

testcase12_parquet_parquet_mismatch_manual

fingerprint comparison

1. Run Summary

Application Name	:etl_pipeline_goldlayer
Protocol Name	:DATFDemo
Protocol File Path	:datf_core//test/testprotocol/testselection_template.xlsx
Testcase Name	:testcase12_parquet_parquet_mismatch_manual
Testcase Type	:fingerprint
Test Environment	:SIT
Start Time	:10-Mar-2025 15:50:05 UTC
End Time	:10-Mar-2025 15:58:01 UTC
Run Time	:0:07:56
Test Result	:Failed
Reason	:One or more fingerprint mismatched. Please check detail report for more info

2. Configuration Details

Compare Type	:likeobjectcompare
testquerygenerationmode	:Manual
Testcase Type	:fingerprint
Source Connection Name	:RawS3Bucket
Source Connection Type	:aws-s3
Source Connection Value	:RawS3Bucket
Source Format	:parquet
Source Name	:patient_data_source_parquet
Source Path	:test/data/source
Target Connection Name	:CuratedS3Bucket
Target Connection Type	:aws-s3
Target Connection Value	:CuratedS3Bucket
Target Format	:parquet
Target Name	:patient_data_target_parquet
Target Path	:test/data/target
Primary Keys	:id

3. Fingerprint Summary

Test Result	:Failed
No. of KPIs in Source	:9
No. of KPIs in Target	:9
No. of KPIs matched	:4
No. of KPIs mismatched	:5

4. SQL Queries

4.1 Source Query

SELECT
ADDRESS,BIRTHDATE,BIRTHPLACE,CITY,COUNTY,DEATHDATE,DRIVERS,ETHNICITY,FIRST,GENDER,HEALTH
CARE_COVERAGE,HEALTHCARE_EXPENSES,LAST,LAT,LON,MAIDEN,MARITAL,PASSPORT,PREFIX,RACE,SSN,
STATE,SUFFIX,ZIP,id FROM rawpatients

4.2 Target Query

SELECT
ADDRESS,BIRTHDATE,BIRTHPLACE,CITY,COUNTY,DEATHDATE,DRIVERS,ETHNICITY,FIRST,GENDER,HEALTH
CARE_COVERAGE,HEALTHCARE_EXPENSES,LAST,LAT,LON,MAIDEN,MARITAL,PASSPORT,PREFIX,RACE,SSN,
STATE,SUFFIX,ZIP,id FROM curatedpatients

5. Fingerprint Comparison Report

5.1. KPI (1) - Row Count

Source Row Count	:1001000
Target Row Count	:1001000

KPI Status :Passed
Reason :Source and Target row count is matching

5.2. KPI (2) - Column Count

Source Column Count :25
Target Column Count :25
KPI Status :Passed
Reason :Source column count and target column count is matching

5.3. KPI (3) - Column Level Null Check

List of Columns has null in source :(['DEATHDATE', 900877), ('DRIVERS', 200539), ('MAIDEN', 800319), ('PASSPORT', 300807), ('SUFFIX', 800558)]
List of Columns has null in target :(['DEATHDATE', 901273), ('DRIVERS', 200008), ('MAIDEN', 800625), ('PASSPORT', 299989), ('SUFFIX', 800405)]
KPI Status :Failed
Reason :Source or/and Target has nulls in some columns

5.4. KPI (4) - Row Level Null Check

No of null rows in source :0
No of null rows in target :0
KPI Status :Passed
Reason :No rows are null

5.5. KPI (5) - Column Level empty Check

List of Columns has empty in source :[]
List of Columns has empty in target :[]
KPI Status :Passed
Reason :Source or/and Target has no empty values in any columns

5.6. KPI (6) - Column Level Duplicate Check

List of Columns has duplicates in source:['ADDRESS', 'BIRTHDATE', 'BIRTHPLACE', 'CITY', 'COUNTY', 'DEATHDATE', 'DRIVERS', 'ETHNICITY', 'FIRST', 'GENDER', 'HEALTHCARE_COVERAGE', 'HEALTHCARE_EXPENSES', 'LAST', 'LAT', 'LON', 'MAIDEN', 'MARITAL', 'PASSPORT', 'PREFIX', 'RACE', 'SSN', 'STATE', 'SUFFIX', 'ZIP', 'id']
List of Columns has duplicates in target :['ADDRESS', 'BIRTHDATE', 'BIRTHPLACE', 'CITY', 'COUNTY', 'DEATHDATE', 'DRIVERS', 'ETHNICITY', 'FIRST', 'GENDER', 'HEALTHCARE_COVERAGE', 'HEALTHCARE_EXPENSES', 'LAST', 'LAT', 'LON', 'MAIDEN', 'MARITAL', 'PASSPORT', 'PREFIX', 'RACE', 'SSN', 'STATE', 'SUFFIX', 'ZIP', 'id']
KPI Status :Failed
Reason :Source or/and Target has duplicate values in some columns
Duplicate values matching between source and target Non-Matched

5.6.1 Source Duplicate - Column Level

S.No	Column Name	Concatenated Duplicates
1	ADDRESS	ADXfCnxCEXocEiN

2	BIRTHDATE	1995-06-25 2000-07-03 2021-10-06 1946-02-25 1938-09-17 1961-11-01 1974-05-11 1951-11-16 1996-02-09 1938-03-12 2018-07-23 1939-04-28 1969-06-16 1930-04-07 1965-11-12 1966-11-30 2025-01-23 1950-07-29 1996-02-29 1983-06-16 1993-08-26 1946-07-15 1999-02-01 1970-11-04 1954-09-19 1993-12-19 1985-10-19 1935-10-22 1996-12-22 1972-05-02 2004-06-12 2013-02-17 1988-01-13 1959-01-22 1962-04-18 1933-09-13 1992-10-30 1993-09-26 1955-07-03 2002-06-24 1965-04-01 1990-11-30 1966-02-20 2015-03-09 1944-05-08 1949-08-28 1967-05-31 1936-11-28 1966-05-22 1944-05-25
3	BIRTHPLACE	dloniiUYFPs
4	CITY	LSWJdAweZl
5	COUNTY	oOOquzvTyq
6	DEATHDATE	2002-12-25 1998-05-16 2056-06-14 1985-10-19 1981-03-25 1996-10-17 2054-09-02 2051-02-17 2013-05-21 2025-10-21 2025-01-23 2026-05-09 1966-11-30 2053-08-22 2014-10-30 1982-07-02 1971-05-12 2038-10-03 2070-01-14 2000-12-26 1998-06-16 1996-12-22 2032-10-28 1976-10-06 2013-05-13 1993-09-26 2025-10-19 2073-11-15 1990-11-30 1961-06-12 2059-01-11 1995-12-01 1984-02-24 2011-10-03 2028-08-19 2048-05-16 1978-02-08 1972-05-02 2078-06-18 2036-09-07 2051-09-07 1993-08-26 2002-06-24 2006-05-21 2004-06-12 1999-02-01 1974-05-11 2010-10-04 1997-03-25 1999-08-14
7	DRIVERS	KRKBvUYNsj
8	ETHNICITY	Hispanic
9	FIRST	qwkUmh
10	GENDER	M

11	HEALTHCARE_COVERAGE	2332.0283 4295.82 9922.7 9508.8545 6039.391 9233.855 7202.031 8677.452 9151.201 7199.0083 4371.5713 1138.1304 9051.257 2841.8489 3402.4353 6302.516 5672.1807 6476.467 8373.373 9541.741 3218.9463 8618.104 9348.429 7311.551 8683.429 3838.0679 5035.4736 6766.944 8230.819 5874.9556 6271.314 1790.7161 4282.0864 3844.8582 6610.2373 7299.8486 2701.5837 2888.5273 9420.182 4285.4536 6646.897 3097.2805 9178.811 3186.2441 8759.925 493.29617 5970.666 8950.377 7116.816 9537.8545
12	HEALTHCARE_EXPENSES	89438.555 7914.237 78032.13 97387.57 73930.6 96596.73 24487.027 47904.16 73763.63 62658.613 35284.008 49049.93 88664.48 95825.68 29221.012 84458.336 72270.625 48773.918 80116.73 66578.84 85233.81 82314.805 78913.34 99287.016 11483.324 90369.445 45188.707 99951.805 78123.45 76124.08 46189.3 79934.81 58417.594 97142.45 66331.26 35701.59 42907.844 86898.52 43881.59 83446.555 78919.086 88204.91 83369.67 93088.53 91524.88 85836.375 97913.94 98155.84 75242.79 38559.273
13	LAST	URMXGQla

14	LAT	-36.174915 -38.83365 -72.512856 -82.30611 72.34066 -70.67419 -74.253975 75.150734 68.56535 -84.79017 82.08587 -38.47233 -70.503105 67.81425 -39.445072 -54.764626 65.030014 -67.09473 -71.631935 32.786507 -12.212008 56.63808 -51.08525 48.182552 79.69087 69.78019 85.82644 39.93303 -78.727394 78.811134 -37.168133 80.49 64.44565 -73.09879 74.287186 -54.182533 81.601715 -45.30577 51.576992 -89.77743 -68.636 -45.321426 31.572542 -45.281155 47.620697 -65.42435 -87.49944 11.786202 -76.01961 71.75859
15	LON	-64.37452 19.457335 7.548823 151.55872 -147.51355 -99.3252 -136.56503 175.46852 -158.66997 -144.25652 -149.07501 -129.04736 -136.37477 122.23118 -115.21688 114.82724 -82.54124 34.214268 77.20992 -40.000248 156.37428 -167.58911 143.07114 -130.55138 -150.38463 -84.37634 -121.73278 164.79257 -169.24231 -145.26561 -139.89789 164.27371 -79.08597 -148.74844 67.75595 -155.9377 81.20606 -114.77331 -130.8416 151.87303 149.7574 4.285708 59.129154 -16.33329 123.38443 149.99544 -151.68703 167.05206 -55.146152 148.93251
16	MAIDEN	HOslOtnn
17	MARITAL	Widowed
18	PASSPORT	uSKsADpZo
19	PREFIX	Mr.
20	RACE	Other
21	SSN	167-89-2702
22	STATE	FL
23	SUFFIX	Sr.
24	ZIP	17395

25	id	27 63 303 389 474 754 964 51 65 379 418 541 558 192 234 243 440 14 279 860 346 415 608 636 846 446 598 941 957 385 736 982 17 135 292 738 809 932 59 77 542 453 463 493 939 15 165 188 878 180
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5.6.2 Target Duplicate - Column Level

S.No	Column Name	Concatenated Duplicates
1	ADDRESS	BMdCtYUwnZPBSLO
2	BIRTHDATE	2018-07-23 1951-03-26 1970-08-18 2019-05-23 1963-06-14 1999-04-23 1978-02-08 1969-06-16 1975-10-24 1970-05-29 1999-02-01 1981-03-25 1945-10-21 1967-05-31 1928-02-10 1960-10-16 1944-06-20 1982-05-17 1996-02-09 1993-08-26 2001-07-13 1995-12-01 2000-12-26 2020-11-19 1962-06-06 1974-03-26 2002-05-26 1993-04-09 1942-12-28 1968-06-15 1998-05-16 1951-11-16 2018-08-21 1932-04-20 1979-09-24 1951-05-31 1959-01-22 2023-11-30 2014-10-30 1987-05-29 1999-08-14 1976-10-06 2002-06-24 1983-06-16 1946-09-26 1992-10-30 1968-06-22 1971-05-12 2002-12-25 2004-12-29
3	BIRTHPLACE	iMfoNgqGOg
4	CITY	vyZdOaPDSC
5	COUNTY	VKAAvLZtXp

6	DEATHDATE	2053-08-22 2014-09-26 2056-06-14 2095-12-18 2064-11-16 1970-11-04 2062-03-21 1997-12-11 2036-03-06 2053-08-07 1984-07-16 1954-09-19 2003-11-26 2039-09-17 1982-05-17 1970-08-18 2002-06-24 2079-07-19 1974-03-26 1993-09-26 2021-10-06 2070-01-14 2019-05-23 2059-03-27 2010-10-04 2042-11-22 2096-08-29 1992-10-30 2067-09-23 2072-02-09 2025-10-19 2075-08-13 1963-06-14 2094-11-21 1949-09-28 2062-05-19 1992-07-20 2027-04-26 2051-01-06 1992-07-10 2046-08-04 1980-06-01 1982-07-02 1969-01-04 2040-01-25 1939-10-26 1976-09-16 1998-06-16 2113-06-27 2034-12-13
7	DRIVERS	eraEkPDvck
8	ETHNICITY	Hispanic
9	FIRST	ndHrDn
10	GENDER	M
11	HEALTHCARE_COVERAGE	2474.0137 3567.183 6317.8984 4480.7305 8614.98 2561.5264 5836.6597 5634.6875 9403.682 6579.8086 326.58804 5382.731 4395.5317 8103.9736 3937.457 9732.6045 3871.5342 9414.272 8124.8477 9128.082 7763.2266 4814.4116 6690.552 2427.2183 6295.9824 2983.1692 7667.961 9722.081 5799.533 9485.78 6125.6865 5531.631 9357.568 9487.409 7938.6123 3452.9011 9819.801 5619.5195 6717.0986 5357.607 5562.4595 7565.6084 8789.097 8128.0254 3533.517 6574.1963 9485.636 6700.2944 5320.6626 5386.64

12	HEALTHCARE_EXPENSES	95013.45 32222.83 14466.469 34128.61 68588.27 86192.71 43714.348 67536.836 78089.6 7 70958.86 20530.947 91902. 664 93382.33 31533.332 9619 1.85 37963.203 56353.266 71 495.914 85414.4 72177.73 34 515.457 93050.445 87345.52 38369.344 58941.316 57926.1 8 35116.414 39037.902 82156 .34 62426.754 66294.9 73145. 164 61130.734 80452.81 2065 0.674 74520.55 67912.57 841 57.85 1582.317 17074.242 91 268.87 88046.35 80725.92 31 868.695 36309.09 76233.28 2 1652.906 99941.43 34357.32 68158.44
13	LAST	mhsJsvKd
14	LAT	-74.70412 71.5954 75.41035 5 4.721607 -69.82209 50.99160 4 -64.1288 83.44563 69.37636 76.55224 -88.53318 83.00242 6 70.787575 -50.59904 13.430 673 4.138988 -81.17896 -58.8 8424 -44.67755 -72.79852 -60 .56479 84.3939 35.27558 58.0 44094 77.10943 -72.73924 53. 767693 -45.15139 -0.2380143 7 -38.39519 -80.70019 -49.87 7335 -44.30844 84.73449 34.1 6441 33.058727 74.65897 82. 029526 -64.54246 48.398014 -54.38825 82.45856 71.69435 60.11278 -42.451603 33.9020 5 -60.238453 72.163345 -60.7 62955 79.98901

15	LON	113.871796 -117.64139 -102.414375 102.79169 178.24393 178.47488 -151.10045 149.3523 -108.656586 144.615 64.94117 -89.81952 123.70778 -171.18729 102.672905 152.1052 -100.27339 136.1528 -119.4149 -120.32284 161.45494 158.1419 -34.197285 141.39594 -28.148561 61.63229 -162.31732 179.30101 -159.34056 -33.973995 -115.592705 140.2198 -134.80898 41.459896 -173.80637 -94.8628 -122.90948 139.86774 -54.19919 141.87698 -160.70322 160.2135 131.59807 12.786461 138.78894 114.22291 148.1986 137.71735 140.40196 120.74833
16	MAIDEN	dhuqqoeC
17	MARITAL	Divorced
18	PASSPORT	uFHdivQyy
19	PREFIX	Ms.
20	RACE	Asian
21	SSN	266-70-6856
22	STATE	NY
23	SUFFIX	III
24	ZIP	88546
25	id	27 63 303 389 474 754 964 51 65 379 418 541 558 192 234 243 440 14 279 860 346 415 608 636 846 446 598 941 957 385 736 982 17 135 292 738 809 932 59 77 542 453 463 493 939 15 165 188 878 180

5.7. KPI (7) - Row Level Duplicate Check

No of duplicate rows in source :1000
 No of duplicate rows in target :1000
 KPI Status :Failed
 Reason :One or more rows are duplicated

5.8 Primary Key Duplicate Check

Source Row Count :1001000
 Target Row Count :1001000
 KPI Status :Passed
 Reason :Source and Target row count is matching

5.8.1 Primary Key Duplicate Check - Source

S.No	id	count
1	27	2
2	63	2
3	303	2

4	389	2
5	474	2
6	754	2
7	964	2
8	51	2

5.8.2 Primary Key Duplicate Check - Target

S.No	id	count
1	27	2
2	63	2
3	303	2
4	389	2
5	474	2
6	754	2
7	964	2
8	51	2

5.9. KPI (9) - CheckSum Row Level

KPI Status:Failed

Reason:Data is not matching between source and target

5.9.1 Addition Rows in Source

S.No	hashval
1	0220751618574bf3bfcf495b633aa9cb
2	029d99347cdae3900473637cdfa37d8b
3	0c72e1ecff51fe83051d9a796faa1064
4	0ea71e926316da934cc6819d694aca93
5	128fa3c130b9bdcf2202cf13184c41d4
6	158479ce1377e81e11d472ad03054532
7	1701d81614415691269ad7fad5078f71
8	1dd798b65bcd9f8e24c3f761a255e773

5.9.2 Addition Rows in Target

S.No	hashval
1	0eb9776ede72734c20e921c051097b39
2	14eeac6c522417bc9aae184fad623bf3
3	17d888c5d0075c2282eee0a389f45e48
4	1f74d2756a97f6b7cd14a9d75debffaf
5	1fa8fc575bf1e75ee81120815f6c2dc4
6	2ad15535510d79645e9d89332a1a6b1c
7	2c014e21bc959a29a66c2466602d7f1f
8	316d98f1083d0349edc4c11338cc066b