Load data from Kafka to Hadoop

<Steps to run the python file to load data from Kafka>

1. Create a python file to consume data from kafka

```
vi spark_kafka_to_local.py
```

2. Run spark submit command

```
export SPARK KAFKA VERSION=0.10
```

```
spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.11:2.4.5 spark_kafka_to_local.py 18.211.252.152 9092 de-capstone3
```

3. Create another python file to clean the loaded Kafka data to a more structured format

```
vi spark_local_flatten.py
```

4. Run spark submit command

```
spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.11:2.4.5 spark_local_flatten.py
```

<Steps to load the data into Hadoop>

1. Make a directory using mkdir command

```
hadoop fs -mkdir clickstream_data_flatten
```

2. Loading the data from local file system to hadoop file system

```
hadoop fs- put ~/clickstream_data_flatten clickstream_data_flatten
```

3. Checking the data file in hadoop

```
hadoop fs -ls clickstream data flatten
```

hadoop fs -cat clickstream_data_flatten/ part-00000-ec5ef800-8491-400f-9149-dc9a9158c46a-c000.csv \mid wc -l

<Screenshot of the data>