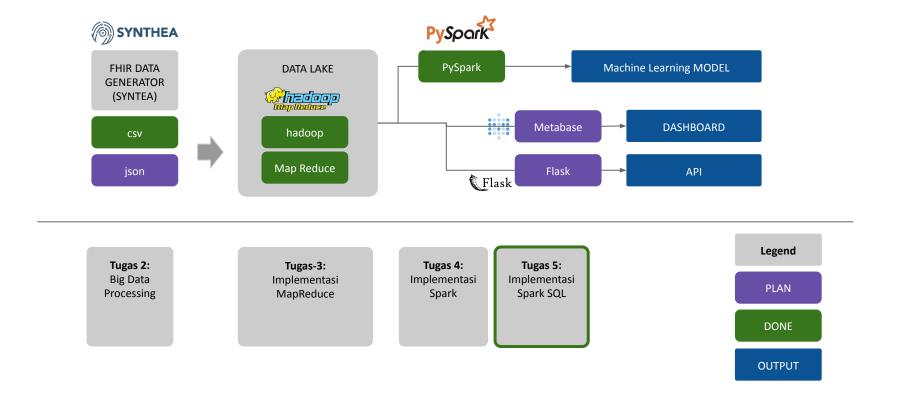
LAPORAN

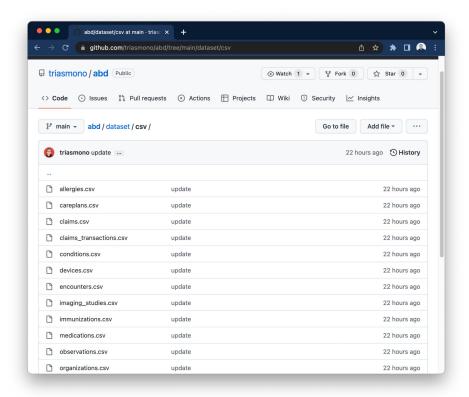
TUGAS ANALISIS BIG DATA

TRIASMONO (21/475796/PPA/06138)

Pipeline Data Processing



Tugas-2



Link:

https://github.com/triasmono/abd/tree/ main/dataset/csv

Data di generate dari Synthea

Tugas-3

```
(venv) triasmono@triasmacbook abd % python mapReduce.py dataset/HepatitisCdata.csv

No configs found; falling back on auto-configuration

No configs specified for inline runner

Creating temp directory /var/folders/5g/d1xb8j6d6c9g4_snjzsjnm6c0000gn/T/mapReduce.triasmono.20220610.060005.462654

Running step 1 of 1...
job output is in /var/folders/5g/d1xb8j6d6c9g4_snjzsjnm6c0000gn/T/mapReduce.triasmono.20220610.060005.462654/output

Streaming final output from /var/folders/5g/d1xb8j6d6c9g4_snjzsjnm6c0000gn/T/mapReduce.triasmono.20220610.060005.462654/output...

"0s=suspect Blood Donor" 7

"1=Hepatitis" 24

"2=Fibrosis" 21

"3=Cirrhosis" 30

"Category" 1

"0=Blood Donor" 533

Removing temp directory /var/folders/5g/d1xb8j6d6c9g4_snjzsjnm6c0000gn/T/mapReduce.triasmono.20220610.060005.462654...

(venv) triasmono@triasmacbook abd %
```

Output saat dijalankan di localhost

Link pada repository qithub : https://qithub.com/triasmono/abd/mapReduce.py

Dataset trial sementara menggunakan HepatitisCdata.csv

Tugas-4

```
22/06/10 13:11:05 WARN BLAS: Failed to load implementation from: com.github.fommil.netlib.NativeSystemBLAS
22/06/10 13:11:05 WARN BLAS: Failed to load implementation from: com.github.fommil.netlib.NativeRefBLAS
                                           rawPrediction|
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.8659999122222...|[0.9999999713294...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.6972748438798...|[0.99999999637431...|
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.9749012032268...|[0.99999999744246...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.9063606025137...|[0.9999999667374...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.5157851429802...|[0.9999999566777...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.5895969347311...|[0.99999999586296...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.7244889135414...|[0.99999999620717...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.4388356918784...|[0.99999999520268...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.1590785471911...|[0.99999999304878...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[15.8170447401296...|[0.99999998951661...|
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.6806147119589...|[0.99999999644018...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[15.8477759590231...|[0.99999998967104...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.6008486946049...|[0.99999999596483...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.0583569358174...|[0.99999999223021...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.5373985507710...|[0.9999999568303...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[17.4481221311405...|[0.99999999850756...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.5500199027248...|[0.9999999524594...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[16.4596877596279...|[0.99999999525499...|
|(1047,[0,1,2,3,4,...|0=Blood Donor|[15.9649865493678...|[0.99999998951217...|
                                                                                     0.01
|(1047,[0,1,2,3,4,...|0=Blood Donor|[15.6290177850385...|[0.99999998572352...|
                                                                                     0.01
only showing top 20 rows
```

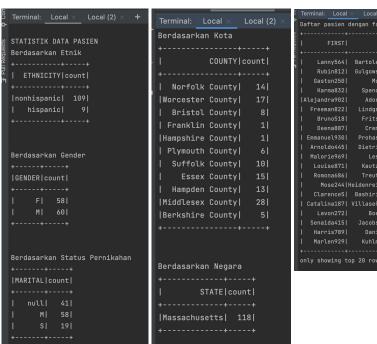
link:

https://github.com/triasmono/abd/spark.py

 Dataset trial sementara menggunakan HepatitisCdata.csv

Output saat dijalankan di localhost

Tugas-5: Spark SQL



Terminal: Local × Local (2) × + ✓				
Daftar pasien dengan fasilitas kesehatan				
<u> </u>				
1	FIRST	LAST	HEALTHCARE_EXPENSES	HEALTHCARE_COVERAGE
+				+
į	Lanny564	Bartoletti50	604126.44	4697.97
1	Rubin812	Gulgowski816	54666.47	33950.5
1 1	Gaston250	Moen819	944069.78	800.7
1	Karma832	Spencer878	229386.87	989380.51
Ale	jandra902	Adorno791	2846160.05	23723.55
Fi	reeman822	Lindgren255	51656.85	74.95
1	Bruno518	Fritsch593	123246.63	96.06
1	Deena887	Cremin516	669038.6	57.86
Emi	manuel930	Prohaska837	1602695.76	3259.21
A	rnoldo445	Dietrich576	1077165.32	118460.51
Ma	alorie969	Lesch175	394204.08	305293.7
1 1	Louise871	Kautzer186	78057.2	106.01
1 1	Romona686	Treutel973	2110503.88	310716.25
1	Mose244	Heidenreich818	612804.64	3855.85
1 1	Clarence5	Bashirian201	1644695.93	20671.58
Ca	talina187	Villaseñor332	2048801.49	460488.11
1	Lavon272	Boehm581	1710580.93	13226.56
I S	enaida415	Jacobson885	1310753.4	375396.93
1 1	Harris789	Daniel959	1688778.67	53556.7
1 1	Marlen929	Kuhlman484	52278.6	0.0
+				
only showing top 20 rows				

Daftar rencana perawatan pasien DESCRIPTION |4dbddb44-6dab-6a6...|225358003| |4dbddb44-6dab-6a6...|718361005|Weight management...| |2a1214a2-7488-3b1...| 53950000| Respiratory therapy| |2a1214a2-7488-3b1...|734163000|Care plan (record...| |b191cd76-2dbf-5af...|276239002|Therapy (regime/t...| |b191cd76-2dbf-5af...|711282006| Skin condition care| |ceaaa849-8b9a-48e...|134435003|Routine antenatal...| |ceaaa849-8b9a-48e...|134435003|Routine antenatal...| |ceaaa849-8b9a-48e...|698360004|Diabetes self man...| |46df91f7-d789-de1...|443402002|Lifestyle educati...| |46df91f7-d789-de1...|734163000|Care plan (record...| |46df91f7-d789-de1...|773513001|Physiotherapy car...| |46df91f7-d789-de1...|736376001|Infectious diseas...| |46df91f7-d789-de1...|736376001|Infectious diseas...| |0716a41b-b232-dd6...|384758001|Self-care interve...| [0716a41b-b232-dd6...[225358003] |bb990949-195f-0fe...|134435003|Routine antenatal...| |bb990949-195f-0fe...|276239002|Therapy (regime/t...| |bb990949-195f-0fe...|385691007| Fracture carel |bb990949-195f-0fe...|134435003|Routine antenatal...| +----+ only showing top 20 rows

Output saat dijalankan di localhost

- Code pada repository github : https://github.com/triasmono/abd/sparksql.py
- Dataset trial sementara menggunakan patients.csv dan careplans.csv
- Simulasi menampilkan statistik data patients dan rencana perawatan