

Folder Structure :

Documents > Data Science > BITS > Semester3 > Assignments > SPA > Assignment2 > Final Submission

Name	Date modified	Type	Size
cross_validation_dataset.csv	17-06-2020 18:20	XLS Worksheet	21,924 KB
Fraud_Detection_System.ipynb	17-06-2020 15:20	IPYNB File	58 KB
Fraud_Detection_System.pdf	17-06-2020 18:30	WPS PDF Document	141 KB
master_dataset.csv	17-06-2020 18:25	XLS Worksheet	19 KB
PS_20174392719_1491204439457_log.csv	06-06-2020 13:06	XLS Worksheet	4,81,968 KB
training_dataset.csv	17-06-2020 18:19	XLS Worksheet	48,717 KB
Transaction_Master.ipynb	17-06-2020 15:20	IPYNB File	139 KB
Transaction_Master.pdf	17-06-2020 18:30	WPS PDF Document	487 KB

Master Dataset :

localhost:8888/edit/Documents/Data%20Science/BITS/Semester3/Assignments/SPA/Assignment2/master_dataset.csv

jupyter master_dataset.csv 2 hours ago Logout

File	Edit	View	Language	current mode
1	1,PAYMENT,7073.6,C611289995,0.0,0.0,M663466110,0.0,0.0			
2	1,PAYMENT,2803.83,C1129433283,0.0,0.0,M864138492,0.0,0.0			
3	1,PAYMENT,106.81,C1810518740,0.0,0.0,M295180183,0.0,0.0			
4	1,PAYMENT,6297.71,C1547883191,762.0,0.0,M1650113431,0.0,0.0			
5	1,PAYMENT,2610.01,C1528769018,58697.54,56087.54,M183155105,0.0,0.0			
6	1,PAYMENT,5320.1,C1089930529,56087.54,50767.43,M2001115307,0.0,0.0			
7	1,PAYMENT,1460.63,C1429483328,1132.0,0.0,M172794870,0.0,0.0			
8	1,TRANSFER,522264.81,C1927963027,24.0,0.0,C1234776885,11361.0,2025098.66			
9	1,DEBIT,3584.21,C833240229,135496.0,131911.79,C1330106945,100614.05,24044.18			
10	1,PAYMENT,3704.97,C1167088639,24553.0,20848.03,M707531688,0.0,0.0			
11	1,PAYMENT,2773.61,C191568263,14332.0,11558.39,M1799635803,0.0,0.0			
12	1,PAYMENT,3896.42,C751608431,11558.39,7661.97,M1723290893,0.0,0.0			
13	1,PAYMENT,18781.84,C893640573,7661.97,0.0,M2085886997,0.0,0.0			
14	1,PAYMENT,6660.33,C893523498,17710.0,11049.67,M1770070706,0.0,0.0			
15	1,TRANSFER,26923.42,C1108517064,11049.67,0.0,C1983747920,199404.91,95508.95			
16	1,TRANSFER,53783.57,C511354923,0.0,0.0,C1899073220,75514.0,420946.86			
17	1,TRANSFER,80333.28,C992743048,0.0,0.0,C1749186397,321592.98,277515.05			
18	1,TRANSFER,211075.91,C1540894701,0.0,0.0,C564160838,930082.81,1254956.07			
19	1,TRANSFER,100677.86,C203149502,0.0,0.0,C1531333864,701567.56,55974.56			
20	1,TRANSFER,473499.51,C1198197478,0.0,0.0,C453211571,883248.39,3461666.05			
21	1,TRANSFER,1538200.39,C476579021,0.0,0.0,C1590550415,6977445.38,19169204.93			
22	1,TRANSFER,2421578.09,C106297322,0.0,0.0,C1590550415,8515645.77,19169204.93			
23	1,TRANSFER,1349670.68,C1419332030,0.0,0.0,C665576141,1538085.96,5515763.34			

Kafka Feeds :

SystemStatus

```
34 Initializing Streaming Service!
35 Begin Streaming!
36 Initializing Alert stream!
37
38
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TransactionMaster Live feed

1, PAYMENT, 9839.64, C1231006815, 170136.0, 160296.36, M1979787155, 0.0, 0.0, 0.0
1, PAYMENT, 1864.28, C1666544295, 21249.0, 19384.72, M2044282225, 0.0, 0.0, 0.0
1, TRANSFER, 181.0, C1305486145, 181.0, 0.0, C553264065, 0.0, 0.0, 0.0
1, CASH_OUT, 181.0, C840083671, 181.0, 0.0, C38997010, 21182.0, 0.0, 0.0
1, PAYMENT, 11668.14, C2048537720, 41554.0, 29885.86, M1230701703, 0.0, 0.0, 0.0
1, PAYMENT, 7817.71, C90045638, 53860.0, 46042.29, M573487274, 0.0, 0.0, 0.0
1, PAYMENT, 7107.77, C154988899, 183195.0, 176087.23, M408069119, 0.0, 0.0, 0.0
1, PAYMENT, 7861.64, C1912850431, 176087.23, 168225.59, M633326333, 0.0, 0.0, 0.0
1, PAYMENT, 4024.36, C1265012928, 2671.0, 0.0, M1176932104, 0.0, 0.0, 0.0
1, DEBIT, 5337.77, C712410124, 41720.0, 36382.23, C195600860, 41898.0, 40348.79
1, DEBIT, 9644.94, C1900366749, 4465.0, 0.0, C997608398, 10845.0, 157982.12
1, PAYMENT, 3099.97, C249177573, 20771.0, 17671.03, M2096539129, 0.0, 0.0, 0.0
1, PAYMENT, 2560.74, C1648232591, 5070.0, 2509.26, M972865270, 0.0, 0.0, 0.0
1, PAYMENT, 11633.76, C1716932897, 10127.0, 0.0, M801569151, 0.0, 0.0, 0.0
1, PAYMENT, 4098.78, C1026483832, 503264.0, 499165.22, M1635378213, 0.0, 0.0, 0.0
1, CASH_OUT, 229133.94, C905080434, 15325.0, 0.0, C476402209, 5083.0, 51513.44
1, PAYMENT, 1563.82, C761750706, 450.0, 0.0, M1731217984, 0.0, 0.0, 0.0
1, PAYMENT, 1157.86, C1237762639, 21156.0, 19998.14, M1877062907, 0.0, 0.0, 0.0
1, PAYMENT, 671.64, C2033524545, 15123.0, 14451.36, M473053293, 0.0, 0.0, 0.0
1, TRANSFER, 215310.3, C1670993182, 705.0, 0.0, C1100439041, 22425.0, 0.0, 0.0
1, PAYMENT, 1373.43, C20804602, 13854.0, 12480.57, M1344519051, 0.0, 0.0, 0.0
1, DEBIT, 9302.79, C1566511282, 11299.0, 1996.21, C1973538135, 29832.0, 16896.7
1, DEBIT, 1065.41, C1959239586, 1817.0, 751.59, C515132998, 10330.0, 0.0, 0.0
1, PAYMENT, 3876.41, C504336483, 67852.0, 63975.59, M1404932042, 0.0, 0.0, 0.0
1, TRANSFER, 311685.89, C1984094095, 10835.0, 0.0, C932583850, 6267.0, 2719172.89
1, PAYMENT, 6061.13, C1043358826, 443.0, 0.0, M1558079303, 0.0, 0.0, 0.0
1, PAYMENT, 9478.39, C1671590089, 116494.0, 107015.61, M58488213, 0.0, 0.0, 0.0
1, PAYMENT, 8009.09, C1053967012, 10968.0, 2958.91, M295304806, 0.0, 0.0, 0.0
1, PAYMENT, 8901.99, C1632497828, 2958.91, 0.0, M33419717, 0.0, 0.0, 0.0
1, PAYMENT, 9920.52, C764826684, 0.0, 0.0, M1940055334, 0.0, 0.0, 0.0
1, PAYMENT, 3448.92, C2103763750, 0.0, 0.0, M335107734, 0.0, 0.0, 0.0
1, PAYMENT, 4206.84, C215078753, 0.0, 0.0, M1757317128, 0.0, 0.0, 0.0
1, PAYMENT, 5885.56, C840514538, 0.0, 0.0, M1804441305, 0.0, 0.0, 0.0
1, PAYMENT, 5307.88, C1768242710, 0.0, 0.0, M1971783162, 0.0, 0.0, 0.0
1, PAYMENT, 5031.22, C247113419, 0.0, 0.0, M151442075, 0.0, 0.0, 0.0
1, PAYMENT, 24213.67, C1238616099, 0.0, 0.0, M70695990, 0.0, 0.0, 0.0
1, PAYMENT, 8603.42, C1608633989, 753.0, 0.0, M1615617512, 0.0, 0.0, 0.0

SuccesfullTransactionFeed

```
21366 Success: Row(step=6, type='PAYMENT', amount=10438.03, nameOrig='C1471230198', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='M1743032972', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
21367 Success: Row(step=6, type='PAYMENT', amount=45923.16, nameOrig='C751180603', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='M1927763846', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
21368 Success: Row(step=6, type='PAYMENT', amount=14479.12, nameOrig='C739241900', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='M1874622547', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
21369 Success: Row(step=6, type='PAYMENT', amount=5435.22, nameOrig='C1754096028', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='M1686106686', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
21370 Success: Row(step=6, type='PAYMENT', amount=16906.99, nameOrig='C1933551964', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='M992775130', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
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FraudTransactionFeed

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1005 Flagged: Row(step=6, type='PAYMENT', amount=10348.03, nameOrig='C1471500198', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
1006 Flagged: Row(step=6, type='PAYMENT', amount=45233.16, nameOrig='C561180603', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
1007 Flagged: Row(step=6, type='PAYMENT', amount=14479.12, nameOrig='C4592341900', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='M1874622547', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
1008 Flagged: Row(step=6, type='PAYMENT', amount=5435.22, nameOrig='C1754096028', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='M1686106686', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
1009 Flagged: Row(step=6, type='PAYMENT', amount=16906.99, nameOrig='C1933533464', oldbalanceOrig=0.0, newbalanceOrig=0.0, nameDest='', oldbalanceDest=0.0, newbalanceDest=0.0, prediction=0.0)
```