#### **Output**

### **Real Time Ingestion and Output of Card Transaction CSV**

Kafka D-streams are created which will consume the incoming real time data Spark Streaming process is used to fetch the Card transaction data

The 5235 records of Ingested JSON data

# **Classification:**

## 59191 GENUINE Card\_ID after the update

	A		В	С	D	Е
1	card_txn.key	*	card_tx 🔻	card_tx 🔻	card_tx 🔻	card_tx 🔻
2	{"card_id":340028465709212,"transa	act	9.25E+12	15650	6.81E+14	GENUINE
3	{"card_id":340028465709212,"transa	act	9.25E+12	13485	3.26E+14	GENUINE
4	{"card_id":340028465709212,"transa	act	9.25E+12	63951	3.06E+14	GENUINE
5	{"card_id":340028465709212,"transa	act	9.25E+12	24658	2.47E+14	GENUINE
6	{"card_id":340028465709212,"transa	act	9.25E+12	35201	7.41E+14	GENUINE
7	{"card_id":340028465709212,"transa	act	9.25E+12	42718	7.26E+14	GENUINE
8	{"card_id":340028465709212,"transa	act	9.25E+12	51542	4.98E+14	GENUINE
9	{"card_id":340028465709212,"transa	act	9.25E+12	81428	4.18E+14	GENUINE
10	{"card_id":340028465709212,"transa	act	9.25E+12	88433	2.25E+14	GENUINE
11	{"card_id":340028465709212,"transa	act	9.25E+12	25537	5.54E+14	GENUINE
12	{"card_id":340028465709212,"transa	act	9.25E+12	71363	6.34E+14	GENUINE
13	{"card_id":340028465709212,"transa	act	9.25E+12	11952	3.50E+14	GENUINE
14	{"card_id":340028465709212,"transa	act	9.25E+12	58641	4.47E+13	GENUINE
15	{"card_id":340028465709212,"transa	act	9.25E+12	82630	8.43E+13	GENUINE
16	{"card_id":340028465709212,"transa	act	9.25E+12	84776	7.25E+13	GENUINE
17	{"card_id":340028465709212,"transa	act	9.25E+12	68320	9.89E+14	GENUINE
18	{"card_id":340028465709212,"transa	act	9.25E+12	84056	7.99E+14	GENUINE
19	{"card_id":340028465709212,"transa	act	9.25E+12	31322	5.77E+13	GENUINE
20	{"card_id":340028465709212,"transa	act	9.25E+12	14847	5.84E+14	GENUINE
21	{"card_id":340028465709212,"transa	act	9.25E+12	24078	4.85E+14	GENUINE
22	{"card_id":340028465709212,"transa	act	9.25E+12	21524	4.88E+14	GENUINE
23	{"card_id":340028465709212,"transa	act	9.25E+12	82933	2.19E+14	GENUINE
24	{"card_id":340028465709212,"transa	act	9.25E+12	27865	5.62E+14	GENUINE

### 178 FRAUD Transactions after the update

		_				
1	card_txn.key	<b>T</b>	card_tx 🔻	card_tx ▼	card_tx ▼	card_tx 🔻
31	{"card_id":340028465709212,"transa	ct	9.25E+12	95636	6.54E+14	FRAUD
249	{"card_id":340134186926007,"transa	ct	8.88E+14	24330	1.31E+14	FRAUD
636	{"card_id":341005627432127,"transa	ct	8.72E+14	15623	6.29E+14	FRAUD
995	{"card_id":341519629171378,"transa	ct	5.34E+14	15120	4.89E+14	FRAUD
1039	{"card_id":341519629171378,"transa	ct	5.34E+14	24535	7.11E+14	FRAUD
1371	{"card_id":342048672911139,"transa	ct	4.09E+14	88252	6.77E+13	FRAUD
1731	{"card_id":342659393657862,"transa	ct	7.56E+13	36601	2.57E+14	FRAUD
1732	{"card_id":342659393657862,"transa	ct	7.56E+13	80471	5.53E+14	FRAUD
1738	{"card_id":342659393657862,"transa	ct	7.56E+13	17581	8.60E+14	FRAUD
1741	{"card_id":342659393657862,"transa	ct	7.56E+13	75779	4.37E+13	FRAUD
1742	{"card_id":342659393657862,"transa	ct	7.56E+13	28690	8.50E+14	FRAUD
1748	{"card_id":342659393657862,"transa	ct	7.56E+13	15465	9.97E+13	FRAUD
1783	{"card_id":342679959520647,"transa	ct	3.29E+14	25978	7.66E+14	FRAUD
1784	{"card_id":342679959520647,"transa	ct	3.29E+14	25978	7.66E+14	FRAUD
1802	{"card_id":342679959520647,"transa	ct	3.29E+14	25908	9.20E+13	FRAUD
3160	{"card_id":344250415187512,"transa	ct	7.87E+14	43317	8.59E+14	FRAUD
3487	{"card_id":344544208972277,"transa	ct	8.31E+14	71320	6.02E+14	FRAUD
3578	{"card_id":344583480345238,"transa	ct	6.68E+14	25537	5.54E+14	FRAUD
3794	{"card_id":345027679564944,"transa	ct	8.09E+14	85327	2.78E+14	FRAUD
4023	{"card_id":345140945581726,"transa	ct	1.27E+14	24747	9.58E+14	FRAUD

The Output screenshots required for the initial part of Ingestion of RDBMS Data, NO SQL Table creation, Batch procession were already shown in the Capstone Project – Doc (Mid Submission) .