73.96222088', 'Trip Duration': '438', 'Start Station ID': '3172', 'Start Station Longitude': '-73.97754961', 'End Station Latitude': '40.773763', 'End Station Name': 'E 76 St & Park Ave', 'Start Time': '2016-12-01 06:06:41', 'Start Station Latitude': '40.7785669', 'End Station ID': '3378', 'Bike ID': '19525', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 74 St & Columbus Ave'})

57/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:27:53', 'End Station Longitude': '-73.98955109', 'Trip Duration': '1257', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.7403432', 'End Station Name': 'Broadway & E 22 St', 'Start Time': '2016-12-01 06:06:55', 'Start Station Latitude': '40.7575699', 'End Station ID': '402', 'Bike ID': '22872', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'})

58/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:16:23', 'End Station Longitude': '-73.99949601', 'Trip Duration': '567', 'Start Station ID': '3002', 'Start Station Longitude': '-74.015756', 'End Station Latitude': '40.72362738', 'End Station Name': 'Mercer St & Spring St', 'Start Time': '2016-12-01 06:06:55', 'Start Station Latitude': '40.711512', 'End Station ID': '303', 'Bike ID': '23773', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'South End Ave & Liberty St'})

59/300 sending: {'Birth Year': '1961', 'Stop Time': '2016-12-01 06:12:04', 'End Station Longitude': '-73.95348296', 'Trip Duration': '304', 'Start Station ID': '3370', 'Start Station Longitude': '-73.95577801', 'End Station Latitude': '40.76663814', 'End Station Name': 'E 72 St & York Ave', 'Start Time': '2016-12-01 06:06:59', 'Start Station Latitude': '40.7272966', 'End Station ID': '3156', 'Bike ID': '22264', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 78 St & 2 Ave'})

60/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:27:51', 'End Station Longitude': '-73.98955109', 'Trip Duration': '1249', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.7403432', 'End Station Name': 'Broadway & E 22 St', 'Start Time': '2016-12-01 06:07:01', 'Start Station Latitude': '40.7575699', 'End Station ID': '402', 'Bike ID': '23776', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'})

61/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:10:19', 'End Station Longitude': '-73.94803392', 'Trip Duration': '189', 'Start Station ID': '3147', 'Start Station Longitude': '-73.95407149', 'End Station Latitude': '40.77536905', 'End Station Name': 'E 85 St & York Ave', 'Start Time': '2016-12-01 06:07:09', 'Start Station Latitude': '40.77801203', 'End Station ID': '3150', 'Bike ID': '14798', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 85 St & 3 Ave'})

62/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:20:23', 'End Station Longitude': '-73.97031366', 'Trip Duration': '791', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.75968085', 'End Station Name': 'E 55 St & Lexington Ave', 'Start Time': '2016-12-01 06:07:11', 'Start Station Latitude': '40.75640548', 'End Station ID': '2023', 'Bike ID': '24081', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'})

63/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:25:16', 'End Station Longitude': '-73.990541', 'Trip Duration': '1082', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.771522', 'End Station Name': '11 Ave & W 59 St', 'Start Time': '2016-12-01 06:07:14', 'Start Station Latitude': '40.7575699', 'End Station ID': '530', 'Bike ID': '26605', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'})

64/300 sending: {'Birth Year': '1959', 'Stop Time': '2016-12-01 06:20:10', 'End Station Longitude': '-73.96910458803177', 'Trip Duration': '773', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.764210071690634', 'End Station Name': 'E 61 St & Park Ave', 'Start Time': '2016-12-01 06:07:17', 'Start Station Latitude': '40.7575699', 'End Station ID': '3264', 'Bike ID': '16674', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'})

65/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:10:35', 'End Station Longitude': '-73.98753523', 'Trip Duration': '185', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.75172632', 'End Station Name': 'Broadway & W 37 St', 'Start Time': '2016-12-01 06:07:29', 'Start Station Latitude': '40.75640548', 'End Station ID': '362', 'Bike ID': '15025', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 41 St & 8 Ave'})

66/300 sending: {'Birth Year': '1959', 'Stop Time': '2016-12-01 06:19:23', 'End Station Longitude': '-73.98266566', 'Trip Duration': '709', 'Start Station ID': '478', 'Start Station Longitude': '-73.99884222', 'End Station Latitude': '40.77492513', 'End Station Name': 'W 67 St & Broadway', 'Start Time': '2016-12-01 06:07:34', 'Start Station Latitude': '40.76030096'}

, 'End Station ID': '3159', 'Bike ID': '25381', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '11 Ave & W 41 St'}
67/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:19:20', 'End Station Longitude': '-74.01043382', 'Trip Duration': '698', 'Start Station ID': '150', 'Start Station Longitude': '-73.98085795', 'End Station Latitude': '40.70905623', 'End Station Name': 'Liberty St & Broadway', 'Start Time': '2016-12-01 06:07:42', 'Start Station Latitude': '40.7208736', 'End Station ID': '195', 'Bike ID': '26899', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 2 St & Avenue C'}
68/300 sending: {'Birth Year': '1972', 'Stop Time': '2016-12-01 06:38:16', 'End Station Longitude': '-74.0127234', 'Trip Duration': '1834', 'Start Station ID': '515', 'Start Station Longitude': '-73.99461843', 'End Station Latitude': '40.70255065', 'End Station Name': 'Water - Whitehall Plaza', 'Start Time': '2016-12-01 06:07:41', 'Start Station Latitude': '40.76009437', 'End Station ID': '534', 'Bike ID': '18805', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 43 St & 10 Ave'}
69/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:25:16', 'End Station Longitude': '-73.990541', 'Trip Duration': '1054', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.771522', 'End Station Name': '11 Ave & W 59 St', 'Start Time': '2016-12-01 06:07:42', 'Start Station Latitude': '40.7575699', 'End Station ID': '530', 'Bike ID': '17273', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
70/300 sending: {'Birth Year': '1954', 'Stop Time': '2016-12-01 06:19:39', 'End Station Longitude': '-73.97973776', 'Trip Duration': '708', 'Start Station ID': '439', 'Start Station Longitude': '-73.98978041', 'End Station Latitude': '40.73912601', 'End Station Name': 'E 25 St & 2 Ave', 'Start Time': '2016-12-01 06:07:50', 'Start Station Latitude': '40.7262807', 'End Station ID': '507', 'Bike ID': '15596', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 4 St & 2 Ave'}
71/300 sending: {'Birth Year': '1984', 'Stop Time': '2016-12-01 06:18:12', 'End Station Longitude': '-73.97498696', 'Trip Duration': '614', 'Start Station ID': '2012', 'Start Station Longitude': '-73.976806', 'End Station Latitude': '40.75510267', 'End Station Name': 'E 47 St & Park Ave', 'Start Time': '2016-12-01 06:07:58', 'Start Station Latitude': '40.739445', 'End Station ID': '359', 'Bike ID': '27303', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 27 St & 1 Ave'}
72/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:10:39', 'End Station Longitude': '-73.99529885', 'Trip Duration': '156', 'Start Station ID': '444', 'Start Station Longitude': '-73.98915076', 'End Station Latitude': '40.74487634', 'End Station Name': 'W 24 St & 7 Ave', 'Start Time': '2016-12-01 06:08:02', 'Start Station Latitude': '40.7423543', 'End Station ID': '446', 'Bike ID': '24926', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Broadway & W 24 St'}
73/300 sending: {'Birth Year': '1954', 'Stop Time': '2016-12-01 06:13:43', 'End Station Longitude': '-73.97791', 'Trip Duration': '319', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.751581', 'End Station Name': 'Pershing Square South', 'Start Time': '2016-12-01 06:08:24', 'Start Station Latitude': '40.75640548', 'End Station ID': '517', 'Bike ID': '19811', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
74/300 sending: {'Birth Year': '1954', 'Stop Time': '2016-12-01 06:19:30', 'End Station Longitude': '-74.00234482', 'Trip Duration': '656', 'Start Station ID': '2008', 'Start Station Longitude': '-74.01677685', 'End Station Latitude': '40.71494807', 'End Station Name': 'Centre St & Worth St', 'Start Time': '2016-12-01 06:08:34', 'Start Station Latitude': '40.70569254', 'End Station ID': '386', 'Bike ID': '25905', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Little West St & 1 Pl'}
75/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:13:57', 'End Station Longitude': '-74.0026376103', 'Trip Duration': '313', 'Start Station ID': '509', 'Start Station Longitude': '-74.00197139', 'End Station Latitude': '40.7390169121', 'End Station Name': 'Greenwich Ave & 8 Ave', 'Start Time': '2016-12-01 06:08:43', 'Start Station Latitude': '40.7454973', 'End Station ID': '284', 'Bike ID': '17064', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '9 Ave & W 22 St'}
76/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:16:56', 'End Station Longitude': '-73.98336183', 'Trip Duration': '490', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76228826', 'End Station Name': 'Broadway & W 51 St', 'Start Time': '2016-12-01 06:08:45', 'Start Station Latitude': '40.75640548', 'End Station ID': '500', 'Bike ID': '16617', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
77/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:22:48', 'End Station Longitude': '-73.99704374', 'Trip Duration': '832', 'Start Station ID': '312', 'Start Station Longitude': '-73.989111', 'End Station Latitude': '40.73649403', 'End Station Name': 'W 13 St & 6 Ave', 'Start Time': '2016-12-01 06:08:55', 'Start Station Latitude': '40.722055', 'End Station ID': '345', 'Bike ID': '24880', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Allen St & Stanton St'}
78/300 sending: {'Birth Year': '1952', 'Stop Time': '2016-12-01 06:16:28', 'End Station Longitude': '-73.98192338', 'Trip Duration': '450', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.7652654', 'End Station Name': 'Broadway & W 55 St', 'Start Time': '2016-12-01 06:08:57', 'Start Station Latitude': '40.75640548', 'End Station ID': '468', 'Bike ID': '25696', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
79/300 sending: {'Birth Year': '1979', 'Stop Time': '2016-12-01 06:12:16', 'End Station Longitude': '-74.0021163', 'Trip Duration': '187', 'Start Station ID': '514', 'Start Station Longitude': '-74.00277668', 'End Station Latitude': '40.75594159', 'End Station Name': 'W 34 St & 11 Ave', 'Start Time': '2016-12-01 06:09:08', 'Start Station Latitude': '40.76087502', 'End Station ID': '525', 'Bike ID': '26417', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '12 Ave & W 40 St'}
80/300 sending: {'Birth Year': '1980', 'Stop Time': '2016-12-01 06:15:37', 'End Station Longitude': '-73.9919254', 'Trip Duration': '382', 'Start Station ID': '307', 'Start Station Longitude': '-73.98990025', 'End Station Latitude': '40.72110063', 'End Station Name': 'Rivington St & Chrystie St', 'Start Time': '2016-12-01 06:09:14', 'Start Station Latitude': '40.71427487', 'End Station ID': '473', 'Bike ID': '23380', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Canal St & Rutgers St'}
81/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:12:24', 'End Station Longitude': '-73.96222088', 'Trip Duration': '187', 'Start Station ID': '3146', 'Start Station Longitude': '-73.9567526', 'End Station Latitude': '40.773763', 'End Station Name': 'E 76 St & Park Ave', 'Start Time': '2016-12-01 06:09:16', 'Start Station Latitude': '40.77573034', 'End Station ID': '3378', 'Bike ID': '23625', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 81 St & 3 Ave'}
82/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:24:28', 'End Station Longitude': '-73.96060712', 'Trip Duration': '912', 'Start Station ID': '3328', 'Start Station Longitude': '-73.9645', 'End Station Latitude': '40.7699426', 'End Station Name': '3 Ave & E 72 St', 'Start Time': '2016-12-01 06:09:16', 'Start Station Latitude': '40.795', 'End Station ID': '3375', 'Bike ID': '19574', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 100 St & Manhattan Ave'}
83/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:16:46', 'End Station Longitude': '-73.97648516', 'Trip Duration': '444', 'Start Station ID': '3236', 'Start Station Longitude': '-73.99379968643188', 'End Station Latitude': '40.75992262', 'End Station Name': 'W 52 St & 5 Ave', 'Start Time': '2016-12-01 06:09:21', 'Start Station Latitude': '40.75898481399634', 'End Station ID': '520', 'Bike ID': '22276', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & Dyer Ave'}
84/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:20:42', 'End Station Longitude': '-73.976056', 'Trip Duration': '672', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.744023', 'End Station Name': 'E 33 St & 2 Ave', 'Start Time': '2016-12-01 06:09:29', 'Start Station Latitude': '40.75640548', 'End Station ID': '527', 'Bike ID': '20174', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

85/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:20:54', 'End Station Longitude': '-73.97805914282799', 'Trip Duration': '672', 'Start Station ID': '545', 'Start Station Longitude': '-73.97809472', 'End Station Latitude': '40.75724567911726', 'End Station Name': 'E 48 St & 5 Ave', 'Start Time': '2016-12-01 06:09:42', 'Start Station Latitude': '40.736502', 'End Station ID': '3233', 'Bike ID': '25208', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 23 St & 1 Ave'}

86/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:17:44', 'End Station Longitude': '-73.9851615', 'Trip Duration': '477', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.76370739', 'End Station Name': '8 Ave & W 52 St', 'Start Time': '2016-12-01 06:09:46', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '447', 'Bike ID': '27327', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}

87/300 sending: {'Birth Year': '1986', 'Stop Time': '2016-12-01 06:27:00', 'End Station Longitude': '-73.95818491', 'Trip Duration': '1034', 'Start Station ID': '3360', 'Start Station Longitude': '-73.9786517', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:09:45', 'Start Station Latitude': '40.7829391', 'End Station ID': '3141', 'Bike ID': '18140', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Amsterdam Ave & W 79 St'}

88/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:15:55', 'End Station Longitude': '-73.98683077', 'Trip Duration': '366', 'Start Station ID': '174', 'Start Station Longitude': '-73.97738662', 'End Station Latitude': '40.7451677', 'End Station Name': '5 Ave & E 29 St', 'Start Time': '2016-12-01 06:09:49', 'Start Station Latitude': '40.7381765', 'End Station ID': '474', 'Bike ID': '22811', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 25 St & 1 Ave'}

89/300 sending: {'Birth Year': '1967', 'Stop Time': '2016-12-01 06:14:48', 'End Station Longitude': '-73.9845272898674', 'Trip Duration': '278', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.76068327096592', 'End Station Name': 'Broadway & W 49 St', 'Start Time': '2016-12-01 06:10:10', 'Start Station Latitude': '40.7575699', 'End Station ID': '173', 'Bike ID': '27261', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}

90/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:31:50', 'End Station Longitude': '-74.01658354', 'Trip Duration': '1297', 'Start Station ID': '514', 'Start Station Longitude': '-74.00277668', 'End Station Latitude': '40.7153379', 'End Station Name': 'Vesey Pl & River Terrace', 'Start Time': '2016-12-01 06:10:12', 'Start Station Latitude': '40.76087502', 'End Station ID': '327', 'Bike ID': '16394', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '12 Ave & W 40 St'}

91/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:27:18', 'End Station Longitude': '-73.95772297', 'Trip Duration': '1025', 'Start Station ID': '504', 'Start Station Longitude': '-73.98165557', 'End Station Latitude': '40.77112927', 'End Station Name': 'E 75 St & 3 Ave', 'Start Time': '2016-12-01 06:10:13', 'Start Station Latitude': '40.73221853', 'End Station ID': '3135', 'Bike ID': '25079', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '1 Ave & E 16 St'}

92/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:19:52', 'End Station Longitude': '-73.99480012', 'Trip Duration': '575', 'Start Station ID': '502', 'Start Station Longitude': '-73.981346', 'End Station Latitude': '40.72317958', 'End Station Name': 'Mott St & Prince St', 'Start Time': '2016-12-01 06:10:17', 'Start Station Latitude': '40.714215', 'End Station ID': '251', 'Bike ID': '23425', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Henry St & Grand St'}

93/300 sending: {'Birth Year': '1961', 'Stop Time': '2016-12-01 06:27:48', 'End Station Longitude': '-73.96094022', 'Trip Duration': '1050', 'Start Station ID': '3167', 'Start Station Longitude': '-73.98093044757842', 'End Station Latitude': '40.7612274', 'End Station Name': '1 Ave & E 62 St', 'Start Time': '2016-12-01 06:10:17', 'Start Station Latitude': '40.77966809007312', 'End Station ID': '3142', 'Bike ID': '19478', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Amsterdam Ave & W 73 St'}

94/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:13:40', 'End Station Longitude': '-73.977885', 'Trip Duration': '200', 'Start Station ID': '167', 'Start Station Longitude': '-73.97604882', 'End Station Latitude': '40.746524', 'End Station Name': 'E 35 St & 3 Ave', 'Start Time': '2016-12-01 06:10:20', 'Start Station Latitude': '40.7489006', 'End Station ID': '3431', 'Bike ID': '19093', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 39 St & 3 Ave'}

95/300 sending: {'Birth Year': '1973', 'Stop Time': '2016-12-01 06:25:22', 'End Station Longitude': '-73.98602213', 'Trip Duration': '900', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.74096374', 'End Station Name': 'E 24 St & Park Ave S', 'Start Time': '2016-12-01 06:10:21', 'Start Station Latitude': '40.75640548', 'End Station ID': '491', 'Bike ID': '27154', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

96/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:15:49', 'End Station Longitude': '-73.98205027', 'Trip Duration': '321', 'Start Station ID': '435', 'Start Station Longitude': '-73.99415556', 'End Station Latitude': '40.73587678', 'End Station Name': 'E 20 St & 2 Ave', 'Start Time': '2016-12-01 06:10:27', 'Start Station Latitude': '40.74173969', 'End Station ID': '461', 'Bike ID': '26392', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 21 St & 6 Ave'}

97/300 sending: {'Birth Year': '1959', 'Stop Time': '2016-12-01 06:26:54', 'End Station Longitude': '-73.98205027', 'Trip Duration': '985', 'Start Station ID': '523', 'Start Station Longitude': '-73.99138152', 'End Station Latitude': '40.73587678', 'End Station Name': 'E 20 St & 2 Ave', 'Start Time': '2016-12-01 06:10:28', 'Start Station Latitude': '40.75466591', 'End Station ID': '461', 'Bike ID': '26837', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 38 St & 8 Ave'}

98/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:15:52', 'End Station Longitude': '-73.96094022', 'Trip Duration': '315', 'Start Station ID': '455', 'Start Station Longitude': '-73.96905301', 'End Station Latitude': '40.7612274', 'End Station Name': '1 Ave & E 62 St', 'Start Time': '2016-12-01 06:10:37', 'Start Station Latitude': '40.75001986', 'End Station ID': '3142', 'Bike ID': '16413', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '1 Ave & E 44 St'}

99/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:14:51', 'End Station Longitude': '-74.000271', 'Trip Duration': '253', 'Start Station ID': '358', 'Start Station Longitude': '-74.00711384', 'End Station Latitude': '40.735238', 'End Station Name': 'Greenwich Ave & Charles St', 'Start Time': '2016-12-01 06:10:37', 'Start Station Latitude': '40.73291553', 'End Station ID': '383', 'Bike ID': '21556', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Christopher St & Greenwich St'}

100/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:19:44', 'End Station Longitude': '-73.97805914282799', 'Trip Duration': '546', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.75724567911726', 'End Station Name': 'E 48 St & 5 Ave', 'Start Time': '2016-12-01 06:10:38', 'Start Station Latitude': '40.7575699', 'End Station ID': '3233', 'Bike ID': '20963', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}

101/300 sending: {'Birth Year': '1959', 'Stop Time': '2016-12-01 06:24:40', 'End Station Longitude': '-73.97728532552719', 'Trip Duration': '832', 'Start Station ID': '3372', 'Start Station Longitude': '-73.95482273', 'End Station Latitude': '40.7801839724239', 'End Station Name': 'W 76 St & Columbus Ave', 'Start Time': '2016-12-01 06:10:48', 'Start Station Latitude': '40.7689738', 'End Station ID': '3161', 'Bike ID': '17617', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 74 St & 1 Ave'}

102/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:14:12', 'End Station Longitude': '-73.98955109', 'Trip Duration': '202', 'Start Station ID': '285', 'Start Station Longitude': '-73.99074142', 'End Station Latitude': '40.7403432', 'End Station Name': 'Broadway & E 22 St', 'Start Time': '2016-12-01 06:10:50', 'Start Station Latitude': '40.73454567', 'End Station ID': '402', 'Bike ID': '27280', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Broadway & E 14 St'}

103/300 sending: {'Birth Year': '', 'Stop Time': '2016-12-01 06:14:58', 'End Station Longitude': '-73.976806', 'Trip Duration': '245', 'Start Station ID': '546', 'Start Station Longitude': ''}

ude': '-73.98303529', 'End Station Latitude': '40.739445', 'End Station Name': 'E 27 St & 1 Ave', 'Start Time': '2016-12-01 06:10:53', 'Start Station Latitude': '40.74444921', 'End Station ID': '2012', 'Bike ID': '25476', 'User Type': 'Subscriber', 'Gender': '0', 'Start Station Name': 'E 30 St & Park Ave S'}
104/300 sending: {'Birth Year': '1994', 'Stop Time': '2016-12-01 06:19:42', 'End Station Longitude': '-73.97536082', 'Trip Duration': '514', 'Start Station ID': '379', 'Start Station Longitude': '-73.9916', 'End Station Latitude': '40.74144387', 'End Station Name': '1 Ave & E 30 St', 'Start Time': '2016-12-01 06:11:08', 'Start Station Latitude': '40.749156', 'End Station ID': '536', 'Bike ID': '15160', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 31 St & 7 Ave'}
105/300 sending: {'Birth Year': '1973', 'Stop Time': '2016-12-01 06:18:03', 'End Station Longitude': '-73.98336183', 'Trip Duration': '416', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76228826', 'End Station Name': 'Broadway & W 51 St', 'Start Time': '2016-12-01 06:11:07', 'Start Station Latitude': '40.751551', 'End Station ID': '500', 'Bike ID': '25695', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
106/300 sending: {'Birth Year': '1975', 'Stop Time': '2016-12-01 06:21:19', 'End Station Longitude': '-73.99392888', 'Trip Duration': '611', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76727216', 'End Station Name': 'W 52 St & 11 Ave', 'Start Time': '2016-12-01 06:11:07', 'Start Station Latitude': '40.751551', 'End Station ID': '72', 'Bike ID': '18618', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
107/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:25:45', 'End Station Longitude': '-73.976806', 'Trip Duration': '876', 'Start Station ID': '350', 'Start Station Longitude': '-73.9870295', 'End Station Latitude': '40.739445', 'End Station Name': 'E 27 St & 1 Ave', 'Start Time': '2016-12-01 06:11:08', 'Start Station Latitude': '40.71559509', 'End Station ID': '2012', 'Bike ID': '25764', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Clinton St & Grand St'}
108/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:16:32', 'End Station Longitude': '-73.98093044757842', 'Trip Duration': '321', 'Start Station ID': '3170', 'Start Station Longitude': '-73.97283406', 'End Station Latitude': '40.77966809007312', 'End Station Name': 'Amsterdam Ave & W 73 St', 'Start Time': '2016-12-01 06:11:10', 'Start Station Latitude': '40.78499979', 'End Station ID': '3167', 'Bike ID': '22340', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 84 St & Columbus Ave'}
109/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:43:21', 'End Station Longitude': '-73.97109243', 'Trip Duration': '1929', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.76350532', 'End Station Name': 'E 59 St & Madison Ave', 'Start Time': '2016-12-01 06:11:12', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '3132', 'Bike ID': '26807', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
110/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:20:31', 'End Station Longitude': '-74.00681753', 'Trip Duration': '553', 'Start Station ID': '368', 'Start Station Longitude': '-74.00214988', 'End Station Latitude': '40.74334935', 'End Station Name': 'W 16 St & The High Line', 'Start Time': '2016-12-01 06:11:18', 'Start Station Latitude': '40.73038599', 'End Station ID': '212', 'Bike ID': '25021', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Carmine St & 6 Ave'}
111/300 sending: {'Birth Year': '1964', 'Stop Time': '2016-12-01 06:20:44', 'End Station Longitude': '-73.99147535', 'Trip Duration': '565', 'Start Station ID': '511', 'Start Station Longitude': '-73.97772429', 'End Station Latitude': '40.72229346', 'End Station Name': 'Stanton St & Chrystie St', 'Start Time': '2016-12-01 06:11:18', 'Start Station Latitude': '40.72938685', 'End Station ID': '265', 'Bike ID': '22184', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 14 St & Avenue B'}
112/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:21:02', 'End Station Longitude': '-73.97498696', 'Trip Duration': '579', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.75510267', 'End Station Name': 'E 47 St & Park Ave', 'Start Time': '2016-12-01 06:11:23', 'Start Station Latitude': '40.75019995', 'End Station ID': '359', 'Bike ID': '26982', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
113/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:21:04', 'End Station Longitude': '-73.97402311', 'Trip Duration': '568', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.7597108', 'End Station Name': 'E 53 St & Madison Ave', 'Start Time': '2016-12-01 06:11:36', 'Start Station Latitude': '40.75019995', 'End Station ID': '456', 'Bike ID': '22997', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
114/300 sending: {'Birth Year': '1967', 'Stop Time': '2016-12-01 06:14:40', 'End Station Longitude': '-73.98490707', 'Trip Duration': '183', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.74765947', 'End Station Name': 'E 33 St & 5 Ave', 'Start Time': '2016-12-01 06:11:36', 'Start Station Latitude': '40.75019995', 'End Station ID': '526', 'Bike ID': '25417', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
115/300 sending: {'Birth Year': '1956', 'Stop Time': '2016-12-01 06:39:30', 'End Station Longitude': '-74.00562789', 'Trip Duration': '1665', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.71450451', 'End Station Name': 'Reade St & Broadway', 'Start Time': '2016-12-01 06:11:44', 'Start Station Latitude': '40.751551', 'End Station ID': '330', 'Bike ID': '23215', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '8 Ave & W 33 St'}
116/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:29:17', 'End Station Longitude': '-73.98473765', 'Trip Duration': '1050', 'Start Station ID': '502', 'Start Station Longitude': '-73.981346', 'End Station Latitude': '40.73624527', 'End Station Name': 'E 19 St & 3 Ave', 'Start Time': '2016-12-01 06:11:46', 'Start Station Latitude': '40.714215', 'End Station ID': '325', 'Bike ID': '22928', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Henry St & Grand St'}
117/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:46:31', 'End Station Longitude': '-73.99480012', 'Trip Duration': '2084', 'Start Station ID': '3140', 'Start Station Longitude': '-73.9535166', 'End Station Latitude': '40.72317958', 'End Station Name': 'Mott St & Prince St', 'Start Time': '2016-12-01 06:11:47', 'Start Station Latitude': '40.77140426', 'End Station ID': '251', 'Bike ID': '25333', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '1 Ave & E 78 St'}
118/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:21:46', 'End Station Longitude': '-73.98014437', 'Trip Duration': '589', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.75500254', 'End Station Name': 'W 44 St & 5 Ave', 'Start Time': '2016-12-01 06:11:56', 'Start Station Latitude': '40.751551', 'End Station ID': '484', 'Bike ID': '23910', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
119/300 sending: {'Birth Year': '1967', 'Stop Time': '2016-12-01 06:28:50', 'End Station Longitude': '-73.96222069859505', 'Trip Duration': '1013', 'Start Station ID': '498', 'Start Station Longitude': '-73.98808416', 'End Station Latitude': '40.76471851944339', 'End Station Name': 'E 65 St & 2 Ave', 'Start Time': '2016-12-01 06:11:57', 'Start Station Latitude': '40.74854862', 'End Station ID': '3376', 'Bike ID': '15589', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Broadway & W 32 St'}
120/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:28:33', 'End Station Longitude': '-73.98602213', 'Trip Duration': '994', 'Start Station ID': '3161', 'Start Station Longitude': '-73.97728532552719', 'End Station Latitude': '40.74096374', 'End Station Name': 'E 24 St & Park Ave S', 'Start Time': '2016-12-01 06:11:59', 'Start Station Latitude': '40.7801839724239', 'End Station ID': '491', 'Bike ID': '24284', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 76 St & Columbus Ave'}
121/300 sending: {'Birth Year': '1969', 'Stop Time': '2016-12-01 06:23:35', 'End Station Longitude': '-73.9734419', 'Trip Duration': '694', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.74780373', 'End Station Name': 'E 39 St & 2 Ave', 'Start Time': '2016-12-01 06:12:01', 'Start Station Latitude': '40.75640548', 'End Station ID': '3376', 'Bike ID': '15589', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Broadway & W 32 St'}

nd Station ID': '518', 'Bike ID': '14603', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
122/300 sending: {'Birth Year': '1967', 'Stop Time': '2016-12-01 06:28:41', 'End Station Longitude': '-73.96222088', 'Trip Duration': '994', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.773763', 'End Station Name': 'E 76 St & Park Ave', 'Start Time': '2016-12-01 06:12:07', 'Start Station Latitude': '40.7575699', 'End Station ID': '3378', 'Bike ID': '18678', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
123/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:24:28', 'End Station Longitude': '-73.97069431', 'Trip Duration': '737', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.75828065', 'End Station Name': 'E 53 St & Lexington Ave', 'Start Time': '2016-12-01 06:12:10', 'Start Station Latitude': '40.75640548', 'End Station ID': '367', 'Bike ID': '16739', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
124/300 sending: {'Birth Year': '1968', 'Stop Time': '2016-12-01 06:28:35', 'End Station Longitude': '-73.9900262', 'Trip Duration': '983', 'Start Station ID': '285', 'Start Station Longitude': '-73.99074142', 'End Station Latitude': '40.75640548', 'End Station Name': 'W 41 St & 8 Ave', 'Start Time': '2016-12-01 06:12:11', 'Start Station Latitude': '40.73454567', 'End Station ID': '477', 'Bike ID': '14917', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Broadway & E 14 St'}
125/300 sending: {'Birth Year': '1977', 'Stop Time': '2016-12-01 06:26:09', 'End Station Longitude': '-73.96060712', 'Trip Duration': '837', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.7699426', 'End Station Name': '3 Ave & E 72 St', 'Start Time': '2016-12-01 06:12:12', 'Start Station Latitude': '40.7575699', 'End Station ID': '3375', 'Bike ID': '22206', 'User Type': 'Subscriber', 'Gender': '0', 'Start Station Name': 'W 42 St & 8 Ave'}
126/300 sending: {'Birth Year': '1976', 'Stop Time': '2016-12-01 06:15:32', 'End Station Longitude': '-73.976806', 'Trip Duration': '199', 'Start Station ID': '504', 'Start Station Longitude': '-73.98165557', 'End Station Latitude': '40.739445', 'End Station Name': 'E 27 St & 1 Ave', 'Start Time': '2016-12-01 06:12:13', 'Start Station Latitude': '40.73221853', 'End Station ID': '2012', 'Bike ID': '19021', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '1 Ave & E 16 St'}
127/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:16:18', 'End Station Longitude': '-73.98191841', 'Trip Duration': '244', 'Start Station ID': '450', 'Start Station Longitude': '-73.98788205', 'End Station Latitude': '40.76915505', 'End Station Name': 'Broadway & W 60 St', 'Start Time': '2016-12-01 06:12:13', 'Start Station Latitude': '40.76227205', 'End Station ID': '499', 'Bike ID': '22198', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 49 St & 8 Ave'}
128/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:25:58', 'End Station Longitude': '-73.98014437', 'Trip Duration': '823', 'Start Station ID': '3172', 'Start Station Longitude': '-73.97754961', 'End Station Latitude': '40.75500254', 'End Station Name': 'W 44 St & 5 Ave', 'Start Time': '2016-12-01 06:12:14', 'Start Station Latitude': '40.7785669', 'End Station ID': '484', 'Bike ID': '25254', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 74 St & Columbus Ave'}
129/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:16:40', 'End Station Longitude': '-73.990541', 'Trip Duration': '265', 'Start Station ID': '449', 'Start Station Longitude': '-73.98789473', 'End Station Latitude': '40.771522', 'End Station Name': '11 Ave & W 59 St', 'Start Time': '2016-12-01 06:12:14', 'Start Station Latitude': '40.76461837', 'End Station ID': '530', 'Bike ID': '24273', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 52 St & 9 Ave'}
130/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:26:23', 'End Station Longitude': '-73.96724467', 'Trip Duration': '845', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.76095756', 'End Station Name': 'E 58 St & 3 Ave', 'Start Time': '2016-12-01 06:12:17', 'Start Station Latitude': '40.7575699', 'End Station ID': '305', 'Bike ID': '17502', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
131/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:22:35', 'End Station Longitude': '-73.97498696', 'Trip Duration': '617', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.75510267', 'End Station Name': 'E 47 St & Park Ave', 'Start Time': '2016-12-01 06:12:18', 'Start Station Latitude': '40.751551', 'End Station ID': '359', 'Bike ID': '25388', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
132/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:26:02', 'End Station Longitude': '-73.97282625', 'Trip Duration': '822', 'Start Station ID': '3144', 'Start Station Longitude': '-73.9590097', 'End Station Latitude': '40.75255434', 'End Station Name': 'E 45 St & 3 Ave', 'Start Time': '2016-12-01 06:12:20', 'Start Station Latitude': '40.77677702', 'End Station ID': '440', 'Bike ID': '26057', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 81 St & Park Ave'}
133/300 sending: {'Birth Year': '1963', 'Stop Time': '2016-12-01 06:25:54', 'End Station Longitude': '-73.96724467', 'Trip Duration': '811', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.76095756', 'End Station Name': 'E 58 St & 3 Ave', 'Start Time': '2016-12-01 06:12:23', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '305', 'Bike ID': '24185', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
134/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:17:48', 'End Station Longitude': '-73.97371465', 'Trip Duration': '322', 'Start Station ID': '3163', 'Start Station Longitude': '-73.97782542', 'End Station Latitude': '40.7643971', 'End Station Name': 'Grand Army Plaza & Central Park S', 'Start Time': '2016-12-01 06:12:25', 'Start Station Latitude': '40.7734066', 'End Station ID': '281', 'Bike ID': '26509', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Central Park West & W 68 St'}
135/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:33:17', 'End Station Longitude': '-74.00887308', 'Trip Duration': '1248', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.70717936', 'End Station Name': 'William St & Pine St', 'Start Time': '2016-12-01 06:12:29', 'Start Station Latitude': '40.751551', 'End Station ID': '360', 'Bike ID': '21984', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
136/300 sending: {'Birth Year': '1984', 'Stop Time': '2016-12-01 06:17:34', 'End Station Longitude': '-73.993934', 'Trip Duration': '301', 'Start Station ID': '453', 'Start Station Longitude': '-73.99915362', 'End Station Latitude': '40.751551', 'End Station Name': '8 Ave & W 33 St', 'Start Time': '2016-12-01 06:12:33', 'Start Station Latitude': '40.74475148', 'End Station ID': '490', 'Bike ID': '23403', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 22 St & 8 Ave'}
137/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:16:37', 'End Station Longitude': '-73.990541', 'Trip Duration': '243', 'Start Station ID': '449', 'Start Station Longitude': '-73.98789473', 'End Station Latitude': '40.771522', 'End Station Name': '11 Ave & W 59 St', 'Start Time': '2016-12-01 06:12:33', 'Start Station Latitude': '40.76461837', 'End Station ID': '530', 'Bike ID': '23056', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 52 St & 9 Ave'}
138/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:20:34', 'End Station Longitude': '-73.98336183', 'Trip Duration': '474', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76228826', 'End Station Name': 'Broadway & W 51 St', 'Start Time': '2016-12-01 06:12:39', 'Start Station Latitude': '40.751551', 'End Station ID': '500', 'Bike ID': '25686', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
139/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:22:13', 'End Station Longitude': '-73.99392888', 'Trip Duration': '573', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76727216', 'End Station Name': 'W 52 St & 11 Ave', 'Start Time': '2016-12-01 06:12:40', 'Start Station Latitude': '40.751551', 'End Station ID': '72', 'Bike ID': '15133', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}

140/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:29:23', 'End Station Longitude': '-74.010065', 'Trip Duration': '995', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.721319', 'End Station Name': 'Greenwich St & Hubert St', 'Start Time': '2016-12-01 06:12:47', 'Start Station Latitude': '40.7575699', 'End Station ID': '3436', 'Bike ID': '22702', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}

141/300 sending: {'Birth Year': '1967', 'Stop Time': '2016-12-01 06:17:07', 'End Station Longitude': '-74.000271', 'Trip Duration': '255', 'Start Station ID': '346', 'Start Station Longitude': '-74.00618026', 'End Station Latitude': '40.735238', 'End Station Name': 'Greenwich Ave & Charles St', 'Start Time': '2016-12-01 06:12:51', 'Start Station Latitude': '40.73652889', 'End Station ID': '383', 'Bike ID': '21414', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Bank St & Hudson St'}

142/300 sending: {'Birth Year': '1993', 'Stop Time': '2016-12-01 06:16:51', 'End Station Longitude': '-73.986923', 'Trip Duration': '239', 'Start Station ID': '433', 'Start Station Longitude': '-73.98057249', 'End Station Latitude': '40.734232', 'End Station Name': 'E 15 St & 3 Ave', 'Start Time': '2016-12-01 06:12:52', 'Start Station Latitude': '40.72955361', 'End Station ID': '297', 'Bike ID': '15855', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 13 St & Avenue A'}

143/300 sending: {'Birth Year': '1970', 'Stop Time': '2016-12-01 06:19:26', 'End Station Longitude': '-73.977706', 'Trip Duration': '389', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.751873', 'End Station Name': 'Pershing Square North', 'Start Time': '2016-12-01 06:12:56', 'Start Station Latitude': '40.75019995', 'End Station ID': '519', 'Bike ID': '22697', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}

144/300 sending: {'Birth Year': '1977', 'Stop Time': '2016-12-01 06:19:29', 'End Station Longitude': '-73.976056', 'Trip Duration': '390', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.744023', 'End Station Name': 'E 33 St & 2 Ave', 'Start Time': '2016-12-01 06:12:59', 'Start Station Latitude': '40.75019995', 'End Station ID': '527', 'Bike ID': '18515', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}

145/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:17:00', 'End Station Longitude': '-73.98978041', 'Trip Duration': '236', 'Start Station ID': '317', 'Start Station Longitude': '-73.98185424', 'End Station Latitude': '40.7262807', 'End Station Name': 'E 4 St & 2 Ave', 'Start Time': '2016-12-01 06:13:03', 'Start Station Latitude': '40.72453734', 'End Station ID': '439', 'Bike ID': '24046', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 6 St & Avenue B'}

146/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:16:31', 'End Station Longitude': '-73.981013', 'Trip Duration': '197', 'Start Station ID': '416', 'Start Station Longitude': '-73.97265183', 'End Station Latitude': '40.689888', 'End Station Name': 'DeKalb Ave & Hudson Ave', 'Start Time': '2016-12-01 06:13:13', 'Start Station Latitude': '40.68753406', 'End Station ID': '324', 'Bike ID': '17177', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Cumberland St & Lafayette Ave'}

147/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:18:38', 'End Station Longitude': '-73.99662137031554', 'Trip Duration': '321', 'Start Station ID': '3435', 'Start Station Longitude': '-73.99596', 'End Station Latitude': '40.72706363348306', 'End Station Name': 'Mercer St & Bleecker St', 'Start Time': '2016-12-01 06:13:16', 'Start Station Latitude': '40.718822', 'End Station ID': '3260', 'Bike ID': '15290', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Grand St & Elizabeth St'}

148/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:19:43', 'End Station Longitude': '-73.98713956', 'Trip Duration': '387', 'Start Station ID': '545', 'Start Station Longitude': '-73.97809472', 'End Station Latitude': '40.7284186', 'End Station Name': 'St Marks Pl & 2 Ave', 'Start Time': '2016-12-01 06:13:16', 'Start Station Latitude': '40.736502', 'End Station ID': '236', 'Bike ID': '16553', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 23 St & 1 Ave'}

149/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:17:50', 'End Station Longitude': '-73.99461843', 'Trip Duration': '271', 'Start Station ID': '449', 'Start Station Longitude': '-73.98789473', 'End Station Latitude': '40.76009437', 'End Station Name': 'W 43 St & 10 Ave', 'Start Time': '2016-12-01 06:13:19', 'Start Station Latitude': '40.76461837', 'End Station ID': '515', 'Bike ID': '19576', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 52 St & 9 Ave'}

150/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:17:35', 'End Station Longitude': '-74.005549', 'Trip Duration': '254', 'Start Station ID': '147', 'Start Station Longitude': '-74.01121978', 'End Station Latitude': '40.717571', 'End Station Name': 'Leonard St & Church St', 'Start Time': '2016-12-01 06:13:20', 'Start Station Latitude': '40.71542197', 'End Station ID': '320', 'Bike ID': '17276', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Greenwich St & Warren St'}

151/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:24:36', 'End Station Longitude': '-73.97722479', 'Trip Duration': '669', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.76340613', 'End Station Name': 'W 56 St & 6 Ave', 'Start Time': '2016-12-01 06:13:26', 'Start Station Latitude': '40.75019995', 'End Station ID': '352', 'Bike ID': '25629', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}

152/300 sending: {'Birth Year': '1986', 'Stop Time': '2016-12-01 06:22:32', 'End Station Longitude': '-73.98191841', 'Trip Duration': '541', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.76915505', 'End Station Name': 'Broadway & W 60 St', 'Start Time': '2016-12-01 06:13:30', 'Start Station Latitude': '40.7575699', 'End Station ID': '499', 'Bike ID': '20825', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 42 St & 8 Ave'}

153/300 sending: {'Birth Year': '1964', 'Stop Time': '2016-12-01 06:22:30', 'End Station Longitude': '-73.97805914282799', 'Trip Duration': '539', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.75724567911726', 'End Station Name': 'E 48 St & 5 Ave', 'Start Time': '2016-12-01 06:13:31', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '3233', 'Bike ID': '21250', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}

154/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:19:35', 'End Station Longitude': '-73.98338988', 'Trip Duration': '362', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.75038009', 'End Station Name': 'W 37 St & 5 Ave', 'Start Time': '2016-12-01 06:13:33', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '485', 'Bike ID': '19592', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}

155/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:21:29', 'End Station Longitude': '-73.99074142', 'Trip Duration': '463', 'Start Station ID': '394', 'Start Station Longitude': '-73.97768752', 'End Station Latitude': '40.73454567', 'End Station Name': 'Broadway & E 14 St', 'Start Time': '2016-12-01 06:13:46', 'Start Station Latitude': '40.72521311', 'End Station ID': '285', 'Bike ID': '23220', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 9 St & Avenue C'}

156/300 sending: {'Birth Year': '1986', 'Stop Time': '2016-12-01 06:31:21', 'End Station Longitude': '-74.007756', 'Trip Duration': '1054', 'Start Station ID': '3166', 'Start Station Longitude': '-73.98562431335449', 'End Station Latitude': '40.746745', 'End Station Name': 'W 20 St & 11 Ave', 'Start Time': '2016-12-01 06:13:46', 'Start Station Latitude': '40.78057799010334', 'End Station ID': '459', 'Bike ID': '22966', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Riverside Dr & W 72 St'}

157/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:17:25', 'End Station Longitude': '-73.99529885', 'Trip Duration': '217', 'Start Station ID': '3259', 'Start Station Longitude': '-73.99923384189606', 'End Station Latitude': '40.74487634', 'End Station Name': 'W 24 St & 7 Ave', 'Start Time': '2016-12-01 06:13:47', 'Start Station Latitude': '40.74937024193277', 'End Station ID': '446', 'Bike ID': '21507', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '9 Ave & W 28 St'}

158/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:20:24', 'End Station Longitude': '-73.99144871', 'Trip Duration': '390', 'Start Station ID': '482', 'Start Station

Longitude': '-73.99931783', 'End Station Latitude': '40.74395411', 'End Station Name': 'W 25 St & 6 Ave', 'Start Time': '2016-12-01 06:13:54', 'Start Station Latitude': '40.73935542', 'End Station ID': '466', 'Bike ID': '24298', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 15 St & 7 Ave'}

159/300 sending: {'Birth Year': '1975', 'Stop Time': '2016-12-01 06:20:24', 'End Station Longitude': '-73.993934', 'Trip Duration': '382', 'Start Station ID': '434', 'Start Station Longitude': '-74.00366443', 'End Station Latitude': '40.751551', 'End Station Name': '8 Ave & W 33 St', 'Start Time': '2016-12-01 06:14:02', 'Start Station Latitude': '40.74317449', 'End Station ID': '490', 'Bike ID': '23861', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '9 Ave & W 18 St'}

160/300 sending: {'Birth Year': '1977', 'Stop Time': '2016-12-01 06:32:05', 'End Station Longitude': '-74.00566443', 'Trip Duration': '1080', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.72243797', 'End Station Name': '6 Ave & Canal St', 'Start Time': '2016-12-01 06:14:04', 'Start Station Latitude': '40.7575699', 'End Station ID': '377', 'Bike ID': '25345', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}

161/300 sending: {'Birth Year': '1968', 'Stop Time': '2016-12-01 06:20:39', 'End Station Longitude': '-73.977706', 'Trip Duration': '391', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.751873', 'End Station Name': 'Pershing Square North', 'Start Time': '2016-12-01 06:14:08', 'Start Station Latitude': '40.75019995', 'End Station ID': '519', 'Bike ID': '27313', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}

162/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:20:20', 'End Station Longitude': '-73.95380904', 'Trip Duration': '370', 'Start Station ID': '3060', 'Start Station Longitude': '-73.94626915', 'End Station Latitude': '40.6851443', 'End Station Name': 'Monroe St & Bedford Ave', 'Start Time': '2016-12-01 06:14:10', 'Start Station Latitude': '40.69425403', 'End Station ID': '344', 'Bike ID': '26945', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Willoughby Ave & Tompkins Ave'}

163/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:21:54', 'End Station Longitude': '-73.9734419', 'Trip Duration': '461', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.74780373', 'End Station Name': 'E 39 St & 2 Ave', 'Start Time': '2016-12-01 06:14:13', 'Start Station Latitude': '40.75640548', 'End Station ID': '518', 'Bike ID': '24311', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

164/300 sending: {'Birth Year': '1969', 'Stop Time': '2016-12-01 06:27:40', 'End Station Longitude': '-73.98291153', 'Trip Duration': '804', 'Start Station ID': '293', 'Start Station Longitude': '-73.9907647', 'End Station Latitude': '40.7568001', 'End Station Name': 'W 45 St & 6 Ave', 'Start Time': '2016-12-01 06:14:16', 'Start Station Latitude': '40.73028666', 'End Station ID': '493', 'Bike ID': '25396', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Lafayette St & E 8 St'}

165/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:36:10', 'End Station Longitude': '-73.98470567', 'Trip Duration': '1312', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.7746671', 'End Station Name': 'Amsterdam Ave & W 66 St', 'Start Time': '2016-12-01 06:14:17', 'Start Station Latitude': '40.751551', 'End Station ID': '3356', 'Bike ID': '22432', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '8 Ave & W 33 St'}

166/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:23:17', 'End Station Longitude': '-74.013012', 'Trip Duration': '539', 'Start Station ID': '229', 'Start Station Longitude': '-73.99379025', 'End Station Latitude': '40.7149787', 'End Station Name': 'Murray St & West St', 'Start Time': '2016-12-01 06:14:17', 'Start Station Latitude': '40.72743423', 'End Station ID': '309', 'Bike ID': '26910', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Great Jones St'}

167/300 sending: {'Birth Year': '1973', 'Stop Time': '2016-12-01 06:22:45', 'End Station Longitude': '-73.95698119', 'Trip Duration': '507', 'Start Station ID': '3430', 'Start Station Longitude': '-73.94223690032959', 'End Station Latitude': '40.71286844', 'End Station Name': 'Grand St & Havemeyer St', 'Start Time': '2016-12-01 06:14:18', 'Start Station Latitude': '40.71907891179564', 'End Station ID': '471', 'Bike ID': '25704', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Richardson St & N Henry St'}

168/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:24:31', 'End Station Longitude': '-73.98303529', 'Trip Duration': '610', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.74444921', 'End Station Name': 'E 30 St & Park Ave S', 'Start Time': '2016-12-01 06:14:20', 'Start Station Latitude': '40.75640548', 'End Station ID': '546', 'Bike ID': '18645', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

169/300 sending: {'Birth Year': '1994', 'Stop Time': '2016-12-01 06:22:26', 'End Station Longitude': '-73.97668709', 'Trip Duration': '486', 'Start Station ID': '297', 'Start Station Longitude': '-73.986923', 'End Station Latitude': '40.72228087', 'End Station Name': 'E 6 St & Avenue D', 'Start Time': '2016-12-01 06:14:20', 'Start Station Latitude': '40.734232', 'End Station ID': '411', 'Bike ID': '20079', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 15 St & 3 Ave'}

170/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:23:44', 'End Station Longitude': '-73.97768752', 'Trip Duration': '553', 'Start Station ID': '253', 'Start Station Longitude': '-73.99453948', 'End Station Latitude': '40.72521311', 'End Station Name': 'E 9 St & Avenue C', 'Start Time': '2016-12-01 06:14:30', 'Start Station Latitude': '40.73543934', 'End Station ID': '394', 'Bike ID': '24807', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 13 St & 5 Ave'}

171/300 sending: {'Birth Year': '1960', 'Stop Time': '2016-12-01 06:17:34', 'End Station Longitude': '-73.98194829', 'Trip Duration': '187', 'Start Station ID': '474', 'Start Station Longitude': '-73.98683077', 'End Station Latitude': '40.7457121', 'End Station Name': 'E 32 St & Park Ave', 'Start Time': '2016-12-01 06:14:26', 'Start Station Latitude': '40.7451677', 'End Station ID': '472', 'Bike ID': '16858', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '5 Ave & E 29 St'}

172/300 sending: {'Birth Year': '1973', 'Stop Time': '2016-12-01 06:25:13', 'End Station Longitude': '-73.97187885', 'Trip Duration': '643', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.7546011026', 'End Station Name': 'E 48 St & 3 Ave', 'Start Time': '2016-12-01 06:14:30', 'Start Station Latitude': '40.75019995', 'End Station ID': '228', 'Bike ID': '17710', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}

173/300 sending: {'Birth Year': '1964', 'Stop Time': '2016-12-01 06:17:33', 'End Station Longitude': '-73.98194829', 'Trip Duration': '180', 'Start Station ID': '474', 'Start Station Longitude': '-73.98683077', 'End Station Latitude': '40.7457121', 'End Station Name': 'E 32 St & Park Ave', 'Start Time': '2016-12-01 06:14:33', 'Start Station Latitude': '40.7451677', 'End Station ID': '472', 'Bike ID': '25572', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '5 Ave & E 29 St'}

174/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:18:19', 'End Station Longitude': '-73.97966069', 'Trip Duration': '223', 'Start Station ID': '526', 'Start Station Longitude': '-73.98490707', 'End Station Latitude': '40.74394314', 'End Station Name': 'E 31 St & 3 Ave', 'Start Time': '2016-12-01 06:14:35', 'Start Station Latitude': '40.74765947', 'End Station ID': '476', 'Bike ID': '20256', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 33 St & 5 Ave'}

175/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:22:05', 'End Station Longitude': '-73.97282625', 'Trip Duration': '445', 'Start Station ID': '267', 'Start Station Longitude': '-73.98765428', 'End Station Latitude': '40.75255434', 'End Station Name': 'E 45 St & 3 Ave', 'Start Time': '2016-12-01 06:14:40', 'Start Station Latitude': '40.75097711', 'End Station ID': '440', 'Bike ID': '23547', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Broadway & W 36 St'}

176/300 sending: {'Birth Year': '1979', 'Stop Time': '2016-12-01 06:21:03', 'End Station Longitude': '-74.008119', 'Trip Duration': '383', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.739323', 'End Station Name': 'Washington St & Gansevoort St', 'Start Time': '2016-12-01 06:14:39', 'Start Station Latitude':

'40.7505853470215', 'End Station ID': '405', 'Bike ID': '19099', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
177/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:25:02', 'End Station Longitude': '-73.9900262', 'Trip Duration': '622', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.75640548', 'End Station Name': 'W 41 St & 8 Ave', 'Start Time': '2016-12-01 06:14:39', 'Start Station Latitude': '40.751551', 'End Station ID': '477', 'Bike ID': '25175', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
178/300 sending: {'Birth Year': '1975', 'Stop Time': '2016-12-01 06:26:42', 'End Station Longitude': '-73.96603308', 'Trip Duration': '722', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.75797322', 'End Station Name': 'E 55 St & 2 Ave', 'Start Time': '2016-12-01 06:14:39', 'Start Station Latitude': '40.751551', 'End Station ID': '385', 'Bike ID': '15447', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
179/300 sending: {'Birth Year': '1949', 'Stop Time': '2016-12-01 06:32:51', 'End Station Longitude': '-74.008591', 'Trip Duration': '1089', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.728846', 'End Station Name': 'Greenwich St & W Houston St', 'Start Time': '2016-12-01 06:14:41', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '347', 'Bike ID': '16437', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
180/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:34:27', 'End Station Longitude': '-73.96224617958069', 'Trip Duration': '1181', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.76712840349542', 'End Station Name': 'E 68 St & 3 Ave', 'Start Time': '2016-12-01 06:14:45', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '3131', 'Bike ID': '18257', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
181/300 sending: {'Birth Year': '1980', 'Stop Time': '2016-12-01 06:18:11', 'End Station Longitude': '-74.010065', 'Trip Duration': '202', 'Start Station ID': '146', 'Start Station Longitude': '-74.0091059', 'End Station Latitude': '40.721319', 'End Station Name': 'Greenwich St & Hubert St', 'Start Time': '2016-12-01 06:14:48', 'Start Station Latitude': '40.71625008', 'End Station ID': '3436', 'Bike ID': '15806', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Hudson St & Reade St'}
182/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:24:15', 'End Station Longitude': '-74.01658354', 'Trip Duration': '560', 'Start Station ID': '127', 'Start Station Longitude': '-74.00674436', 'End Station Latitude': '40.7153379', 'End Station Name': 'Vesey Pl & River Terrace', 'Start Time': '2016-12-01 06:14:55', 'Start Station Latitude': '40.73172428', 'End Station ID': '327', 'Bike ID': '17934', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Barrow St & Hudson St'}
183/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:18:00', 'End Station Longitude': '-73.95850939', 'Trip Duration': '178', 'Start Station ID': '460', 'Start Station Longitude': '-73.96590294', 'End Station Latitude': '40.71745169', 'End Station Name': 'N 6 St & Bedford Ave', 'Start Time': '2016-12-01 06:15:01', 'Start Station Latitude': '40.71285887', 'End Station ID': '3093', 'Bike ID': '25687', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'S 4 St & Wythe Ave'}
184/300 sending: {'Birth Year': '1975', 'Stop Time': '2016-12-01 06:20:02', 'End Station Longitude': '-73.98490707', 'Trip Duration': '300', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.74765947', 'End Station Name': 'E 33 St & 5 Ave', 'Start Time': '2016-12-01 06:15:02', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '526', 'Bike ID': '19013', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
185/300 sending: {'Birth Year': '1979', 'Stop Time': '2016-12-01 06:25:20', 'End Station Longitude': '-73.97722479', 'Trip Duration': '617', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76340613', 'End Station Name': 'W 56 St & 6 Ave', 'Start Time': '2016-12-01 06:15:02', 'Start Station Latitude': '40.751551', 'End Station ID': '352', 'Bike ID': '25521', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
186/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:25:16', 'End Station Longitude': '-73.97536082', 'Trip Duration': '610', 'Start Station ID': '379', 'Start Station Longitude': '-73.9916', 'End Station Latitude': '40.74144387', 'End Station Name': '1 Ave & E 30 St', 'Start Time': '2016-12-01 06:15:06', 'Start Station Latitude': '40.749156', 'End Station ID': '536', 'Bike ID': '16882', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 31 St & 7 Ave'}
187/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:26:07', 'End Station Longitude': '-73.97536082', 'Trip Duration': '660', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.74144387', 'End Station Name': '1 Ave & E 30 St', 'Start Time': '2016-12-01 06:15:06', 'Start Station Latitude': '40.75640548', 'End Station ID': '536', 'Bike ID': '21122', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
188/300 sending: {'Birth Year': '1963', 'Stop Time': '2016-12-01 06:22:53', 'End Station Longitude': '-73.988639', 'Trip Duration': '462', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.768254', 'End Station Name': 'W 56 St & 10 Ave', 'Start Time': '2016-12-01 06:15:11', 'Start Station Latitude': '40.7575699', 'End Station ID': '513', 'Bike ID': '22135', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
189/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:18:45', 'End Station Longitude': '-73.986923', 'Trip Duration': '209', 'Start Station ID': '504', 'Start Station Longitude': '-73.98165557', 'End Station Latitude': '40.734232', 'End Station Name': 'E 15 St & 3 Ave', 'Start Time': '2016-12-01 06:15:15', 'Start Station Latitude': '40.73221853', 'End Station ID': '297', 'Bike ID': '18627', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '1 Ave & E 16 St'}
190/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:39:37', 'End Station Longitude': '-74.0127234', 'Trip Duration': '1458', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.70255065', 'End Station Name': 'Water - Whitehall Plaza', 'Start Time': '2016-12-01 06:15:18', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '534', 'Bike ID': '25965', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
191/300 sending: {'Birth Year': '1953', 'Stop Time': '2016-12-01 06:34:37', 'End Station Longitude': '-73.988038', 'Trip Duration': '1158', 'Start Station ID': '3325', 'Start Station Longitude': '-73.950503', 'End Station Latitude': '40.770513', 'End Station Name': 'W 59 St & 10 Ave', 'Start Time': '2016-12-01 06:15:18', 'Start Station Latitude': '40.7849032', 'End Station ID': '422', 'Bike ID': '19779', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 95 St & 3 Ave'}
192/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:30:58', 'End Station Longitude': '-73.97805914282799', 'Trip Duration': '936', 'Start Station ID': '433', 'Start Station Longitude': '-73.98057249', 'End Station Latitude': '40.75724567911726', 'End Station Name': 'E 48 St & 5 Ave', 'Start Time': '2016-12-01 06:15:22', 'Start Station Latitude': '40.72955361', 'End Station ID': '3233', 'Bike ID': '17279', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 13 St & Avenue A'}
193/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:22:51', 'End Station Longitude': '-73.97722479', 'Trip Duration': '446', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.76340613', 'End Station Name': 'W 56 St & 6 Ave', 'Start Time': '2016-12-01 06:15:25', 'Start Station Latitude': '40.75019995', 'End Station ID': '352', 'Bike ID': '18552', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
194/300 sending: {'Birth Year': '1986', 'Stop Time': '2016-12-01 06:18:37', 'End Station Longitude': '-73.94965589046478', 'Trip Duration': '191', 'Start Station ID': '3290', 'Start Station Longitude': '-73.946041', 'End Station Latitude': '40.78112229934166', 'End Station Name': 'E 91 St & 2 Ave', 'Start Time': '2016-12-01 06:15:25', 'Start Station Latitude': '40.7779453', 'End Station ID': '3305', 'Bike ID': '23697', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 89 St & York Ave'}

195/300 sending: {'Birth Year': '1977', 'Stop Time': '2016-12-01 06:31:10', 'End Station Longitude': '-73.98336183', 'Trip Duration': '943', 'Start Station ID': '3145', 'Start Station Longitude': '-73.95772073', 'End Station Latitude': '40.76228826', 'End Station Name': 'Broadway & W 51 St', 'Start Time': '2016-12-01 06:15:27', 'Start Station Latitude': '40.77862688', 'End Station ID': '500', 'Bike ID': '27080', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 84 St & Park Ave'}

196/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:23:32', 'End Station Longitude': '-73.976806', 'Trip Duration': '484', 'Start Station ID': '503', 'Start Station Longitude': '-73.98751968', 'End Station Latitude': '40.739445', 'End Station Name': 'E 27 St & 1 Ave', 'Start Time': '2016-12-01 06:15:28', 'Start Station Latitude': '40.73827428', 'End Station ID': '2012', 'Bike ID': '20058', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 20 St & Park Ave'}

197/300 sending: {'Birth Year': '', 'Stop Time': '2016-12-01 06:20:36', 'End Station Longitude': '-73.97523209452629', 'Trip Duration': '307', 'Start Station ID': '3310', 'Start Station Longitude': '-73.98396846', 'End Station Latitude': '40.675146838709786', 'End Station Name': 'Berkeley Pl & 7 Ave', 'Start Time': '2016-12-01 06:15:28', 'Start Station Latitude': '40.663779', 'End Station ID': '3346', 'Bike ID': '22551', 'User Type': 'Subscriber', 'Gender': '0', 'Start Station Name': '14 St & 7 Ave'}

198/300 sending: {'Birth Year': '1963', 'Stop Time': '2016-12-01 06:25:06', 'End Station Longitude': '-73.97648516', 'Trip Duration': '575', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.75992262', 'End Station Name': 'W 52 St & 5 Ave', 'Start Time': '2016-12-01 06:15:31', 'Start Station Latitude': '40.75640548', 'End Station ID': '520', 'Bike ID': '26677', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

199/300 sending: {'Birth Year': '1961', 'Stop Time': '2016-12-01 06:26:16', 'End Station Longitude': '-73.97498696', 'Trip Duration': '641', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.75510267', 'End Station Name': 'E 47 St & Park Ave', 'Start Time': '2016-12-01 06:15:35', 'Start Station Latitude': '40.751551', 'End Station ID': '359', 'Bike ID': '19227', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}

200/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:30:22', 'End Station Longitude': '-73.976056', 'Trip Duration': '882', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.744023', 'End Station Name': 'E 33 St & 2 Ave', 'Start Time': '2016-12-01 06:15:40', 'Start Station Latitude': '40.75640548', 'End Station ID': '527', 'Bike ID': '17997', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

201/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:25:33', 'End Station Longitude': '-73.97109243', 'Trip Duration': '591', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76350532', 'End Station Name': 'E 59 St & Madison Ave', 'Start Time': '2016-12-01 06:15:42', 'Start Station Latitude': '40.75640548', 'End Station ID': '3132', 'Bike ID': '16089', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

202/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:25:11', 'End Station Longitude': '-73.97371465', 'Trip Duration': '569', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.7643971', 'End Station Name': 'Grand Army Plaza & Central Park S', 'Start Time': '2016-12-01 06:15:42', 'Start Station Latitude': '40.75640548', 'End Station ID': '281', 'Bike ID': '14809', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

203/300 sending: {'Birth Year': '1969', 'Stop Time': '2016-12-01 06:22:55', 'End Station Longitude': '-73.99596', 'Trip Duration': '431', 'Start Station ID': '502', 'Start Station Longitude': '-73.981346', 'End Station Latitude': '40.718822', 'End Station Name': 'Grand St & Elizabeth St', 'Start Time': '2016-12-01 06:15:43', 'Start Station Latitude': '40.714215', 'End Station ID': '3435', 'Bike ID': '26504', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Henry St & Grand St'}

204/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:20:25', 'End Station Longitude': '-73.99704374', 'Trip Duration': '279', 'Start Station ID': '297', 'Start Station Longitude': '-73.986923', 'End Station Latitude': '40.73649403', 'End Station Name': 'W 13 St & 6 Ave', 'Start Time': '2016-12-01 06:15:45', 'Start Station Latitude': '40.734232', 'End Station ID': '345', 'Bike ID': '25633', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 15 St & 3 Ave'}

205/300 sending: {'Birth Year': '1956', 'Stop Time': '2016-12-01 06:20:10', 'End Station Longitude': '-73.986923', 'Trip Duration': '262', 'Start Station ID': '2003', 'Start Station Longitude': '-73.98054420948029', 'End Station Latitude': '40.734232', 'End Station Name': 'E 15 St & 3 Ave', 'Start Time': '2016-12-01 06:15:47', 'Start Station Latitude': '40.733812191966315', 'End Station ID': '297', 'Bike ID': '27196', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '1 Ave & E 18 St'}

206/300 sending: {'Birth Year': '1961', 'Stop Time': '2016-12-01 06:27:00', 'End Station Longitude': '-73.97402311', 'Trip Duration': '672', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.7597108', 'End Station Name': 'E 53 St & Madison Ave', 'Start Time': '2016-12-01 06:15:48', 'Start Station Latitude': '40.751551', 'End Station ID': '456', 'Bike ID': '27299', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}

207/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:19:46', 'End Station Longitude': '-73.981013', 'Trip Duration': '232', 'Start Station ID': '270', 'Start Station Longitude': '-73.97178913', 'End Station Latitude': '40.689888', 'End Station Name': 'DeKalb Ave & Hudson Ave', 'Start Time': '2016-12-01 06:15:54', 'Start Station Latitude': '40.69308257', 'End Station ID': '324', 'Bike ID': '24985', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Adelphi St & Myrtle Ave'}

208/300 sending: {'Birth Year': '1993', 'Stop Time': '2016-12-01 06:19:47', 'End Station Longitude': '-73.98316936', 'Trip Duration': '227', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.75527307', 'End Station Name': 'W 43 St & 6 Ave', 'Start Time': '2016-12-01 06:15:59', 'Start Station Latitude': '40.75640548', 'End Station ID': '524', 'Bike ID': '25579', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

209/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:42:50', 'End Station Longitude': '-73.95818491', 'Trip Duration': '1609', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:16:00', 'Start Station Latitude': '40.751551', 'End Station ID': '3141', 'Bike ID': '27171', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}

210/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:31:11', 'End Station Longitude': '-73.99086803197861', 'Trip Duration': '889', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.72923649910006', 'End Station Name': 'Cooper Square & E 7 St', 'Start Time': '2016-12-01 06:16:22', 'Start Station Latitude': '40.75640548', 'End Station ID': '3263', 'Bike ID': '24075', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

211/300 sending: {'Birth Year': '1984', 'Stop Time': '2016-12-01 06:21:24', 'End Station Longitude': '-73.99086803197861', 'Trip Duration': '302', 'Start Station ID': '317', 'Start Station Longitude': '-73.98185424', 'End Station Latitude': '40.72923649910006', 'End Station Name': 'Cooper Square & E 7 St', 'Start Time': '2016-12-01 06:16:22', 'Start Station Latitude': '40.72453734', 'End Station ID': '3263', 'Bike ID': '26128', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 6 St & Avenue B'}

212/300 sending: {'Birth Year': '1993', 'Stop Time': '2016-12-01 06:18:55', 'End Station Longitude': '-73.98517977', 'Trip Duration': '152', 'Start Station ID': '393', 'Start Station Longitude': '-73.97995466', 'End Station Latitude': '40.72066442', 'End Station Name': 'Suffolk St & Stanton St', 'Start Time': '2016-12-01 06:16:23', 'Start Station Latitude': '40.72299208', 'End Station ID': '410', 'Bike ID': '22840', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 5 St & Avenue C'}

213/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:33:24', 'End Station Longitude': '-74.013012', 'Trip Duration': '1017', 'Start Station ID': '3413', 'Start Station

Longitude': '-73.98258555', 'End Station Latitude': '40.7149787', 'End Station Name': 'Murray St & West St', 'Start Time': '2016-12-01 06:16:26', 'Start Station Latitude': '40.6827549', 'End Station ID': '309', 'Bike ID': '15418', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Wyckoff St & 3 Ave'}
214/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:20:16', 'End Station Longitude': '-73.97667321', 'Trip Duration': '223', 'Start Station ID': '3289', 'Start Station Longitude': '-73.97288918495178', 'End Station Latitude': '40.78524672', 'End Station Name': 'Amsterdam Ave & W 82 St', 'Start Time': '2016-12-01 06:16:32', 'Start Station Latitude': '40.79017948095081', 'End Station ID': '3171', 'Bike ID': '23991', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 90 St & Amsterdam Ave'}
215/300 sending: {'Birth Year': '1980', 'Stop Time': '2016-12-01 06:23:59', 'End Station Longitude': '-73.97536082', 'Trip Duration': '444', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.74144387', 'End Station Name': '1 Ave & E 30 St', 'Start Time': '2016-12-01 06:16:34', 'Start Station Latitude': '40.75019995', 'End Station ID': '536', 'Bike ID': '18789', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
216/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:26:21', 'End Station Longitude': '-73.99093085', 'Trip Duration': '586', 'Start Station ID': '3355', 'Start Station Longitude': '-73.96845281124115', 'End Station Latitude': '40.75019995', 'End Station Name': 'W 33 St & 7 Ave', 'Start Time': '2016-12-01 06:16:35', 'Start Station Latitude': '40.76800889305947', 'End Station ID': '492', 'Bike ID': '22474', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 66 St & Madison Ave'}
217/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:40:33', 'End Station Longitude': '-73.95482273', 'Trip Duration': '1434', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.7689738', 'End Station Name': 'E 74 St & 1 Ave', 'Start Time': '2016-12-01 06:16:39', 'Start Station Latitude': '40.75640548', 'End Station ID': '3372', 'Bike ID': '17243', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
218/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:25:15', 'End Station Longitude': '-73.97282625', 'Trip Duration': '510', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.75255434', 'End Station Name': 'E 45 St & 3 Ave', 'Start Time': '2016-12-01 06:16:44', 'Start Station Latitude': '40.7575699', 'End Station ID': '440', 'Bike ID': '23544', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
219/300 sending: {'Birth Year': '1986', 'Stop Time': '2016-12-01 06:46:53', 'End Station Longitude': '-73.98562431335449', 'Trip Duration': '1801', 'Start Station ID': '358', 'Start Station Longitude': '-74.00711384', 'End Station Latitude': '40.78057799010334', 'End Station Name': 'Riverside Dr & W 72 St', 'Start Time': '2016-12-01 06:16:52', 'Start Station Latitude': '40.73291553', 'End Station ID': '3166', 'Bike ID': '16208', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Christopher St & Greenwich St'}
220/300 sending: {'Birth Year': '1975', 'Stop Time': '2016-12-01 06:25:27', 'End Station Longitude': '-73.99404649', 'Trip Duration': '514', 'Start Station ID': '379', 'Start Station Longitude': '-73.9916', 'End Station Latitude': '40.72903917', 'End Station Name': 'Washington Pl & Broadway', 'Start Time': '2016-12-01 06:16:53', 'Start Station Latitude': '40.749156', 'End Station ID': '335', 'Bike ID': '22753', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 31 St & 7 Ave'}
221/300 sending: {'Birth Year': '1976', 'Stop Time': '2016-12-01 06:25:44', 'End Station Longitude': '-74.013012', 'Trip Duration': '530', 'Start Station ID': '380', 'Start Station Longitude': '-74.00293877', 'End Station Latitude': '40.7149787', 'End Station Name': 'Murray St & West St', 'Start Time': '2016-12-01 06:16:54', 'Start Station Latitude': '40.73401143', 'End Station ID': '309', 'Bike ID': '25466', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 4 St & 7 Ave S'}
222/300 sending: {'Birth Year': '1963', 'Stop Time': '2016-12-01 06:50:14', 'End Station Longitude': '-73.99093085', 'Trip Duration': '1998', 'Start Station ID': '3157', 'Start Station Longitude': '-73.94446054', 'End Station Latitude': '40.75019995', 'End Station Name': 'W 33 St & 7 Ave', 'Start Time': '2016-12-01 06:16:55', 'Start Station Latitude': '40.77518615', 'End Station ID': '492', 'Bike ID': '26754', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'East End Ave & E 86 St'}
223/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:23:48', 'End Station Longitude': '-74.0090009', 'Trip Duration': '411', 'Start Station ID': '295', 'Start Station Longitude': '-73.99293911', 'End Station Latitude': '40.71870987', 'End Station Name': 'Harrison St & Hudson St', 'Start Time': '2016-12-01 06:16:56', 'Start Station Latitude': '40.71406667', 'End Station ID': '249', 'Bike ID': '25956', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Pike St & E Broadway'}
224/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:25:54', 'End Station Longitude': '-73.99973337', 'Trip Duration': '536', 'Start Station ID': '439', 'Start Station Longitude': '-73.98978041', 'End Station Latitude': '40.71910537', 'End Station Name': 'Howard St & Centre St', 'Start Time': '2016-12-01 06:16:58', 'Start Station Latitude': '40.7262807', 'End Station ID': '268', 'Bike ID': '18134', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 4 St & 2 Ave'}
225/300 sending: {'Birth Year': '1984', 'Stop Time': '2016-12-01 06:23:04', 'End Station Longitude': '-73.98316936', 'Trip Duration': '365', 'Start Station ID': '490', 'Start Station Longitude': '-73.993934', 'End Station Latitude': '40.75527307', 'End Station Name': 'W 43 St & 6 Ave', 'Start Time': '2016-12-01 06:16:58', 'Start Station Latitude': '40.751551', 'End Station ID': '524', 'Bike ID': '26110', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 33 St'}
226/300 sending: {'Birth Year': '1956', 'Stop Time': '2016-12-01 06:21:31', 'End Station Longitude': '-73.98194829', 'Trip Duration': '267', 'Start Station ID': '519', 'Start Station Longitude': '-73.977706', 'End Station Latitude': '40.7457121', 'End Station Name': 'E 32 St & Park Ave', 'Start Time': '2016-12-01 06:17:04', 'Start Station Latitude': '40.751873', 'End Station ID': '472', 'Bike ID': '25301', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Pershing Square North'}
227/300 sending: {'Birth Year': '1969', 'Stop Time': '2016-12-01 06:22:46', 'End Station Longitude': '-73.98602213', 'Trip Duration': '338', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.74096374', 'End Station Name': 'E 24 St & Park Ave S', 'Start Time': '2016-12-01 06:17:07', 'Start Station Latitude': '40.7501995', 'End Station ID': '491', 'Bike ID': '25581', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
228/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:22:43', 'End Station Longitude': '-73.99074142', 'Trip Duration': '333', 'Start Station ID': '433', 'Start Station Longitude': '-73.98057249', 'End Station Latitude': '40.73454567', 'End Station Name': 'Broadway & E 14 St', 'Start Time': '2016-12-01 06:17:10', 'Start Station Latitude': '40.7295361', 'End Station ID': '285', 'Bike ID': '16628', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 13 St & Avenue A'}
229/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:26:02', 'End Station Longitude': '-73.9734419', 'Trip Duration': '530', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.74780373', 'End Station Name': 'E 39 St & 2 Ave', 'Start Time': '2016-12-01 06:17:12', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '518', 'Bike ID': '26146', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
230/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:19:28', 'End Station Longitude': '-73.98490707', 'Trip Duration': '134', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.74765947', 'End Station Name': 'E 33 St & 5 Ave', 'Start Time': '2016-12-01 06:17:13', 'Start Station Latitude': '40.75019995', 'End Station ID': '526', 'Bike ID': '27044', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
231/300 sending: {'Birth Year': '1980', 'Stop Time': '2016-12-01 06:22:42', 'End Station Longitude': '-73.97109243', 'Trip Duration': '320', 'Start Station ID': '359', 'Start Station Longitude': '-73.97498696', 'End Station Latitude': '40.76350532', 'End Station Name': 'E 59 St & Madison Ave', 'Start Time': '2016-12-01 06:17:21', 'Start Station Latitude': '40.75510

267', 'End Station ID': '3132', 'Bike ID': '26893', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 47 St & Park Ave'}
232/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:24:20', 'End Station Longitude': '-73.98990025', 'Trip Duration': '411', 'Start Station ID': '377', 'Start Station Longitude': '-74.00566443', 'End Station Latitude': '40.71427487', 'End Station Name': 'Canal St & Rutgers St', 'Start Time': '2016-12-01 06:17:29', 'Start Station Latitude': '40.72243797', 'End Station ID': '307', 'Bike ID': '26856', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '6 Ave & Canal St'}
233/300 sending: {'Birth Year': '1985', 'Stop Time': '2016-12-01 06:30:03', 'End Station Longitude': '-73.97498696', 'Trip Duration': '743', 'Start Station ID': '461', 'Start Station Longitude': '-73.98205027', 'End Station Latitude': '40.75510267', 'End Station Name': 'E 47 St & Park Ave', 'Start Time': '2016-12-01 06:17:39', 'Start Station Latitude': '40.73587678', 'End Station ID': '359', 'Bike ID': '25056', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 20 St & 2 Ave'}
234/300 sending: {'Birth Year': '1968', 'Stop Time': '2016-12-01 07:01:47', 'End Station Longitude': '-74.01167797', 'Trip Duration': '2641', 'Start Station ID': '3304', 'Start Station Longitude': '-73.98377641', 'End Station Latitude': '40.70365182', 'End Station Name': 'Broad St & Bridge St', 'Start Time': '2016-12-01 06:17:45', 'Start Station Latitude': '40.668127', 'End Station ID': '260', 'Bike ID': '26529', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '6 Ave & 9 St'}
235/300 sending: {'Birth Year': '1964', 'Stop Time': '2016-12-01 06:27:13', 'End Station Longitude': '-73.97498696', 'Trip Duration': '565', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.75510267', 'End Station Name': 'E 47 St & Park Ave', 'Start Time': '2016-12-01 06:17:47', 'Start Station Latitude': '40.75019995', 'End Station ID': '359', 'Bike ID': '14941', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
236/300 sending: {'Birth Year': '1978', 'Stop Time': '2016-12-01 06:34:10', 'End Station Longitude': '-73.96865397691727', 'Trip Duration': '977', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.758996559605116', 'End Station Name': 'E 55 St & 3 Ave', 'Start Time': '2016-12-01 06:17:53', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '3223', 'Bike ID': '25677', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
237/300 sending: {'Birth Year': '1986', 'Stop Time': '2016-12-01 06:27:51', 'End Station Longitude': '-73.993915', 'Trip Duration': '599', 'Start Station ID': '447', 'Start Station Longitude': '-73.9851615', 'End Station Latitude': '40.746647', 'End Station Name': 'W 27 St & 7 Ave', 'Start Time': '2016-12-01 06:17:51', 'Start Station Latitude': '40.76370739', 'End Station ID': '442', 'Bike ID': '22044', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 52 St'}
238/300 sending: {'Birth Year': '1976', 'Stop Time': '2016-12-01 06:26:04', 'End Station Longitude': '-73.98602213', 'Trip Duration': '489', 'Start Station ID': '3260', 'Start Station Longitude': '-73.99662137031554', 'End Station Latitude': '40.74096374', 'End Station Name': 'E 24 St & Park Ave S', 'Start Time': '2016-12-01 06:17:55', 'Start Station Latitude': '40.72706363348306', 'End Station ID': '491', 'Bike ID': '27017', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Mercer St & Bleecker St'}
239/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:24:37', 'End Station Longitude': '-73.977885', 'Trip Duration': '397', 'Start Station ID': '2003', 'Start Station Longitude': '-73.98054420948029', 'End Station Latitude': '40.746524', 'End Station Name': 'E 35 St & 3 Ave', 'Start Time': '2016-12-01 06:17:59', 'Start Station Latitude': '40.733812191966315', 'End Station ID': '3431', 'Bike ID': '23596', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': '1 Ave & E 18 St'}
240/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:31:01', 'End Station Longitude': '-73.9845272898674', 'Trip Duration': '780', 'Start Station ID': '253', 'Start Station Longitude': '-73.99453948', 'End Station Latitude': '40.76068327096592', 'End Station Name': 'Broadway & W 49 St', 'Start Time': '2016-12-01 06:18:00', 'Start Station Latitude': '40.73543934', 'End Station ID': '173', 'Bike ID': '16422', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 13 St & 5 Ave'}
241/300 sending: {'Birth Year': '1968', 'Stop Time': '2016-12-01 06:34:04', 'End Station Longitude': '-74.00803013', 'Trip Duration': '958', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.74195138', 'End Station Name': 'W 14 St & The High Line', 'Start Time': '2016-12-01 06:18:06', 'Start Station Latitude': '40.7575699', 'End Station ID': '225', 'Bike ID': '20748', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
242/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:32:03', 'End Station Longitude': '-73.99726235', 'Trip Duration': '836', 'Start Station ID': '504', 'Start Station Longitude': '-73.98165557', 'End Station Latitude': '40.74238877', 'End Station Name': 'W 20 St & 7 Ave', 'Start Time': '2016-12-01 06:18:07', 'Start Station Latitude': '40.73221853', 'End Station ID': '334', 'Bike ID': '19402', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '1 Ave & E 16 St'}
243/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:29:52', 'End Station Longitude': '-73.99392888', 'Trip Duration': '702', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.76727216', 'End Station Name': 'W 52 St & 11 Ave', 'Start Time': '2016-12-01 06:18:09', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '72', 'Bike ID': '16989', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}
244/300 sending: {'Birth Year': '1994', 'Stop Time': '2016-12-01 06:26:14', 'End Station Longitude': '-73.98205027', 'Trip Duration': '481', 'Start Station ID': '432', 'Start Station Longitude': '-73.98379855', 'End Station Latitude': '40.73587678', 'End Station Name': 'E 20 St & 2 Ave', 'Start Time': '2016-12-01 06:18:12', 'Start Station Latitude': '40.72621788', 'End Station ID': '461', 'Bike ID': '27020', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 7 St & Avenue A'}
245/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:26:47', 'End Station Longitude': '-73.990541', 'Trip Duration': '509', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.771522', 'End Station Name': '11 Ave & W 59 St', 'Start Time': '2016-12-01 06:18:18', 'Start Station Latitude': '40.7575699', 'End Station ID': '530', 'Bike ID': '19163', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
246/300 sending: {'Birth Year': '1961', 'Stop Time': '2016-12-01 06:23:00', 'End Station Longitude': '-74.000271', 'Trip Duration': '278', 'Start Station ID': '470', 'Start Station Longitude': '-74.00004031', 'End Station Latitude': '40.735238', 'End Station Name': 'Greenwich Ave & Charles St', 'Start Time': '2016-12-01 06:18:21', 'Start Station Latitude': '40.74345335', 'End Station ID': '383', 'Bike ID': '19916', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 20 St & 8 Ave'}
247/300 sending: {'Birth Year': '1954', 'Stop Time': '2016-12-01 06:48:03', 'End Station Longitude': '-73.94594', 'Trip Duration': '1783', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.7817212', 'End Station Name': '1 Ave & E 94 St', 'Start Time': '2016-12-01 06:18:20', 'Start Station Latitude': '40.75019995', 'End Station ID': '3312', 'Bike ID': '24193', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'}
248/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:31:05', 'End Station Longitude': '-73.98194829', 'Trip Duration': '760', 'Start Station ID': '511', 'Start Station Longitude': '-73.97772429', 'End Station Latitude': '40.7457121', 'End Station Name': 'E 32 St & Park Ave', 'Start Time': '2016-12-01 06:18:24', 'Start Station Latitude': '40.72938685', 'End Station ID': '472', 'Bike ID': '26364', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 14 St & Avenue B'}
249/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:28:28', 'End Station Longitude': '-73.98751968', 'Trip Duration': '601', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.73827428', 'End Station Name': 'E 20 St & Park Ave', 'Start Time': '2016-12-01 06:18:26', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '503', 'Bike ID': '24816', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'}

250/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:36:05', 'End Station Longitude': '-73.98194829', 'Trip Duration': '1056', 'Start Station ID': '332', 'Start Station Longitude': '-73.97948148', 'End Station Latitude': '40.7457121', 'End Station Name': 'E 32 St & Park Ave', 'Start Time': '2016-12-01 06:18:28', 'Start Station Latitude': '40.71219906', 'End Station ID': '472', 'Bike ID': '26438', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Cherry St'}

251/300 sending: {'Birth Year': '1965', 'Stop Time': '2016-12-01 06:30:49', 'End Station Longitude': '-73.98758561', 'Trip Duration': '736', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.73524276', 'End Station Name': 'E 16 St & Irving Pl', 'Start Time': '2016-12-01 06:18:32', 'Start Station Latitude': '40.7575699', 'End Station ID': '475', 'Bike ID': '21674', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}

252/300 sending: {'Birth Year': '1974', 'Stop Time': '2016-12-01 06:20:39', 'End Station Longitude': '-73.97768752', 'Trip Duration': '126', 'Start Station ID': '393', 'Start Station Longitude': '-73.97995466', 'End Station Latitude': '40.72521311', 'End Station Name': 'E 9 St & Avenue C', 'Start Time': '2016-12-01 06:18:33', 'Start Station Latitude': '40.72299208', 'End Station ID': '394', 'Bike ID': '23213', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 5 St & Avenue C'}

253/300 sending: {'Birth Year': '1990', 'Stop Time': '2016-12-01 06:35:44', 'End Station Longitude': '-73.95818491', 'Trip Duration': '1029', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:18:34', 'Start Station Latitude': '40.75640548', 'End Station ID': '3141', 'Bike ID': '22587', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 41 St & 8 Ave'}

254/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:24:15', 'End Station Longitude': '-73.993934', 'Trip Duration': '342', 'Start Station ID': '515', 'Start Station Longitude': '-73.99461843', 'End Station Latitude': '40.751551', 'End Station Name': '8 Ave & W 33 St', 'Start Time': '2016-12-01 06:18:33', 'Start Station Latitude': '40.76009437', 'End Station ID': '490', 'Bike ID': '24145', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 43 St & 10 Ave'}

255/300 sending: {'Birth Year': '1977', 'Stop Time': '2016-12-01 06:21:42', 'End Station Longitude': '-73.963198', 'Trip Duration': '184', 'Start Station ID': '481', 'Start Station Longitude': '-73.96264403', 'End Station Latitude': '40.716887', 'End Station Name': 'Wythe Ave & Metropolitan Ave', 'Start Time': '2016-12-01 06:18:37', 'Start Station Latitude': '40.71260486', 'End Station ID': '2002', 'Bike ID': '20650', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'S 3 St & Bedford Ave'}

256/300 sending: {'Birth Year': '1968', 'Stop Time': '2016-12-01 06:22:51', 'End Station Longitude': '-73.96968902', 'Trip Duration': '253', 'Start Station ID': '241', 'Start Station Longitude': '-73.97493121', 'End Station Latitude': '40.68764484', 'End Station Name': 'Clermont Ave & Lafayette Ave', 'Start Time': '2016-12-01 06:18:37', 'Start Station Latitude': '40.68981035', 'End Station ID': '420', 'Bike ID': '27205', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'DeKalb Ave & S Portland Ave'}

257/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:35:15', 'End Station Longitude': '-73.99009296', 'Trip Duration': '995', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.73704984', 'End Station Name': 'E 17 St & Broadway', 'Start Time': '2016-12-01 06:18:40', 'Start Station Latitude': '40.75640548', 'End Station ID': '497', 'Bike ID': '20100', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

258/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:21:50', 'End Station Longitude': '-73.95242929458618', 'Trip Duration': '188', 'Start Station ID': '3294', 'Start Station Longitude': '-73.955327', 'End Station Latitude': '40.78948541553215', 'End Station Name': 'Madison Ave & E 99 St', 'Start Time': '2016-12-01 06:18:41', 'Start Station Latitude': '40.7835016', 'End Station ID': '3345', 'Bike ID': '19347', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 91 St & Park Ave'}

259/300 sending: {'Birth Year': '1969', 'Stop Time': '2016-12-01 06:38:13', 'End Station Longitude': '-73.9907647', 'Trip Duration': '1171', 'Start Station ID': '523', 'Start Station Longitude': '-73.99138152', 'End Station Latitude': '40.73028666', 'End Station Name': 'Lafayette St & E 8 St', 'Start Time': '2016-12-01 06:18:41', 'Start Station Latitude': '40.75466591', 'End Station ID': '293', 'Bike ID': '19066', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 38 St & 8 Ave'}

260/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:21:32', 'End Station Longitude': '-73.98205027', 'Trip Duration': '168', 'Start Station ID': '507', 'Start Station Longitude': '-73.97973776', 'End Station Latitude': '40.73587678', 'End Station Name': 'E 20 St & 2 Ave', 'Start Time': '2016-12-01 06:18:43', 'Start Station Latitude': '40.73912601', 'End Station ID': '461', 'Bike ID': '25281', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 25 St & 2 Ave'}

261/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:51:52', 'End Station Longitude': '-74.0127234', 'Trip Duration': '1989', 'Start Station ID': '3236', 'Start Station Longitude': '-73.99379968643188', 'End Station Latitude': '40.70255065', 'End Station Name': 'Water - Whitehall Plaza', 'Start Time': '2016-12-01 06:18:42', 'Start Station Latitude': '40.75898481399634', 'End Station ID': '534', 'Bike ID': '25952', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & Dyer Ave'}

262/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:23:13', 'End Station Longitude': '-73.98194829', 'Trip Duration': '269', 'Start Station ID': '518', 'Start Station Longitude': '-73.9734419', 'End Station Latitude': '40.7457121', 'End Station Name': 'E 32 St & Park Ave', 'Start Time': '2016-12-01 06:18:44', 'Start Station Latitude': '40.74780373', 'End Station ID': '472', 'Bike ID': '18057', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 39 St & 2 Ave'}

263/300 sending: {'Birth Year': '1974', 'Stop Time': '2016-12-01 06:30:52', 'End Station Longitude': '-73.97634151', 'Trip Duration': '724', 'Start Station ID': '3151', 'Start Station Longitude': '-73.94989233', 'End Station Latitude': '40.76590936', 'End Station Name': 'Central Park S & 6 Ave', 'Start Time': '2016-12-01 06:18:48', 'Start Station Latitude': '40.7728384', 'End Station ID': '2006', 'Bike ID': '26043', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 81 St & York Ave'}

264/300 sending: {'Birth Year': '1956', 'Stop Time': '2016-12-01 06:34:51', 'End Station Longitude': '-74.00711384', 'Trip Duration': '958', 'Start Station ID': '519', 'Start Station Longitude': '-73.977706', 'End Station Latitude': '40.73291553', 'End Station Name': 'Christopher St & Greenwich St', 'Start Time': '2016-12-01 06:18:52', 'Start Station Latitude': '40.751873', 'End Station ID': '358', 'Bike ID': '27091', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Pershing Square North'}

265/300 sending: {'Birth Year': '1971', 'Stop Time': '2016-12-01 06:53:29', 'End Station Longitude': '-73.97648516', 'Trip Duration': '2076', 'Start Station ID': '3418', 'Start Station Longitude': '-73.97111473', 'End Station Latitude': '40.75992262', 'End Station Name': 'W 52 St & 5 Ave', 'Start Time': '2016-12-01 06:18:53', 'Start Station Latitude': '40.6750207', 'End Station ID': '520', 'Bike ID': '25171', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Plaza St West & Flatbush Ave'}

266/300 sending: {'Birth Year': '1986', 'Stop Time': '2016-12-01 06:25:37', 'End Station Longitude': '-74.00681753', 'Trip Duration': '400', 'Start Station ID': '497', 'Start Station Longitude': '-73.99009296', 'End Station Latitude': '40.74334935', 'End Station Name': 'W 16 St & The High Line', 'Start Time': '2016-12-01 06:18:57', 'Start Station Latitude': '40.73704984', 'End Station ID': '212', 'Bike ID': '27169', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 17 St & Broadway'}

267/300 sending: {'Birth Year': '1972', 'Stop Time': '2016-12-01 06:49:47', 'End Station Longitude': '-74.00965965', 'Trip Duration': '1850', 'Start Station ID': '3231', 'Start Station Longitude': '-73.96592080593109', 'End Station Latitude': '40.72405549', 'End Station Name': 'Watts St & Greenwich St', 'Start Time': '2016-12-01 06:18:56', 'Start Station Latitude': '40.76780080148132', 'End Station ID': '328', 'Bike ID': '26416', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 67 St & Park Ave'}

268/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:34:59', 'End Station Longitude': '-73.97498696', 'Trip Duration': '958', 'Start Station ID': '3164', 'Start Station

Longitude': '-73.97898475', 'End Station Latitude': '40.75510267', 'End Station Name': 'E 47 St & Park Ave', 'Start Time': '2016-12-01 06:19:00', 'Start Station Latitude': '40.7770575', 'End Station ID': '359', 'Bike ID': '22491', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Columbus Ave & W 72 St'})

269/300 sending: {'Birth Year': '1980', 'Stop Time': '2016-12-01 06:30:43', 'End Station Longitude': '-73.9999786', 'Trip Duration': '701', 'Start Station ID': '3335', 'Start Station Longitude': '-73.98282002', 'End Station Latitude': '40.69165183', 'End Station Name': 'Atlantic Ave & Furman St', 'Start Time': '2016-12-01 06:19:01', 'Start Station Latitude': '40.6772744', 'End Station ID': '398', 'Bike ID': '18794', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Union St & 4 Ave'})

270/300 sending: {'Birth Year': '1983', 'Stop Time': '2016-12-01 06:41:08', 'End Station Longitude': '-73.9739', 'Trip Duration': '1322', 'Start Station ID': '508', 'Start Station Longitude': '-73.99667444', 'End Station Latitude': '40.7921', 'End Station Name': 'W 92 St & Broadway', 'Start Time': '2016-12-01 06:19:06', 'Start Station Latitude': '40.76341379', 'End Station ID': '3293', 'Bike ID': '25397', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'W 46 St & 11 Ave'})

271/300 sending: {'Birth Year': '1981', 'Stop Time': '2016-12-01 06:31:17', 'End Station Longitude': '-73.971878855', 'Trip Duration': '723', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.7546011026', 'End Station Name': 'E 48 St & 3 Ave', 'Start Time': '2016-12-01 06:19:14', 'Start Station Latitude': '40.75019995', 'End Station ID': '228', 'Bike ID': '26742', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'})

272/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:25:07', 'End Station Longitude': '-74.0091059', 'Trip Duration': '338', 'Start Station ID': '295', 'Start Station Longitude': '-73.99293911', 'End Station Latitude': '40.71625008', 'End Station Name': 'Hudson St & Reade St', 'Start Time': '2016-12-01 06:19:28', 'Start Station Latitude': '40.71406667', 'End Station ID': '146', 'Bike ID': '25440', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Pike St & E Broadway'})

273/300 sending: {'Birth Year': '1982', 'Stop Time': '2016-12-01 06:22:34', 'End Station Longitude': '-73.981013', 'Trip Duration': '179', 'Start Station ID': '258', 'Start Station Longitude': '-73.96885458', 'End Station Latitude': '40.689888', 'End Station Name': 'DeKalb Ave & Hudson Ave', 'Start Time': '2016-12-01 06:19:34', 'Start Station Latitude': '40.68940747', 'End Station ID': '324', 'Bike ID': '27083', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'DeKalb Ave & Vanderbilt Ave'})

274/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:24:02', 'End Station Longitude': '-73.99074142', 'Trip Duration': '263', 'Start Station ID': '439', 'Start Station Longitude': '-73.98978041', 'End Station Latitude': '40.73454567', 'End Station Name': 'Broadway & E 14 St', 'Start Time': '2016-12-01 06:19:38', 'Start Station Latitude': '40.7262807', 'End Station ID': '285', 'Bike ID': '21579', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 4 St & 2 Ave'})

275/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:43:04', 'End Station Longitude': '-73.97573881', 'Trip Duration': '1404', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.73314259', 'End Station Name': 'E 20 St & FDR Drive', 'Start Time': '2016-12-01 06:19:39', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '487', 'Bike ID': '25927', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'})

276/300 sending: {'Birth Year': '1977', 'Stop Time': '2016-12-01 06:34:44', 'End Station Longitude': '-73.96724467', 'Trip Duration': '900', 'Start Station ID': '492', 'Start Station Longitude': '-73.99093085', 'End Station Latitude': '40.76095756', 'End Station Name': 'E 58 St & 3 Ave', 'Start Time': '2016-12-01 06:19:44', 'Start Station Latitude': '40.75019995', 'End Station ID': '305', 'Bike ID': '25222', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 33 St & 7 Ave'})

277/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:31:32', 'End Station Longitude': '-73.98261428', 'Trip Duration': '705', 'Start Station ID': '3152', 'Start Station Longitude': '-73.96119945', 'End Station Latitude': '40.77163851', 'End Station Name': 'W 63 St & Broadway', 'Start Time': '2016-12-01 06:19:47', 'Start Station Latitude': '40.76873687', 'End Station ID': '3158', 'Bike ID': '27234', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '3 Ave & E 71 St'})

278/300 sending: {'Birth Year': '1984', 'Stop Time': '2016-12-01 06:30:41', 'End Station Longitude': '-73.99183362722397', 'Trip Duration': '654', 'Start Station ID': '366', 'Start Station Longitude': '-73.968896', 'End Station Latitude': '40.69102925677968', 'End Station Name': 'Schermerhorn St & Court St', 'Start Time': '2016-12-01 06:19:47', 'Start Station Latitude': '40.693261', 'End Station ID': '3242', 'Bike ID': '19727', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Clinton Ave & Myrtle Ave'})

279/300 sending: {'Birth Year': '1979', 'Stop Time': '2016-12-01 06:32:08', 'End Station Longitude': '-73.977706', 'Trip Duration': '736', 'Start Station ID': '461', 'Start Station Longitude': '-73.98205027', 'End Station Latitude': '40.751873', 'End Station Name': 'Pershing Square North', 'Start Time': '2016-12-01 06:19:51', 'Start Station Latitude': '40.73587678', 'End Station ID': '519', 'Bike ID': '17993', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 20 St & 2 Ave'})

280/300 sending: {'Birth Year': '1988', 'Stop Time': '2016-12-01 06:37:30', 'End Station Longitude': '-73.98721619', 'Trip Duration': '1056', 'Start Station ID': '439', 'Start Station Longitude': '-73.98978041', 'End Station Latitude': '40.75299641', 'End Station Name': 'Broadway & W 39 St', 'Start Time': '2016-12-01 06:19:53', 'Start Station Latitude': '40.7262807', 'End Station ID': '533', 'Bike ID': '24824', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'E 4 St & 2 Ave'})

281/300 sending: {'Birth Year': '1992', 'Stop Time': '2016-12-01 06:29:59', 'End Station Longitude': '-73.97604882', 'Trip Duration': '603', 'Start Station ID': '3243', 'Start Station Longitude': '-73.96226227283478', 'End Station Latitude': '40.7489006', 'End Station Name': 'E 39 St & 3 Ave', 'Start Time': '2016-12-01 06:19:56', 'Start Station Latitude': '40.75892386377695', 'End Station ID': '167', 'Bike ID': '26883', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 58 St & 1 Ave'})

282/300 sending: {'Birth Year': '1995', 'Stop Time': '2016-12-01 06:28:47', 'End Station Longitude': '-73.97667321', 'Trip Duration': '531', 'Start Station ID': '3176', 'Start Station Longitude': '-73.98753759', 'End Station Latitude': '40.78524672', 'End Station Name': 'Amsterdam Ave & W 82 St', 'Start Time': '2016-12-01 06:19:56', 'Start Station Latitude': '40.77452835', 'End Station ID': '3171', 'Bike ID': '21459', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 64 St & West End Ave'})

283/300 sending: {'Birth Year': '1987', 'Stop Time': '2016-12-01 06:39:20', 'End Station Longitude': '-73.9772429', 'Trip Duration': '1160', 'Start Station ID': '3255', 'Start Station Longitude': '-73.9946848154068', 'End Station Latitude': '40.72938685', 'End Station Name': 'E 14 St & Avenue B', 'Start Time': '2016-12-01 06:20:00', 'Start Station Latitude': '40.7505853470215', 'End Station ID': '511', 'Bike ID': '18214', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 31 St'})

284/300 sending: {'Birth Year': '1962', 'Stop Time': '2016-12-01 06:25:40', 'End Station Longitude': '-73.98268129', 'Trip Duration': '334', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76344058', 'End Station Name': 'Broadway & W 53 St', 'Start Time': '2016-12-01 06:20:05', 'Start Station Latitude': '40.75640548', 'End Station ID': '469', 'Bike ID': '17680', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'})

285/300 sending: {'Birth Year': '1976', 'Stop Time': '2016-12-01 06:25:50', 'End Station Longitude': '-73.981013', 'Trip Duration': '345', 'Start Station ID': '270', 'Start Station Longitude': '-73.97178913', 'End Station Latitude': '40.689888', 'End Station Name': 'DeKalb Ave & Hudson Ave', 'Start Time': '2016-12-01 06:20:05', 'Start Station Latitude': '40.69308257', 'End Station ID': '324', 'Bike ID': '19220', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'Adelphi St & Myrtle Ave'})

286/300 sending: {'Birth Year': '1966', 'Stop Time': '2016-12-01 06:43:41', 'End Station Longitude': '-73.95818491', 'Trip Duration': '1409', 'Start Station ID': '252', 'Start Station Longitude': '-73.99852205', 'End Station Latitude': '40.76500525', 'End Station Name': '1 Ave & E 68 St', 'Start Time': '2016-12-01 06:20:12', 'Start Station Latitude': '40.73226398',

'End Station ID': '3141', 'Bike ID': '25216', 'User Type': 'Subscriber', 'Gender': '2', 'Start Station Name': 'MacDougal St & Washington Sq'}
287/300 sending: {'Birth Year': '1963', 'Stop Time': '2016-12-01 06:24:57', 'End Station Longitude': '-73.98014437', 'Trip Duration': '281', 'Start Station ID': '529', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.75500254', 'End Station Name': 'W 44 St & 5 Ave', 'Start Time': '2016-12-01 06:20:15', 'Start Station Latitude': '40.7575699', 'End Station ID': '484', 'Bike ID': '20781', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
288/300 sending: {'Birth Year': '1964', 'Stop Time': '2016-12-01 06:23:43', 'End Station Longitude': '-73.99453948', 'Trip Duration': '204', 'Start Station ID': '293', 'Start Station Longitude': '-73.9907647', 'End Station Latitude': '40.73543934', 'End Station Name': 'W 13 St & 5 Ave', 'Start Time': '2016-12-01 06:20:18', 'Start Station Latitude': '40.73028666', 'End Station ID': '253', 'Bike ID': '25232', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'Lafayette St & E 8 St'}
289/300 sending: {'Birth Year': '1979', 'Stop Time': '2016-12-01 06:31:39', 'End Station Longitude': '-73.99456405', 'Trip Duration': '676', 'Start Station ID': '518', 'Start Station Longitude': '-73.9734419', 'End Station Latitude': '40.73971301', 'End Station Name': 'W 18 St & 6 Ave', 'Start Time': '2016-12-01 06:20:23', 'Start Station Latitude': '40.74780373', 'End Station ID': '168', 'Bike ID': '22446', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'E 39 St & 2 Ave'}
290/300 sending: {'Birth Year': '1958', 'Stop Time': '2016-12-01 06:28:35', 'End Station Longitude': '-73.97722479', 'Trip Duration': '485', 'Start Station ID': '477', 'Start Station Longitude': '-73.9900262', 'End Station Latitude': '40.76340613', 'End Station Name': 'W 56 St & 6 Ave', 'Start Time': '2016-12-01 06:20:30', 'Start Station Latitude': '40.75640548', 'End Station ID': '352', 'Bike ID': '25978', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}
291/300 sending: {'Birth Year': '1989', 'Stop Time': '2016-12-01 06:26:03', 'End Station Longitude': '-74.00681753', 'Trip Duration': '332', 'Start Station ID': '345', 'Start Station Longitude': '-73.99704374', 'End Station Latitude': '40.74334935', 'End Station Name': 'W 16 St & The High Line', 'Start Time': '2016-12-01 06:20:30', 'Start Station Latitude': '40.73649403', 'End Station ID': '212', 'Bike ID': '26726', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 13 St & 6 Ave'}
292/300 sending: {'Birth Year': '1974', 'Stop Time': '2016-12-01 06:31:07', 'End Station Longitude': '-73.97109243', 'Trip Duration': '626', 'Start Station ID': '490', 'Start Station Longitude': '-73.99098507', 'End Station Latitude': '40.75500254', 'End Station Name': 'W 44 St & 5 Ave', 'Start Time': '2016-12-01 06:20:15', 'Start Station Latitude': '40.7575699', 'End Station ID': '484', 'Bike ID': '20781', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 42 St & 8 Ave'}
Took 2 min 6 sec. Last updated by anonymous at November 16 2017, 3:34:13 PM. (outdated)

SQL to query realtime_bike_trips

FINISHED

```
%sql
select * from realtime_bike_trips
```



Bike ID ▾	Birth Year ▾	End Station ID ▾	End Station Latitude ▾	End Station Longitude ▾	End Station Name ▾
17243	1972	477	40.75640548	-73.9900262	W 41 St & 8 Ave
25152	1981	3146	40.77573034	-73.9567526	E 81 St & 3 Ave
26996	1958	3140	40.77140426	-73.9535166	1 Ave & E 78 St
20878	1962	3159	40.77492513	-73.98266566	W 67 St & Broadway
22128	1979	328	40.72405549	-74.00965965	Watts St & Greenwich St
26830	1971	2021	40.75929124	-73.98859651	W 45 St & 8 Ave
16273	1991	3436	40.721319	-74.010065	Greenwich St & Hubert St
22753	1965	379	40.749156	-73.9916	W 31 St & 7 Ave
25295	1987	3345	40.78948541553215	-73.95242929458618	Madison Ave & E 99 St

Took 0 sec. Last updated by anonymous at November 16 2017, 3:33:28 PM.

More SQL with realtime_bike_trips

FINISHED

```
%sql
select count(*) cnt, min(`Start Time`) minTime,
max(`Start Time`) maxTime from realtime_bike_trips
```



cnt ▾	minTime ▾	maxTime ▾
78	2016-12-01 06:08:55	2016-12-01 06:13:33

Took 0 sec. Last updated by anonymous at November 16 2017, 3:33:33 PM.

Shell command to list the Object Store contents

FINISHED

```
%sh
. oehcs.sh
echo Storage Container = $ObjectStorage_Container

echo "Observe the timestamps of the files. You should see files with today's timestamps added by the more complex streaming example"
```

Storage Container = journeyC

Observe the timestamps of the files. You should see files with today's timestamps added by the more complex streaming example

Found 3 items

```
drw-rw-rw-  0 2017-11-16 20:33 swift://journeyC.default/citibike/streaming/_SUCCESS
-rw-rw-rw-  1    19124 2017-11-16 20:33 swift://journeyC.default/citibike/streaming/part-00000-366dfba4-e8c1-4ebd-add7-90179aa63835.json
-rw-rw-rw-  1    15959 2017-11-16 20:32 swift://journeyC.default/citibike/streaming/part-00000-3a2795a2-e958-4ab3-8848-41107af4eefd.json
```

Took 3 sec. Last updated by anonymous at November 16 2017, 3:34:27 PM. (outdated)

Spark code to stop the running Spark Streaming consumer

```
%spark
{
  import org.apache.spark.streaming._
  println("Stopping any active StreamingContext. May take a minute.")
  StreamingContext.getActive().map(_.stop(false,true))
  println("done")
}
```

Stopping any active StreamingContext. May take a minute.
done

Took 2 min 18 sec. Last updated by anonymous at November 16 2017, 3:37:11 PM.

FINISHED

Next Steps

Learn more about:

- Oracle Event Hub Cloud Service: here (<http://docs.oracle.com/cloud/latest/event-hub-cloud/index.html>)
- Spark Streaming: here (<http://spark.apache.org/docs/2.1.0/streaming-programming-guide.html>)
- Apache Kafka: here (<https://kafka.apache.org/>)
- Spark Streaming and Kafka Integration: here (<https://spark.apache.org/docs/2.1.0/streaming-kafka-integration.html>)

Run the OEHCS Demonstration Citi Bike Live Map with OEHCS and Spark Streaming

READY

Change Log

November 16, 2017 - Updated for 17.4.1

September 12, 2017 - Confirmed it works with BDCS-CE 17.3.5

August 13, 2017 - Confirmed it works with BDCSCE 17.3.3-20

August 11, 2017 - Journey v2. Confirmed it works with Spark 2.1

July 28, 2017 - Updated for BDCSCE 17.3.1-20

Took 0 sec. Last updated by anonymous at November 16 2017, 3:29:33 PM.

FINISHED

%md

READY

