New Data Lake/Streaming/Advance…

Example: Querying a Temporary View via JDBC

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 and the "Streaming Tutorial 1: Working with OEHCS and Spark Streaming" first.
```

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, 7:57:28 PM.

About this Example

This example shows how you can start a HiveThriftServer2 in the same Spark application/job as you use with the Zeppelin notebook. One of the things this allows you to do is to connect to the HiveThriftServer2 via JDBC and see the Temporary View objects you've created.

In this example, we will create a real-time Temporary View via Spark Streaming and then show how you can query it via JDBC.

Our HiveThriftServer2 will be setup to run on port 10032 and use the binary transport mode.

Took 0 sec. Last updated by anonymous at November 16 2017, 8:00:25 PM.

More background info

Think of Spark in terms of applications. Each application knows nothing about the other. In BDCS-CE, out of the box you will see 2 applications (also called Jobs in the BDCS-CE console)

One is called "Zeppelin" which is all the spark code you run inside the Zeppelin notebook. If you do the New Data Lake journey which has lots of spark/scala notebook paragraphs, this is where the spark/scala code runs.

The other application is called "Thrift JDBC/ODBC Server" which is an application that does nothing other than run the "HiveThriftServer2" process and is what is typically used for JDBC & ODBC connections.

Most likely, your code to create the temporary table runs in "Zeppelin" but DVD is speaking to "Thrift JDBC/ODBC Server". And "Thrift JDBC/ODBC Server" won't see your temporary view in "Zeppelin".

To expose a Temporary View via JDBC, you want to create your temporary view and run the HiveThriftServer2 in the same Spark application. In this example, we will do so in the "Zeppelin" Spark application.

Took 1 sec. Last updated by anonymous at November 16 2017, 8:38:46 PM.

Setup needed for this example

FINISHED

There is some setup needed for this example. Please do these steps...

- Write down the public IP address of the BDCS-CE instance.
- Create a BDCS-CE Access Rule that opens up port 10032 to the public internet
- Go to Settings..Notebook..Spark2 and add this property (and save it):
  spark.sql.hive.thriftServer.singleSession = true

Took 0 sec. Last updated by anonymous at November 16 2017, 8:03:09 PM. (outdated)

Steps to run this example

FINISHED

- Be sure you completed the tutorials mentioned at the top of this note. This example assumes they have been run successfully.
- Run the paragraph to set the OEHCS and Object Store parameters
- Run the Streaming Consumer paragraph
- Run the Producer paragraph
- Run the Start the HiveThriftServer2 paragraph
- Connect via JDBC using beeline or DVD
- If needed, re-run the Producer paragraph to feed more data
- When you are ready to stop, run the "Stop the running Spark Streaming Consumer" paragraph
- Optionally, restart the notebook to stop the HiveThriftServer2 and get a fresh Spark Zeppelin application

Took 0 sec. Last updated by anonymous at November 16 2017, 8:15:05 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 41 sec. Last updated by anonymous at November 16 2017, 8:26:06 PM.

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

FINISHED

```scala
%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 Sta
      '480', 'Bike ID': '16669', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '8 Ave & W 52 St'}"
  val dummyRDD = sc.parallelize(dummyrec :: Nil)
  var dummyDf=sqlContext.read.json(dummyRDD)
  //df.printSchema()

//Take out spaces in column names because some BI tools cant handle spaces
var renamedDummyDf=dummyDf.withColumnRenamed("Birth Year","BirthYear").withColumnRenamed("Stop Time","StopTime").withColumnRenamed("End Station Longitude","EndStationLongitude"
      ).withColumnRenamed("Trip Duration","TripDuration").withColumnRenamed("Start Station ID","StartStationID").withColumnRenamed("Start Station Longitude","StartStationLongitude"
      ).withColumnRenamed("End Station Latitude","EndStationLatitude").withColumnRenamed("End Station Name","EndStationName").withColumnRenamed("Start Time","StartTime").withColumnRename
      Station Latitude","StartStationLatitude").withColumnRenamed("End Station ID","EndStationID").withColumnRenamed("Bike ID","BikeID").withColumnRenamed("User Type","UserType").withCol
      ("Start Station Name","StartStationName")

  //create a new DF with zero records (but with same column names/types)
  var emptyDF=renamedDummyDf.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
```
root
 |-- BikeID: string (nullable = true)
 |-- BirthYear: string (nullable = true)
 |-- EndStationID: string (nullable = true)
 |-- EndStationLatitude: string (nullable = true)
 |-- EndStationLongitude: string (nullable = true)
 |-- EndStationName: string (nullable = true)
 |-- Gender: string (nullable = true)
 |-- StartStationID: string (nullable = true)
 |-- StartStationLatitude: string (nullable = true)
 |-- StartStationLongitude: string (nullable = true)
 |-- StartStationName: string (nullable = true)
 |-- StartTime: string (nullable = true)
 |-- StopTime: string (nullable = true)
 |-- TripDuration: string (nullable = true)
 |-- UserType: string (nullable = true)
Creating new Streaming Context
topic:gse00002281-TutorialOEHCS
brokers:140.86.32.89:6667
Creating Kafka DStream
Setting up operations on DStream
Starting Streaming Context
```

Took 4 sec. Last updated by anonymous at November 16 2017, 8:26:31 PM.

Producer for the more complex example

RUNNING 0%

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 Lon

gitude': '-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', 'End Station ID': '536', 'Bike ID': '21243', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': 'W 41 St & 8 Ave'}

12/300 sending: {'Birth Year': '1991', 'Stop Time': '2016-12-01 06:14:23', 'End Station Longitude': '-73.98205027', 'Trip Duration': '796', 'Start Station ID': '3141', 'Start Station Longitude': '-73.95818491', 'End Station Latitude': '40.73587678', 'End Station Name': 'E 20 St & 2 Ave', 'Start Time': '2016-12-01 06:01:07', 'Start Station Latitude': '40.76500525', 'End Station ID': '461', 'Bike ID': '25056', 'User Type': 'Subscriber', 'Gender': '1', 'Start Station Name': '1 Ave & E 68 St'}

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'}
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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'}
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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': '-74.01121978', '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': '40.7727966', '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 Lo

ngitude': '-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'}
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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': '-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'}
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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'}
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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'}
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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'}
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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': '-73.971878855', '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'}
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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'}
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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'}
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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': '40.75019995', '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

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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': '40.75510267', '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': '40.74238787', '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': '40.7434

5335', '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 Statio n 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': '40.737 04984', '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 Statio n 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'}

Started 4 minutes ago.

Code to start the HiveThriftSpark2   FINISHED

```spark
%spark

//be careful, running this twice will cause your Spark Session to stop.  Fix=go to Settings...Notebook and click Restart
import org.apache.spark.sql.hive.HiveContext
import org.apache.spark.sql.hive.thriftserver.HiveThriftServer2
import org.apache.spark.sql.hive.thriftserver._

val sql = new HiveContext(sc)
sql.setConf("hive.server2.thrift.port", "10032")
sql.setConf("hive.server2.transport.mode", "binary")
sql.setConf("hive.server2.thrift.bind.host","")
//sql.setConf("spark.sql.hive.thriftServer.singleSession","true") --this must be set before the session starts (can use zeppelin interpreter properties)
HiveThriftServer2.startWithContext(sql)
```

```
import org.apache.spark.sql.hive.HiveContext
import org.apache.spark.sql.hive.thriftserver.HiveThriftServer2
import org.apache.spark.sql.hive.thriftserver._
warning: there was one deprecation warning; re-run with -deprecation for details
sql: org.apache.spark.sql.hive.HiveContext = org.apache.spark.sql.hive.HiveContext@41191402
```

Took 2 sec. Last updated by anonymous at November 16 2017, 8:30:51 PM.

Test that JDBC works...   FINISHED

Option 1 - run beeline via SSH

- Connect via SSH to BDCS-CE
- type: beeline
- type: !connect jdbc:hive2://127.0.0.1:10032/default
- type: show tables;
- type: select * from realtime_bike_trips;
- type: !exit

Option 2 - connect via DVD

- Make a connection of type "Spark"

- For the hostname, you can use the Public IP of BDCS-CE (assuming you created an Access Rule for the internet for port 10032). Or you can use 127.0.0.1 (assuming you created a SSH tunnel for port 10032)

- Use 10032 as port
- Use "hive" as username
- Use "x" as password

- Create a Data Set using your new connection

- You may not see any tables with DVD3/4. In that case, click on Enter SQL and choose "select * from realtime_bike_trips".

- Set the Refresh property to "Live"

Took 0 sec. Last updated by anonymous at November 16 2017, 8:40:40 PM.

SQL to query realtime_bike_trips   FINISHED

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

BikeID	BirthYear	EndStationID	EndStationLatitude	EndStationLongitude	EndStationName	Gender	StartStationID	StartStationLatitude	StartStatio
20941	1960	3436	40.721319	-74.010065	Greenwich St & Hubert St	1	327	40.7153379	-74.016583
22872	1970	402	40.7403432	-73.98955109	Broadway & E 22 St	1	529	40.7575699	-73.990985
22264	1961	3156	40.76663814	-73.95348296	E 72 St & York Ave	1	3370	40.7727966	-73.955778
23776	1965	402	40.7403432	-73.98955109	Broadway & E 22 St	1	529	40.7575699	-73.990985
14798	1985	3150	40.77536905	-73.94803392	E 85 St & York Ave	1	3147	40.77801203	-73.954071
16674	1959	3264	40.764210071690634	-73.96910458803177	E 61 St & Park Ave	1	529	40.7575699	-73.990985
15025	1978	362	40.75172632	-73.98753523	Broadway & W 37 St	2	477	40.75640548	-73.990026
25381	1959	3159	40.77492513	-73.98266566	W 67 St & Broadway	1	478	40.76030096	-73.998842

Took 0 sec. Last updated by anonymous at November 16 2017, 8:41:26 PM.

Spark code to stop the running Spark Streaming consumer   FINISHED

```
%spark
{
    import org.apache.spark.streaming._
    println("Stopping any active StreamingContext.  May take a minute.")
```

```
Stopping any active StreamingContext.  May take a minute.
done
```

Took 37 sec. Last updated by anonymous at November 16 2017, 4:47:00 PM.

Script to look at last lines of Spark Zeppelin log file

<div align="right">FINISHED</div>

```
 INFO [2017-11-17 01:41:02,921] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 151.0 in stage 103.0 (TID 726, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 151, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,921] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 150.0 in stage 103.0 (TID 725) in 6 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (154/200)
 INFO [2017-11-17 01:41:02,926] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 152.0 in stage 103.0 (TID 727, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 152, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,927] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 151.0 in stage 103.0 (TID 726) in 6 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (155/200)
 INFO [2017-11-17 01:41:02,932] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 153.0 in stage 103.0 (TID 728, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 153, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,932] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 152.0 in stage 103.0 (TID 727) in 6 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (156/200)
 INFO [2017-11-17 01:41:02,937] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 154.0 in stage 103.0 (TID 729, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 154, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,937] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 153.0 in stage 103.0 (TID 728) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (157/200)
 INFO [2017-11-17 01:41:02,941] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 155.0 in stage 103.0 (TID 730, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 155, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,941] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 154.0 in stage 103.0 (TID 729) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (158/200)
 INFO [2017-11-17 01:41:02,944] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 156.0 in stage 103.0 (TID 731, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 156, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,945] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 155.0 in stage 103.0 (TID 730) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (159/200)
 INFO [2017-11-17 01:41:02,948] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 157.0 in stage 103.0 (TID 732, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 157, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,948] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 156.0 in stage 103.0 (TID 731) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (160/200)
 INFO [2017-11-17 01:41:02,953] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 158.0 in stage 103.0 (TID 733, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 158, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,953] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 157.0 in stage 103.0 (TID 732) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (161/200)
 INFO [2017-11-17 01:41:02,957] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 159.0 in stage 103.0 (TID 734, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 159, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,957] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 158.0 in stage 103.0 (TID 733) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (162/200)
 INFO [2017-11-17 01:41:02,960] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 160.0 in stage 103.0 (TID 735, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 160, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,961] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 159.0 in stage 103.0 (TID 734) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (163/200)
 INFO [2017-11-17 01:41:02,967] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 161.0 in stage 103.0 (TID 736, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 161, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,967] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 160.0 in stage 103.0 (TID 735) in 7 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (164/200)
 INFO [2017-11-17 01:41:02,973] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 162.0 in stage 103.0 (TID 737, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
```

internal, executor 1, partition 162, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,973] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 161.0 in stage 103.0 (TID 736) in 7 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (165/200)
 INFO [2017-11-17 01:41:02,981] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 163.0 in stage 103.0 (TID 738, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 163, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,981] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 162.0 in stage 103.0 (TID 737) in 8 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (166/200)
 INFO [2017-11-17 01:41:02,985] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 164.0 in stage 103.0 (TID 739, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 164, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,985] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 163.0 in stage 103.0 (TID 738) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (167/200)
 INFO [2017-11-17 01:41:02,988] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 165.0 in stage 103.0 (TID 740, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 165, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,989] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 164.0 in stage 103.0 (TID 739) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (168/200)
 INFO [2017-11-17 01:41:02,992] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 166.0 in stage 103.0 (TID 741, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 166, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,992] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 165.0 in stage 103.0 (TID 740) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (169/200)
 INFO [2017-11-17 01:41:02,995] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 167.0 in stage 103.0 (TID 742, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 167, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,996] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 166.0 in stage 103.0 (TID 741) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (170/200)
 INFO [2017-11-17 01:41:02,999] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 168.0 in stage 103.0 (TID 743, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 168, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:02,999] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 167.0 in stage 103.0 (TID 742) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (171/200)
 INFO [2017-11-17 01:41:03,003] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 169.0 in stage 103.0 (TID 744, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 169, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,003] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 168.0 in stage 103.0 (TID 743) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (172/200)
 INFO [2017-11-17 01:41:03,006] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 170.0 in stage 103.0 (TID 745, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 170, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,006] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 169.0 in stage 103.0 (TID 744) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (173/200)
 INFO [2017-11-17 01:41:03,009] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 171.0 in stage 103.0 (TID 746, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 171, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,009] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 170.0 in stage 103.0 (TID 745) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (174/200)
 INFO [2017-11-17 01:41:03,013] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 172.0 in stage 103.0 (TID 747, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 172, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,013] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 171.0 in stage 103.0 (TID 746) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (175/200)
 INFO [2017-11-17 01:41:03,016] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 173.0 in stage 103.0 (TID 748, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 173, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,016] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 172.0 in stage 103.0 (TID 747) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (176/200)
 INFO [2017-11-17 01:41:03,019] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 174.0 in stage 103.0 (TID 749, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 174, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,019] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 173.0 in stage 103.0 (TID 748) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (177/200)
 INFO [2017-11-17 01:41:03,022] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 175.0 in stage 103.0 (TID 750, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 175, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,022] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 174.0 in stage 103.0 (TID 749) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (178/200)

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 INFO [2017-11-17 01:41:03,025] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 176.0 in stage 103.0 (TID 751, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 176, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,025] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 175.0 in stage 103.0 (TID 750) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (179/200)
 INFO [2017-11-17 01:41:03,028] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 177.0 in stage 103.0 (TID 752, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 177, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,028] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 176.0 in stage 103.0 (TID 751) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (180/200)
 INFO [2017-11-17 01:41:03,031] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 179.0 in stage 103.0 (TID 753, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 179, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,031] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 177.0 in stage 103.0 (TID 752) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (181/200)
 INFO [2017-11-17 01:41:03,034] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 180.0 in stage 103.0 (TID 754, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 180, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,034] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 179.0 in stage 103.0 (TID 753) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (182/200)
 INFO [2017-11-17 01:41:03,037] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 181.0 in stage 103.0 (TID 755, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 181, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,037] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 180.0 in stage 103.0 (TID 754) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (183/200)
 INFO [2017-11-17 01:41:03,040] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 182.0 in stage 103.0 (TID 756, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 182, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,040] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 181.0 in stage 103.0 (TID 755) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (184/200)
 INFO [2017-11-17 01:41:03,043] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 183.0 in stage 103.0 (TID 757, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 183, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,043] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 182.0 in stage 103.0 (TID 756) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (185/200)
 INFO [2017-11-17 01:41:03,046] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 184.0 in stage 103.0 (TID 758, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 184, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,049] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 185.0 in stage 103.0 (TID 759, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 185, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,050] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 183.0 in stage 103.0 (TID 757) in 8 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (186/200)
 INFO [2017-11-17 01:41:03,050] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 184.0 in stage 103.0 (TID 758) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (187/200)
 INFO [2017-11-17 01:41:03,053] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 187.0 in stage 103.0 (TID 760, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 187, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,053] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 185.0 in stage 103.0 (TID 759) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (188/200)
 INFO [2017-11-17 01:41:03,057] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 188.0 in stage 103.0 (TID 761, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 188, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,058] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 187.0 in stage 103.0 (TID 760) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (189/200)
 INFO [2017-11-17 01:41:03,060] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 189.0 in stage 103.0 (TID 762, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 189, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,061] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 188.0 in stage 103.0 (TID 761) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (190/200)
 INFO [2017-11-17 01:41:03,064] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 190.0 in stage 103.0 (TID 763, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 190, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,064] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 189.0 in stage 103.0 (TID 762) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (191/200)
 INFO [2017-11-17 01:41:03,067] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 191.0 in stage 103.0 (TID 764, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 191, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,067] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 190.0 in stage 103.0 (TID 763) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
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lecloud.internal (executor 1) (192/200)
 INFO [2017-11-17 01:41:03,070] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 192.0 in stage 103.0 (TID 765, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 192, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,070] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 191.0 in stage 103.0 (TID 764) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (193/200)
 INFO [2017-11-17 01:41:03,073] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 193.0 in stage 103.0 (TID 766, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 193, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,073] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 192.0 in stage 103.0 (TID 765) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (194/200)
 INFO [2017-11-17 01:41:03,076] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 195.0 in stage 103.0 (TID 767, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 195, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,077] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 193.0 in stage 103.0 (TID 766) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (195/200)
 INFO [2017-11-17 01:41:03,080] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 196.0 in stage 103.0 (TID 768, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 196, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,081] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 195.0 in stage 103.0 (TID 767) in 5 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (196/200)
 INFO [2017-11-17 01:41:03,083] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 197.0 in stage 103.0 (TID 769, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 197, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,083] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 196.0 in stage 103.0 (TID 768) in 3 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (197/200)
 INFO [2017-11-17 01:41:03,087] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 198.0 in stage 103.0 (TID 770, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 198, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,087] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 197.0 in stage 103.0 (TID 769) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (198/200)
 INFO [2017-11-17 01:41:03,091] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 199.0 in stage 103.0 (TID 771, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.
internal, executor 1, partition 199, PROCESS_LOCAL, 8194 bytes)
 INFO [2017-11-17 01:41:03,091] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 198.0 in stage 103.0 (TID 770) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (199/200)
 INFO [2017-11-17 01:41:03,095] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 199.0 in stage 103.0 (TID 771) in 4 ms on dcbnov15c-bdcsce-1.compute-gse00002281.orac
lecloud.internal (executor 1) (200/200)
 INFO [2017-11-17 01:41:03,095] ({task-result-getter-3} Logging.scala[logInfo]:54) - Removed TaskSet 103.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:03,095] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ResultStage 103 (runInternal at Operation.java:257) finished in 0.865 s
 INFO [2017-11-17 01:41:03,096] ({HiveServer2-Handler-Pool: Thread-192} Logging.scala[logInfo]:54) - Job 70 finished: runInternal at Operation.java:257, took 0.924223 s
 INFO [2017-11-17 01:41:03,231] ({HiveServer2-Handler-Pool: Thread-192} Logging.scala[logInfo]:54) - Result Schema: StructType(StructField(c1,IntegerType,false), StructField(c2,StringT
ype,true), StructField(c3,StringType,true), StructField(c4,StringType,true), StructField(c5,StringType,true))
 INFO [2017-11-17 01:41:21,720] ({pool-2-thread-6} SchedulerFactory.java[jobStarted]:131) - Job remoteInterpretJob_1510882881720 started by scheduler org.apache.zeppelin.spark.SparkInt
erpreter39561355
 INFO [2017-11-17 01:41:21,722] ({pool-2-thread-6} Logging.scala[logInfo]:54) - Parsing command: select * from realtime_bike_trips
 INFO [2017-11-17 01:41:21,784] ({pool-2-thread-6} Logging.scala[logInfo]:54) - Starting job: take at NativeMethodAccessorImpl.java:0
 INFO [2017-11-17 01:41:21,785] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Got job 71 (take at NativeMethodAccessorImpl.java:0) with 1 output partitions
 INFO [2017-11-17 01:41:21,785] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Final stage: ResultStage 104 (take at NativeMethodAccessorImpl.java:0)
 INFO [2017-11-17 01:41:21,785] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Parents of final stage: List()
 INFO [2017-11-17 01:41:21,785] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Missing parents: List()
 INFO [2017-11-17 01:41:21,786] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting ResultStage 104 (MapPartitionsRDD[384] at take at NativeMethodAccessorImpl.java:0),
which has no missing parents
 INFO [2017-11-17 01:41:21,789] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_104 stored as values in memory (estimated size 15.4 KB, free 366.3 MB)
 INFO [2017-11-17 01:41:21,791] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_104_piece0 stored as bytes in memory (estimated size 6.7 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:21,791] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Added broadcast_104_piece0 in memory on 10.196.177.198:37831 (size: 6.7 KB, free: 366.3 MB)
 INFO [2017-11-17 01:41:21,792] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Created broadcast 104 from broadcast at DAGScheduler.scala:996
 INFO [2017-11-17 01:41:21,792] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting 1 missing tasks from ResultStage 104 (MapPartitionsRDD[384] at take at NativeMethodA
ccessorImpl.java:0)
 INFO [2017-11-17 01:41:21,792] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Adding task set 104.0 with 1 tasks
 INFO [2017-11-17 01:41:21,794] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Added task set TaskSet_104.0 tasks to pool default
 INFO [2017-11-17 01:41:21,795] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 0.0 in stage 104.0 (TID 772, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in

ternal, executor 1, partition 0, RACK_LOCAL, 7730 bytes)
 INFO [2017-11-17 01:41:21,801] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Added broadcast_104_piece0 in memory on dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.inter
nal:49414 (size: 6.7 KB, free: 93.3 MB)
 INFO [2017-11-17 01:41:21,808] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 0.0 in stage 104.0 (TID 772) in 14 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracl
ecloud.internal (executor 1) (1/1)
 INFO [2017-11-17 01:41:21,809] ({task-result-getter-0} Logging.scala[logInfo]:54) - Removed TaskSet 104.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:21,810] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ResultStage 104 (take at NativeMethodAccessorImpl.java:0) finished in 0.015 s
 INFO [2017-11-17 01:41:21,810] ({pool-2-thread-6} Logging.scala[logInfo]:54) - Job 71 finished: take at NativeMethodAccessorImpl.java:0, took 0.025378 s
 INFO [2017-11-17 01:41:21,817] ({pool-2-thread-6} Logging.scala[logInfo]:54) - Starting job: take at NativeMethodAccessorImpl.java:0
 INFO [2017-11-17 01:41:21,817] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Got job 72 (take at NativeMethodAccessorImpl.java:0) with 1 output partitions
 INFO [2017-11-17 01:41:21,817] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Final stage: ResultStage 105 (take at NativeMethodAccessorImpl.java:0)
 INFO [2017-11-17 01:41:21,817] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Parents of final stage: List()
 INFO [2017-11-17 01:41:21,817] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Missing parents: List()
 INFO [2017-11-17 01:41:21,818] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting ResultStage 105 (MapPartitionsRDD[384] at take at NativeMethodAccessorImpl.java:0),
which has no missing parents
 INFO [2017-11-17 01:41:21,819] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_105 stored as values in memory (estimated size 15.4 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:21,822] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_105_piece0 stored as bytes in memory (estimated size 6.7 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:21,822] ({dispatcher-event-loop-1} Logging.scala[logInfo]:54) - Added broadcast_105_piece0 in memory on 10.196.177.198:37831 (size: 6.7 KB, free: 366.3 MB)
 INFO [2017-11-17 01:41:21,823] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Created broadcast 105 from broadcast at DAGScheduler.scala:996
 INFO [2017-11-17 01:41:21,823] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting 1 missing tasks from ResultStage 105 (MapPartitionsRDD[384] at take at NativeMethodA
ccessorImpl.java:0)
 INFO [2017-11-17 01:41:21,824] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Adding task set 105.0 with 1 tasks
 INFO [2017-11-17 01:41:21,825] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Added task set TaskSet_105.0 tasks to pool default
 INFO [2017-11-17 01:41:21,826] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Starting task 0.0 in stage 105.0 (TID 773, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 1, RACK_LOCAL, 7730 bytes)
 INFO [2017-11-17 01:41:21,830] ({dispatcher-event-loop-1} Logging.scala[logInfo]:54) - Added broadcast_105_piece0 in memory on dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.inter
nal:49414 (size: 6.7 KB, free: 93.3 MB)
 INFO [2017-11-17 01:41:21,851] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 0.0 in stage 105.0 (TID 773) in 26 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracl
ecloud.internal (executor 1) (1/1)
 INFO [2017-11-17 01:41:21,851] ({task-result-getter-1} Logging.scala[logInfo]:54) - Removed TaskSet 105.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:21,859] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ResultStage 105 (take at NativeMethodAccessorImpl.java:0) finished in 0.034 s
 INFO [2017-11-17 01:41:21,860] ({pool-2-thread-6} Logging.scala[logInfo]:54) - Job 72 finished: take at NativeMethodAccessorImpl.java:0, took 0.043261 s
 INFO [2017-11-17 01:41:21,870] ({pool-2-thread-6} SchedulerFactory.java[jobFinished]:137) - Job remoteInterpretJob_1510882881720 finished by scheduler org.apache.zeppelin.spark.SparkI
nterpreter39561355
 INFO [2017-11-17 01:41:26,656] ({pool-2-thread-5} SchedulerFactory.java[jobStarted]:131) - Job remoteInterpretJob_1510882886656 started by scheduler org.apache.zeppelin.spark.SparkInt
erpreter39561355
 INFO [2017-11-17 01:41:26,658] ({pool-2-thread-5} Logging.scala[logInfo]:54) - Parsing command: select * from realtime_bike_trips
 INFO [2017-11-17 01:41:26,700] ({pool-2-thread-5} Logging.scala[logInfo]:54) - Starting job: take at NativeMethodAccessorImpl.java:0
 INFO [2017-11-17 01:41:26,701] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Got job 73 (take at NativeMethodAccessorImpl.java:0) with 1 output partitions
 INFO [2017-11-17 01:41:26,701] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Final stage: ResultStage 106 (take at NativeMethodAccessorImpl.java:0)
 INFO [2017-11-17 01:41:26,701] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Parents of final stage: List()
 INFO [2017-11-17 01:41:26,701] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Missing parents: List()
 INFO [2017-11-17 01:41:26,702] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting ResultStage 106 (MapPartitionsRDD[387] at take at NativeMethodAccessorImpl.java:0),
which has no missing parents
 INFO [2017-11-17 01:41:26,703] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_106 stored as values in memory (estimated size 15.4 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:26,705] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_106_piece0 stored as bytes in memory (estimated size 6.7 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:26,705] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Added broadcast_106_piece0 in memory on 10.196.177.198:37831 (size: 6.7 KB, free: 366.3 MB)
 INFO [2017-11-17 01:41:26,705] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Created broadcast 106 from broadcast at DAGScheduler.scala:996
 INFO [2017-11-17 01:41:26,705] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting 1 missing tasks from ResultStage 106 (MapPartitionsRDD[387] at take at NativeMethodA
ccessorImpl.java:0)
 INFO [2017-11-17 01:41:26,705] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Adding task set 106.0 with 1 tasks
 INFO [2017-11-17 01:41:26,706] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Added task set TaskSet_106.0 tasks to pool default
 INFO [2017-11-17 01:41:26,707] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Starting task 0.0 in stage 106.0 (TID 774, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 0, RACK_LOCAL, 7730 bytes)
 INFO [2017-11-17 01:41:26,712] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Added broadcast_106_piece0 in memory on dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.inter

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nal:49414 (size: 6.7 KB, free: 93.3 MB)
 INFO [2017-11-17 01:41:26,718] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 0.0 in stage 106.0 (TID 774) in 12 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracl
ecloud.internal (executor 1) (1/1)
 INFO [2017-11-17 01:41:26,719] ({task-result-getter-2} Logging.scala[logInfo]:54) - Removed TaskSet 106.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:26,719] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ResultStage 106 (take at NativeMethodAccessorImpl.java:0) finished in 0.013 s
 INFO [2017-11-17 01:41:26,719] ({pool-2-thread-5} Logging.scala[logInfo]:54) - Job 73 finished: take at NativeMethodAccessorImpl.java:0, took 0.018274 s
 INFO [2017-11-17 01:41:26,722] ({pool-2-thread-5} Logging.scala[logInfo]:54) - Starting job: take at NativeMethodAccessorImpl.java:0
 INFO [2017-11-17 01:41:26,723] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Got job 74 (take at NativeMethodAccessorImpl.java:0) with 1 output partitions
 INFO [2017-11-17 01:41:26,723] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Final stage: ResultStage 107 (take at NativeMethodAccessorImpl.java:0)
 INFO [2017-11-17 01:41:26,723] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Parents of final stage: List()
 INFO [2017-11-17 01:41:26,723] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Missing parents: List()
 INFO [2017-11-17 01:41:26,723] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting ResultStage 107 (MapPartitionsRDD[387] at take at NativeMethodAccessorImpl.java:0),
which has no missing parents
 INFO [2017-11-17 01:41:26,725] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_107 stored as values in memory (estimated size 15.4 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:26,726] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_107_piece0 stored as bytes in memory (estimated size 6.7 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:26,726] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Added broadcast_107_piece0 in memory on 10.196.177.198:37831 (size: 6.7 KB, free: 366.3 MB)
 INFO [2017-11-17 01:41:26,726] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Created broadcast 107 from broadcast at DAGScheduler.scala:996
 INFO [2017-11-17 01:41:26,726] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting 1 missing tasks from ResultStage 107 (MapPartitionsRDD[387] at take at NativeMethodA
ccessorImpl.java:0)
 INFO [2017-11-17 01:41:26,726] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Adding task set 107.0 with 1 tasks
 INFO [2017-11-17 01:41:26,728] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Added task set TaskSet_107.0 tasks to pool default
 INFO [2017-11-17 01:41:26,729] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 0.0 in stage 107.0 (TID 775, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 1, RACK_LOCAL, 7730 bytes)
 INFO [2017-11-17 01:41:26,732] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Added broadcast_107_piece0 in memory on dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.inter
nal:49414 (size: 6.7 KB, free: 93.3 MB)
 INFO [2017-11-17 01:41:26,742] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 0.0 in stage 107.0 (TID 775) in 14 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracl
ecloud.internal (executor 1) (1/1)
 INFO [2017-11-17 01:41:26,742] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ResultStage 107 (take at NativeMethodAccessorImpl.java:0) finished in 0.014 s
 INFO [2017-11-17 01:41:26,742] ({task-result-getter-3} Logging.scala[logInfo]:54) - Removed TaskSet 107.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:26,742] ({pool-2-thread-5} Logging.scala[logInfo]:54) - Job 74 finished: take at NativeMethodAccessorImpl.java:0, took 0.019930 s
 INFO [2017-11-17 01:41:26,748] ({pool-2-thread-5} SchedulerFactory.java[jobFinished]:137) - Job remoteInterpretJob_1510882886656 finished by scheduler org.apache.zeppelin.spark.SparkI
nterpreter39561355
 INFO [2017-11-17 01:41:30,007] ({JobGenerator} Logging.scala[logInfo]:54) - Added jobs for time 1510882890000 ms
 INFO [2017-11-17 01:41:30,008] ({JobScheduler} Logging.scala[logInfo]:54) - Starting job streaming job 1510882890000 ms.0 from job set of time 1510882890000 ms
 INFO [2017-11-17 01:41:30,020] ({streaming-job-executor-0} Logging.scala[logInfo]:54) - Starting job: json at <console>:87
 INFO [2017-11-17 01:41:30,021] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Got job 75 (json at <console>:87) with 2 output partitions
 INFO [2017-11-17 01:41:30,021] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Final stage: ResultStage 108 (json at <console>:87)
 INFO [2017-11-17 01:41:30,021] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Parents of final stage: List()
 INFO [2017-11-17 01:41:30,021] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Missing parents: List()
 INFO [2017-11-17 01:41:30,021] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting ResultStage 108 (MapPartitionsRDD[390] at json at <console>:87), which has no missin
g parents
 INFO [2017-11-17 01:41:30,023] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_108 stored as values in memory (estimated size 5.5 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:30,024] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_108_piece0 stored as bytes in memory (estimated size 3.3 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:30,025] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Added broadcast_108_piece0 in memory on 10.196.177.198:37831 (size: 3.3 KB, free: 366.3 MB)
 INFO [2017-11-17 01:41:30,025] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Created broadcast 108 from broadcast at DAGScheduler.scala:996
 INFO [2017-11-17 01:41:30,025] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting 2 missing tasks from ResultStage 108 (MapPartitionsRDD[390] at json at <console>:87)
 INFO [2017-11-17 01:41:30,025] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Adding task set 108.0 with 2 tasks
 INFO [2017-11-17 01:41:30,028] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Added task set TaskSet_108.0 tasks to pool default
 INFO [2017-11-17 01:41:30,029] ({dispatcher-event-loop-1} Logging.scala[logInfo]:54) - Starting task 0.0 in stage 108.0 (TID 776, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 0, RACK_LOCAL, 8039 bytes)
 INFO [2017-11-17 01:41:30,036] ({dispatcher-event-loop-2} Logging.scala[logInfo]:54) - Added broadcast_108_piece0 in memory on dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.inter
nal:49414 (size: 3.3 KB, free: 93.3 MB)
 INFO [2017-11-17 01:41:30,043] ({dispatcher-event-loop-1} Logging.scala[logInfo]:54) - Starting task 1.0 in stage 108.0 (TID 777, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 1, RACK_LOCAL, 8039 bytes)
 INFO [2017-11-17 01:41:30,043] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 0.0 in stage 108.0 (TID 776) in 15 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracl
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ecloud.internal (executor 1) (1/2)
 INFO [2017-11-17 01:41:30,049] ({task-result-getter-1} Logging.scala[logInfo]:54) - Finished task 1.0 in stage 108.0 (TID 777) in 6 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracle
cloud.internal (executor 1) (2/2)
 INFO [2017-11-17 01:41:30,049] ({task-result-getter-1} Logging.scala[logInfo]:54) - Removed TaskSet 108.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:30,049] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ResultStage 108 (json at <console>:87) finished in 0.021 s
 INFO [2017-11-17 01:41:30,050] ({streaming-job-executor-0} Logging.scala[logInfo]:54) - Job 75 finished: json at <console>:87, took 0.029395 s
 INFO [2017-11-17 01:41:30,072] ({streaming-job-executor-0} Logging.scala[logInfo]:54) - Starting job: count at <console>:89
 INFO [2017-11-17 01:41:30,072] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Registering RDD 394 (count at <console>:89)
 INFO [2017-11-17 01:41:30,073] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Got job 76 (count at <console>:89) with 1 output partitions
 INFO [2017-11-17 01:41:30,073] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Final stage: ResultStage 110 (count at <console>:89)
 INFO [2017-11-17 01:41:30,073] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Parents of final stage: List(ShuffleMapStage 109)
 INFO [2017-11-17 01:41:30,073] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Missing parents: List(ShuffleMapStage 109)
 INFO [2017-11-17 01:41:30,073] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting ShuffleMapStage 109 (MapPartitionsRDD[394] at count at <console>:89), which has no m
issing parents
 INFO [2017-11-17 01:41:30,083] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_109 stored as values in memory (estimated size 13.6 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:30,084] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_109_piece0 stored as bytes in memory (estimated size 7.0 KB, free 366.2 MB)
 INFO [2017-11-17 01:41:30,085] ({dispatcher-event-loop-1} Logging.scala[logInfo]:54) - Added broadcast_109_piece0 in memory on 10.196.177.198:37831 (size: 7.0 KB, free: 366.3 MB)
 INFO [2017-11-17 01:41:30,086] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Created broadcast 109 from broadcast at DAGScheduler.scala:996
 INFO [2017-11-17 01:41:30,086] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting 2 missing tasks from ShuffleMapStage 109 (MapPartitionsRDD[394] at count at <console
>:89)
 INFO [2017-11-17 01:41:30,086] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Adding task set 109.0 with 2 tasks
 INFO [2017-11-17 01:41:30,087] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Added task set TaskSet_109.0 tasks to pool default
 INFO [2017-11-17 01:41:30,092] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Starting task 0.0 in stage 109.0 (TID 778, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 0, RACK_LOCAL, 8061 bytes)
 INFO [2017-11-17 01:41:30,102] ({dispatcher-event-loop-1} Logging.scala[logInfo]:54) - Added broadcast_109_piece0 in memory on dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.inter
nal:49414 (size: 7.0 KB, free: 93.3 MB)
 INFO [2017-11-17 01:41:30,113] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Starting task 1.0 in stage 109.0 (TID 779, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 1, RACK_LOCAL, 8061 bytes)
 INFO [2017-11-17 01:41:30,114] ({task-result-getter-2} Logging.scala[logInfo]:54) - Finished task 0.0 in stage 109.0 (TID 778) in 26 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracl
ecloud.internal (executor 1) (1/2)
 INFO [2017-11-17 01:41:30,121] ({task-result-getter-3} Logging.scala[logInfo]:54) - Finished task 1.0 in stage 109.0 (TID 779) in 8 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracle
cloud.internal (executor 1) (2/2)
 INFO [2017-11-17 01:41:30,121] ({task-result-getter-3} Logging.scala[logInfo]:54) - Removed TaskSet 109.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:30,121] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ShuffleMapStage 109 (count at <console>:89) finished in 0.033 s
 INFO [2017-11-17 01:41:30,121] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - looking for newly runnable stages
 INFO [2017-11-17 01:41:30,121] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - running: Set()
 INFO [2017-11-17 01:41:30,121] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - waiting: Set(ResultStage 110)
 INFO [2017-11-17 01:41:30,121] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - failed: Set()
 INFO [2017-11-17 01:41:30,121] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting ResultStage 110 (MapPartitionsRDD[397] at count at <console>:89), which has no missi
ng parents
 INFO [2017-11-17 01:41:30,122] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_110 stored as values in memory (estimated size 7.0 KB, free 366.1 MB)
 INFO [2017-11-17 01:41:30,123] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Block broadcast_110_piece0 stored as bytes in memory (estimated size 3.7 KB, free 366.1 MB)
 INFO [2017-11-17 01:41:30,124] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Added broadcast_110_piece0 in memory on 10.196.177.198:37831 (size: 3.7 KB, free: 366.2 MB)
 INFO [2017-11-17 01:41:30,126] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Created broadcast 110 from broadcast at DAGScheduler.scala:996
 INFO [2017-11-17 01:41:30,126] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Submitting 1 missing tasks from ResultStage 110 (MapPartitionsRDD[397] at count at <console>:89
)
 INFO [2017-11-17 01:41:30,126] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Adding task set 110.0 with 1 tasks
 INFO [2017-11-17 01:41:30,126] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - Added task set TaskSet_110.0 tasks to pool default
 INFO [2017-11-17 01:41:30,139] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Starting task 0.0 in stage 110.0 (TID 780, dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.in
ternal, executor 1, partition 0, NODE_LOCAL, 8040 bytes)
 INFO [2017-11-17 01:41:30,144] ({dispatcher-event-loop-0} Logging.scala[logInfo]:54) - Added broadcast_110_piece0 in memory on dcbnov15c-bdcsce-1.compute-gse00002281.oraclecloud.inter
nal:49414 (size: 3.7 KB, free: 93.2 MB)
 INFO [2017-11-17 01:41:30,145] ({dispatcher-event-loop-3} Logging.scala[logInfo]:54) - Asked to send map output locations for shuffle 33 to 10.196.177.198:35714
 INFO [2017-11-17 01:41:30,145] ({map-output-dispatcher-0} Logging.scala[logInfo]:54) - Size of output statuses for shuffle 33 is 196 bytes
 INFO [2017-11-17 01:41:30,147] ({task-result-getter-0} Logging.scala[logInfo]:54) - Finished task 0.0 in stage 110.0 (TID 780) in 20 ms on dcbnov15c-bdcsce-1.compute-gse00002281.oracl

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ecloud.internal (executor 1) (1/1)
 INFO [2017-11-17 01:41:30,148] ({task-result-getter-0} Logging.scala[logInfo]:54) - Removed TaskSet 110.0, whose tasks have all completed, from pool default
 INFO [2017-11-17 01:41:30,148] ({dag-scheduler-event-loop} Logging.scala[logInfo]:54) - ResultStage 110 (count at <console>:89) finished in 0.021 s
 INFO [2017-11-17 01:41:30,148] ({streaming-job-executor-0} Logging.scala[logInfo]:54) - Job 76 finished: count at <console>:89, took 0.075936 s
 INFO [2017-11-17 01:41:30,203] ({streaming-job-executor-0} Logging.scala[logInfo]:54) - Parsing command: realtime_bike_trips
 INFO [2017-11-17 01:41:30,208] ({JobScheduler} Logging.scala[logInfo]:54) - Finished job streaming job 1510882890000 ms.0 from job set of time 1510882890000 ms
 INFO [2017-11-17 01:41:30,208] ({JobScheduler} Logging.scala[logInfo]:54) - Total delay: 0.208 s for time 1510882890000 ms (execution: 0.200 s)
 INFO [2017-11-17 01:41:30,208] ({JobGenerator} Logging.scala[logInfo]:54) - Removing RDD 364 from persistence list
 INFO [2017-11-17 01:41:30,209] ({block-manager-slave-async-thread-pool-12} Logging.scala[logInfo]:54) - Removing RDD 364
 INFO [2017-11-17 01:41:30,209] ({JobGenerator} Logging.scala[logInfo]:54) - Deleting batches:
 INFO [2017-11-17 01:41:30,209] ({JobGenerator} Logging.scala[logInfo]:54) - remove old batch metadata: 1510882830000 ms
```

Took 0 sec. Last updated by anonymous at November 16 2017, 8:41:34 PM.

Change Log

FINISHED

November 16, 2017 - Created for 17.4.1

Took 0 sec. Last updated by anonymous at November 16 2017, 8:22:56 PM.

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%md
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READY