

DAMG 7370 - Designing Advanced Data Architecture for Business Intelligence - Mid-Term Project

FoodLicense Processing

TEAM NO :1

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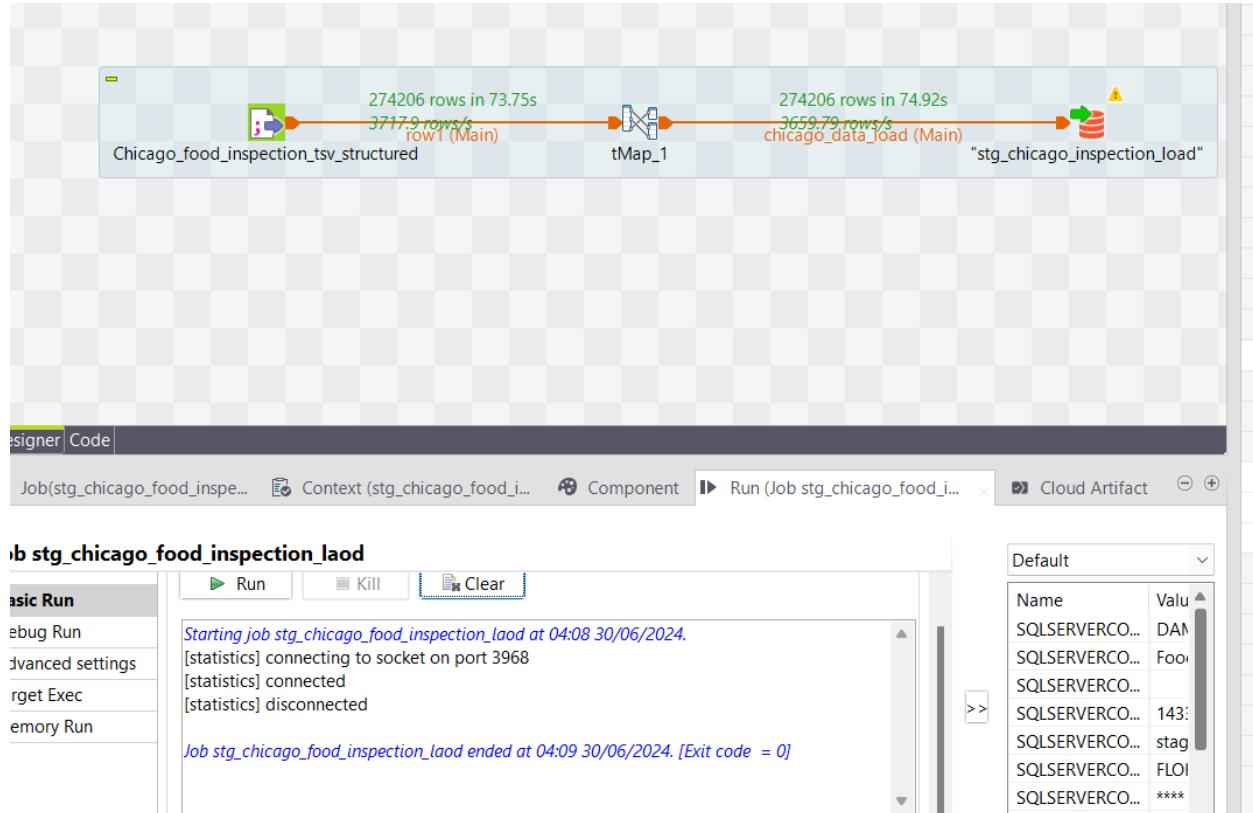
Part 1:

- 1) Downloaded the tsv files from the mentioned sites.

Note: For Project Purpose, we have created a separate database - **FoodInspection** in MSSQLSERVER

- 2) Loaded the data into the stage table

Chicago:



RunTIME: Completed in 75s

We also stored the data as how it comes in the source and formatted it into a date column to be loaded into the database.

SQLQuery1.sql - F...on (DAMG7370 (58)) * X

```
select * from stage.stg_chicago_inspection_load;
```

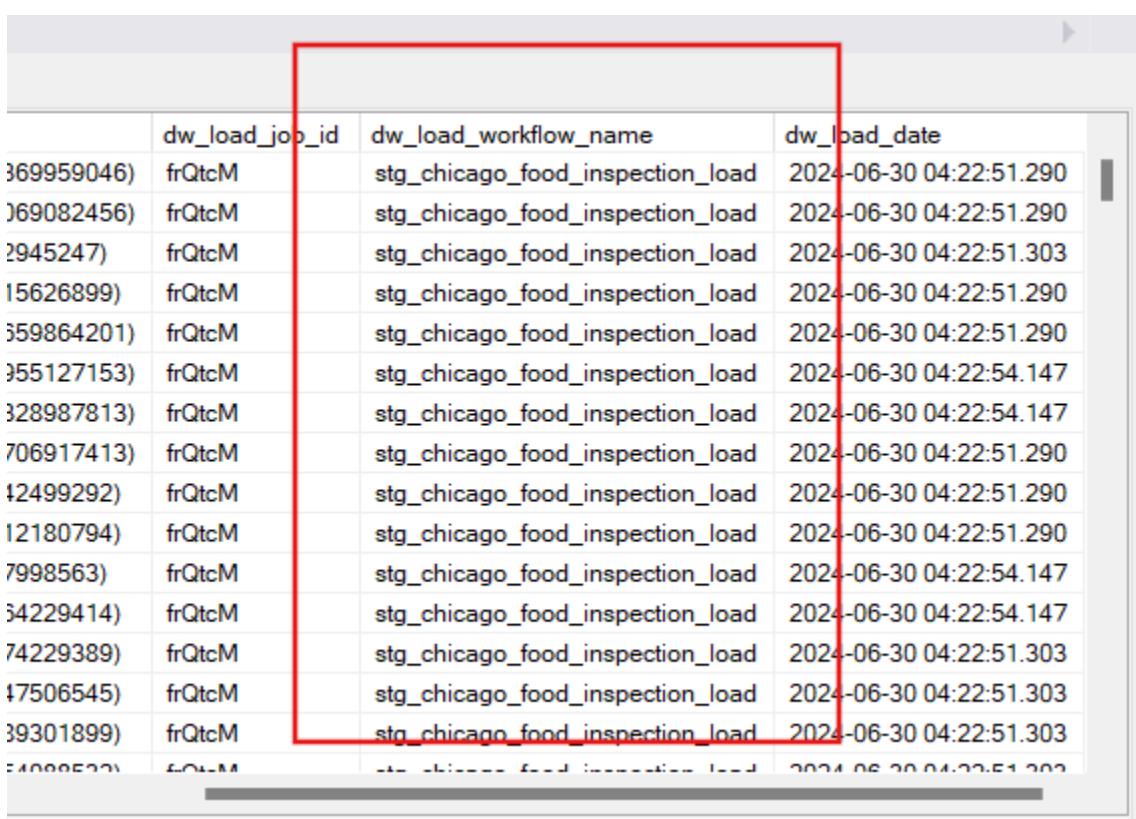
110 %

Results Messages

	InspectionID	DBAName	AKAName	LicenseNumber	FacilityType	Risk	Address
1	2592477	JEWEL FOOD STORE #3082	JEWEL FOOD STORE #3082	2627590	Grocery Store	Risk 1 (High)	6014 S COTTAGE GROVE /
2	2593532	CHICAGO DIPLOMAT CAFE	CHICAGO DIPLOMAT CAFE	2506760	Restaurant	Risk 1 (High)	3134 N LINCOLN AVE
3	2592218	Prescott Elementary	Prescott Elementary	25021	School	Risk 1 (High)	1632 W Wrightwood (2600!)
4	2592233	EL PRESIDENTE RESTAURANT	EL PRESIDENTE RESTAURANT	71168	Restaurant	Risk 1 (High)	2558 N ASHLAND AVE
5	2592328	RAZPACHOS	RAZPACHOS NEVERIA	2304548	Restaurant	Risk 1 (High)	5611 S PULASKI RD
6	2592329	BITTER POPS	BITTER POPS	2717894	Restaurant	Risk 1 (High)	3357-3361 N LINCOLN AVE
7	2590909	TOON'S BAR & GRILL	TOON'S BAR & GRILL	17186	Restaurant	Risk 1 (High)	3857 N SOUTHPORT AVE
8	2591561	HANNAH'S BRETZEL 161 N. CLARK LLC	HANNAH'S BRETZEL	2501751	Restaurant	Risk 1 (High)	161 N Clark ST BLDG
9	2592494	SWISSOTEL CHICAGO - HOTEL	EVENT KITCHEN	1447923	Restaurant	Risk 1 (High)	323 E WACKER DR
10	2594950	BEATRIX	BEATRIX	2234215	Restaurant	Risk 1 (High)	519 N CLARK ST
11	2594274	THE NOOK DAYCARE UNITED LLC	THE NOOK CHILDCARE AND PRESCHOOL	2653246	Children's Services Facility	Risk 1 (High)	2000-2006 W WARREN BL
12	2592876	PHO LOAN RESTAURANT	PHO LOAN RESTAURANT	2341008	Restaurant	Risk 1 (High)	1114 W ARGYLE ST
13	2594008	TINKER BELL ACADEMY II	TINKER BELL ACADEMY II	2797325	Daycare Above and Under 2 Years	Risk 1 (High)	8236-8238 S COTTAGE GR
14	2594964	NEW BEGINNINGS DAY CARE CENTER INC.	NEW BEGINNINGS DAY CARE CENTER	2215693	Children's Services Facility	Risk 1 (High)	5443 - 5451 W NORTH AVE
15	2595069	THE DRUNKEN BEAN	THE DRUNKEN BEAN	2535966	Restaurant	Risk 1 (High)	400 E SOUTH WATER ST
16	2594277	SEASIDE	SEASIDE	2651004	Restaurant	Risk 1 (High)	3044 W MARINE DR

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (58) | FoodInspection | 00:01:17 | 274,206 rows



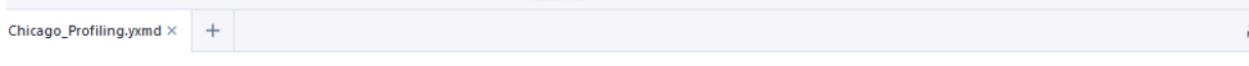
	dw_load_job_id	dw_load_workflow_name	dw_load_date
369959046)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.290
169082456)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.290
2945247)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.303
15626899)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.290
359864201)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.290
955127153)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:54.147
328987813)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:54.147
706917413)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.290
12499292)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.290
12180794)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.290
7998563)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:54.147
54229414)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:54.147
74229389)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.303
47506545)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.303
39301899)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.303
240005201)	frQtcM	stg_chicago_food_inspection_load	2024-06-30 04:22:51.203

InspectionDate_Str	InspectionDate	Inspectio
03/12/2024	2024-03-12 00:00:00.0000000	Complai
03/21/2024	2024-03-21 00:00:00.0000000	Non-Insp
05/08/2024	2024-05-08 00:00:00.0000000	Canvass
06/04/2024	2024-06-04 00:00:00.0000000	Canvass
05/17/2024	2024-05-17 00:00:00.0000000	License
01/12/2023	2023-01-12 00:00:00.0000000	Canvass
02/21/2023	2023-02-21 00:00:00.0000000	Canvass
04/25/2024	2024-04-25 00:00:00.0000000	Canvass
05/10/2024	2024-05-10 00:00:00.0000000	Complai
03/13/2024	2024-03-13 00:00:00.0000000	Canvass
01/27/2023	2023-01-27 00:00:00.0000000	Complai
03/30/2023	2023-03-30 00:00:00.0000000	Complai
04/01/2024	2024-04-01 00:00:00.0000000	Canvass
04/17/2024	2024-04-17 00:00:00.0000000	Short Fo
04/08/2024	2024-04-08 00:00:00.0000000	Canvass
12/06/2022	2022-12-06 00:00:00.0000000	Complai

Profiling:

YDATA:

ALTERYX:



Results - Workflow - Messages

All	0 Errors	0 Conv Errors	0 Warnings	4 Info	2 Files	Last Run
① Designer x64	Started running D:\NEU\DATA_BI\FoodLicenseProcessing\Chicago_Profiling.ymd at 06/30/2024 4:31:13					
① Designer x64	The Designer x64 reported: Running at a Low Priority.					
① Designer x64	The Designer x64 reported: Allocating requested memory would be more than available physical memory. Reverting to 734.9 MB of memory.					
① Designer x64	The Designer x64 reported: This is AMP Engine; running 8 worker threads; memory limit 734.9 MB.					
① Input Data (1)	Autodetected Code Page: UTF-8					
② Input Data (1)	274206 records were read from "D:\NEU\DATA_BI\FoodLicenseProcessing\Food_Inspections_20240623.tsv"					
③ Browse (3)	357 records					
④ Designer x64	Finished running Chicago_Profiling.ymd in 6.7 seconds using AMP engine					

YDATA:

Overview

Overview		Alerts 8	Reproduction
Dataset statistics			Variable types
Number of variables	17	Numeric	5
Number of observations	274206	Text	8
Missing cells	86149	Categorical	3
Missing cells (%)	1.8%	Date/Time	1
Duplicate rows	0		
Duplicate rows (%)	0.0%		
Total size in memory	460.3 MiB		
Average record size in memory	1.7 KiB		

Inferences:

Dataset Statistics

1. Number of Variables: 17

Numeric: 5

Five variables are numeric, which likely include continuous or discrete numbers.

Text: 8

Eight variables are text-based, which might include categorical data, comments, descriptions, etc.

Categorical: 3

Three variables are explicitly categorized, possibly as strings or integers representing categories.

Date/Time: 1

2. Number of Observations: 274206

3. Missing Cells: 86149 (1.8%)

4. Duplicate Rows: 0 (0.0%)

Have prepared a separate sheet for the column, datatype, and maximum length.

Some Key Insights:

- Each row in the dataset is uniquely identified by the Inspection ID, making it a natural key. This ensures that each record can be distinctly recognized and referenced.

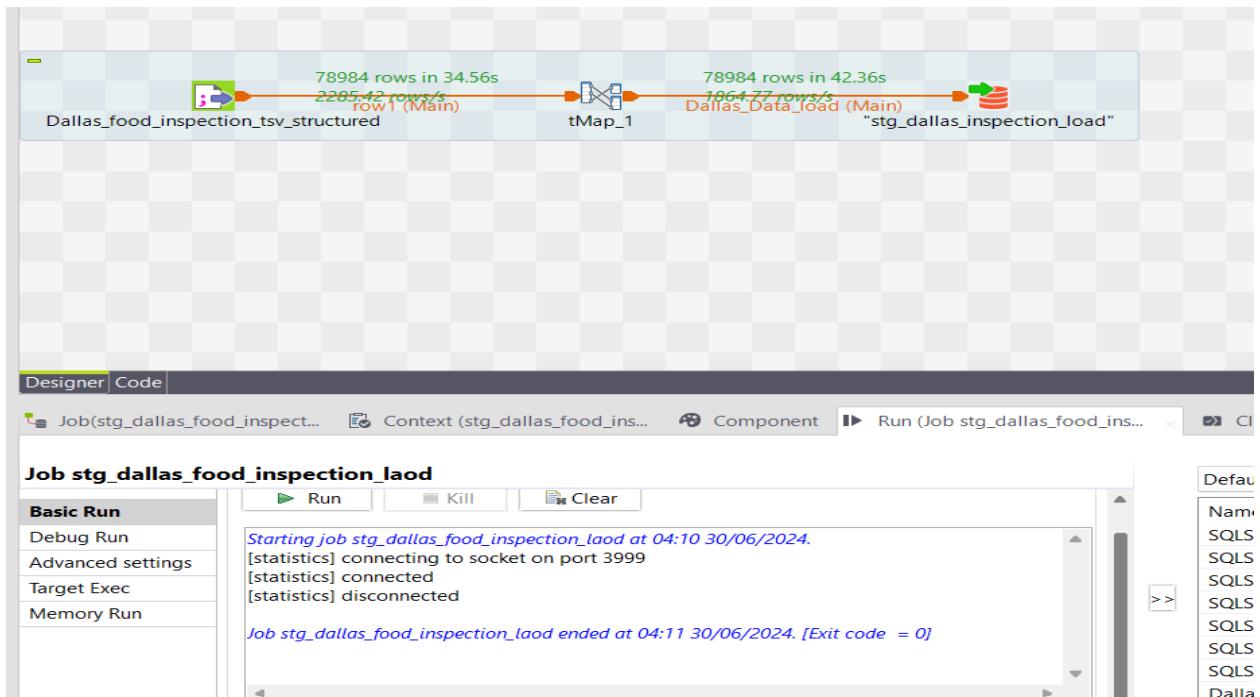
Inconsistent State Information:

- Despite being focused on Chicago, the dataset contains some entries with missing state information (NULL) and a few entries from other states. This inconsistency may be due to data entry errors or the inclusion of records from other locations.

Merged Violations Information:

- The Violations column combines multiple pieces of information into a single field, separated by the | symbol. This column includes the violation code, description, and comments, all merged into one, necessitating parsing for detailed analysis.

Dallas:



Run Time : Completed in 45s

SQLQuery1.sql - F...on (DAMG7370 (58)) * ▾ x

```
select * from stage.stg_dallas_inspection_load;
```

110 % ▾

Results Messages

	RestaurantName	InspectionType	InspectionDate_Str	InspectionDate	InspectionScore	StreetNumber	StreetName	StreetDirection	StreetTyp
1	SHELL EMPIRE	Routine	07/15/2020	2020-07-15	97	8390	STEMMONS	N	FRWY
2	SONIC DRIVE IN	Routine	09/06/2018	2018-09-06	95	2945	BUCKNER	N	BLVD
3	DICKEY'S BARBECUE PIT	Routine	04/04/2022	2022-04-04	87	2222	MEDICAL DISTRICT	DR	
4	WENDY'S #9780	Routine	09/13/2018	2018-09-13	80	1507	KIEST	E	BLVD
5	VERONA ITALIAN CAFE	Routine	12/07/2020	2020-12-07	100	9039	GARLAND	RD	
6	MALIBU	Routine	03/31/2021	2021-03-31	97	9115	RL THORNTON	E	FRWY
7	JACK IN THE BOX	Routine	02/01/2018	2018-02-01	73	404	ILLINOIS	W	AVE
8	GUCKENHEIMER SOUTH CAFETERIA (SATTELITE BREAK ROO...	Routine	10/17/2019	2019-10-17	92	12500	T I	BLVD	
9	SPIDER MURPHY'S	Routine	08/10/2022	2022-08-10	95	2810	HENDERSON	N	AVE
10	COMMISSARY @ 1217 MAIN (BASEMENT)	Routine	01/03/2018	2018-01-03	100	1217	MAIN	ST	
11	IRON CACTUS MEXICAN GRILL	Routine	09/06/2018	2018-09-06	100	1520	MAIN	ST	
12	HARMONY MIDDLE SCHOOL CAFETERIA	Routine	10/17/2019	2019-10-17	100	11995	FORESTGATE	DR	
13	IN-N-OUT BURGER #266	Routine	10/12/2020	2020-10-12	96	12909	MIDWAY	RD	
14	DAVIDS OAKCLIFF PIZZA	Routine	03/24/2018	2018-03-24	76	1315	DAVIS	W	ST
15	CICI'S PIZZA	Routine	12/14/2017	2017-12-14	85	655	ILLINOIS	W	AVE
16	THE POLLO GOURMET	Routine	02/22/2020	2020-02-22	99	5015	FOREST	IM	

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (58) | FoodInspection | 00:00:06 | 78,984 rows

Messages

Type	InspectionDate_Str	InspectionDate	In
	08/10/2022	2022-08-10	9
	01/03/2018	2018-01-03	1
	09/06/2018	2018-09-06	1
	10/17/2019	2019-10-17	1
	10/12/2020	2020-10-12	9
	03/24/2018	2018-03-24	7
	12/14/2017	2017-12-14	8
	03/23/2020	2020-03-23	9
	03/06/2022	2022-03-06	1
	07/07/2021	2021-07-07	1
	12/08/2020	2020-12-08	9
	07/29/2020	2020-07-29	8
	09/24/2020	2020-09-24	9
	11/01/2019	2019-11-01	1

Profiling:

Alteryx:

The screenshot shows an Alteryx workflow interface. At the top, there are two tabs: "Chicago_Profiling.ymd" and "*Dallas_Profiling.ymd". Below the tabs, a workflow is displayed with three main components connected by arrows: a blue book icon (Input Data), a green magnifying glass icon (Profile), and a green binoculars icon (Output). A tooltip for the first component reads: "Restaurant_and_Food_Establishment_Inspections_October_2016_to_January_2024_20240623.tsv". At the bottom, a results panel titled "Results - Input Data (2) - Messages" shows a summary: "All 0 Errors 0 Conv Errors 0 Warnings 0 Info 1 Files". It also displays a message: "Input Data (2) 78984 records were read from 'D:\NEU\DATA_BI\FoodLicenseProcessing\Restaurant_and_Food_Establishment_Inspections_October_2016_to_January_2024_20240623.tsv'".

Overview

Overview	Alerts 115	Reproduction	
Dataset statistics		Variable types	
Number of variables	114	Text	81
Number of observations	78984	Categorical	29
Missing cells	6500990	DateTime	2
Missing cells (%)	72.2%	Numeric	2
Duplicate rows	42		
Duplicate rows (%)	0.1%		
Total size in memory	478.6 MiB		
Average record size in memory	6.2 KiB		

Inferences:

Dataset Statistics

- Number of Variables: 114
- Number of Observations: 78,984
- Missing Cells: 6,500,990
- Missing Cells (%): 72.2%
- Duplicate Rows: 42

Variable Types

- Text: 81
- Categorical: 29
- DateTime: 2
- Numeric: 2

Key Insights:

- 1) The **violation columns** (e.g., Violation Description, Violation Points, Violation Detail, Violation Memo) have a high percentage of missing values, since its based on the violations committed for each case.
- 2) Unlike Chicago Dataset, there is no readily available Natural key available in this table. Hence should make use of the surrogate key.
- 3) **High Missing Data:** Significant missing values across multiple columns, especially violation-related fields.
- 4) **Absence of Natural Key:** No readily available unique identifier, suggesting the need for a composite or generated key.

- 5) **Derived Inspection Scores:** Inspection scores need to be calculated based on defined criteria.
- 6) **Missing Risk Column:** Risk needs to be derived from existing attributes.
- 7) **LatLonLocation:** LatLonLocation data needs to be split into separate latitude and longitude columns for effective spatial analysis.

Differences in Schemas:

1. Violation Data Structure

- **Chicago Dataset:** In the Chicago dataset, violations are consolidated into a single column. This simplifies the preprocessing as each violation record is already in a standardized format, making it easier to analyze.
- **Dallas Dataset:** The Dallas dataset, on the other hand, spreads violation information across multiple columns (e.g., Violation Description, Violation Points, Violation Detail, Violation Memo) for each violation instance. This requires additional preprocessing to merge these columns into a single, standardized format for analysis.

2. Presence of Critical Columns

- **Risk Column:** The Chicago dataset includes a risk column, providing readily available information on the risk level associated with each record. This is a crucial variable for analysis that cannot be directly derived from other columns in the Dallas dataset.
- **Inspection Scores and Other Metrics:** Chicago's dataset includes most of the necessary columns for analysis, reducing the need for extensive preprocessing. In contrast, Dallas's dataset lacks some key columns, requiring derived metrics like inspection scores based on available data.

Preprocessing Requirements

Given the differences in data structure and completeness, distinct preprocessing steps are needed for each dataset:

1. Handling Violations

- **Chicago Dataset:** Minimal preprocessing is required since violations are already merged. We can use these columns for analysis by splitting them by |.
- **Dallas Dataset:** Significant preprocessing is needed to handle violations:
 - **Consolidation:** Merge multiple violation-related columns into a single column or structure.

- **Imputation:** Handle missing values, particularly in violation columns with high percentages of null values.
- **Expansion:** Separate combined columns (like LatLonLocation) into individual latitude and longitude columns.

2. Addressing Missing Values

- **Chicago Dataset:** Fewer missing values, making it straightforward to handle with standard imputation techniques.
- **Dallas Dataset:** High percentage of missing values (72.2%) necessitates robust strategies:

3. Deriving Metrics

- **Chicago Dataset:** Ready-to-use metrics like risk and inspection scores simplify the analysis.
- **Dallas Dataset:** Analysts must derive critical metrics:
 - **Inspection Scores:** Develop a methodology to calculate scores based on available data.
 - **Risk Analysis:** Create a composite risk score using factors like violation severity and frequency.

4. Duplicate Rows:

Chicago Dataset: There are no duplicate rows in Chicago all of them are identify by InspecionId

Dallas Dataset: In Dallas we don't have Insepction Id Natural key and we have used a composite key to derive any values which is tedious one.

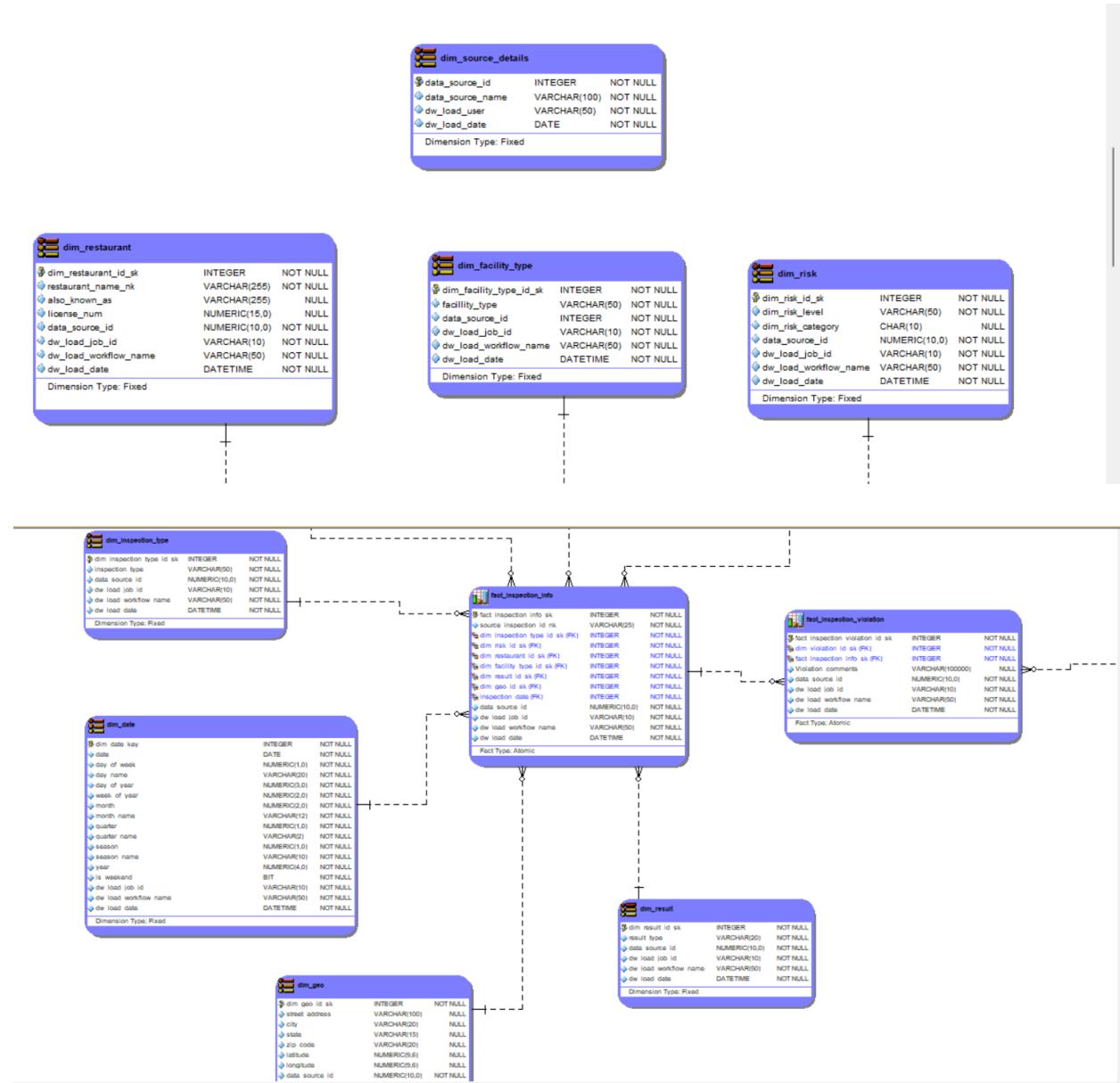
Conclusion

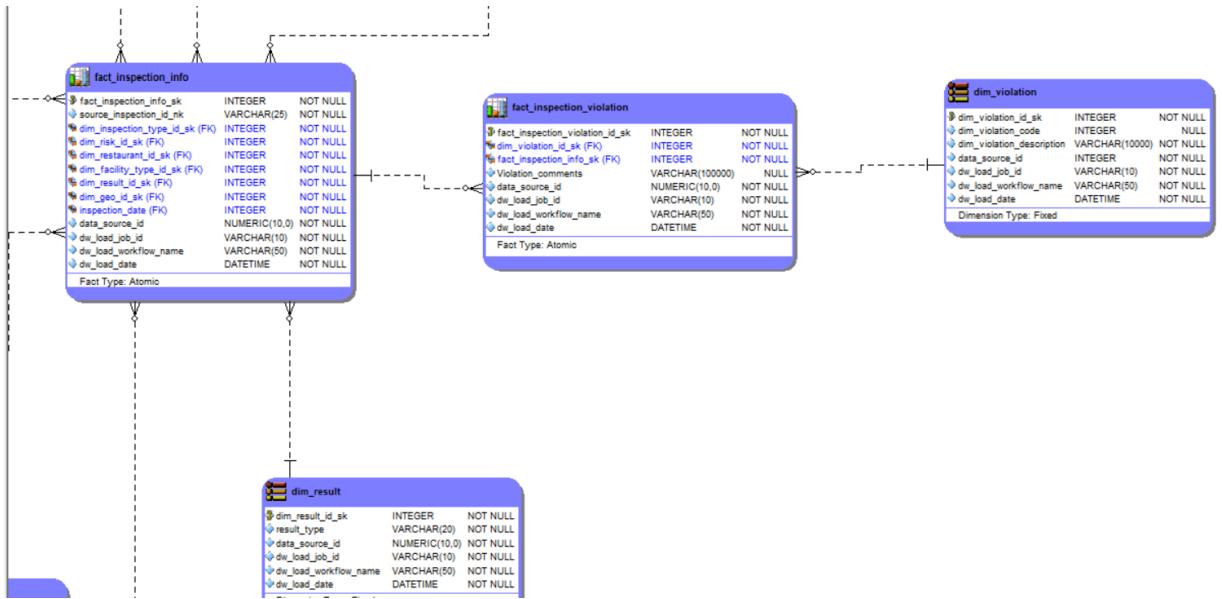
In summary, the Chicago dataset offers a more straightforward path to analysis with consolidated violation data and readily available metrics like risk and inspection scores. Conversely, the Dallas dataset requires extensive preprocessing, including merging violation columns, handling high levels of missing data, and deriving key metrics from available information. Despite these challenges, with careful preprocessing and imputation strategies, the Dallas dataset can be transformed to provide valuable insights for analysis.

By understanding and addressing these differences, we can ensure they apply the appropriate preprocessing techniques to each dataset, facilitating accurate and meaningful comparisons and analyses across these cities.

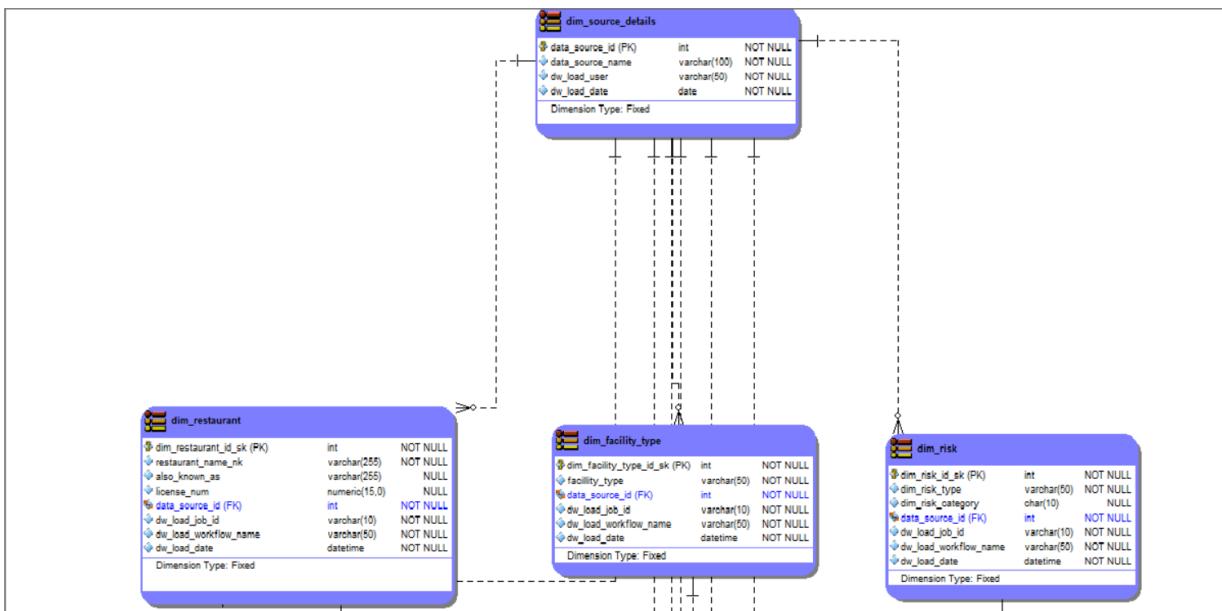
PART 2:

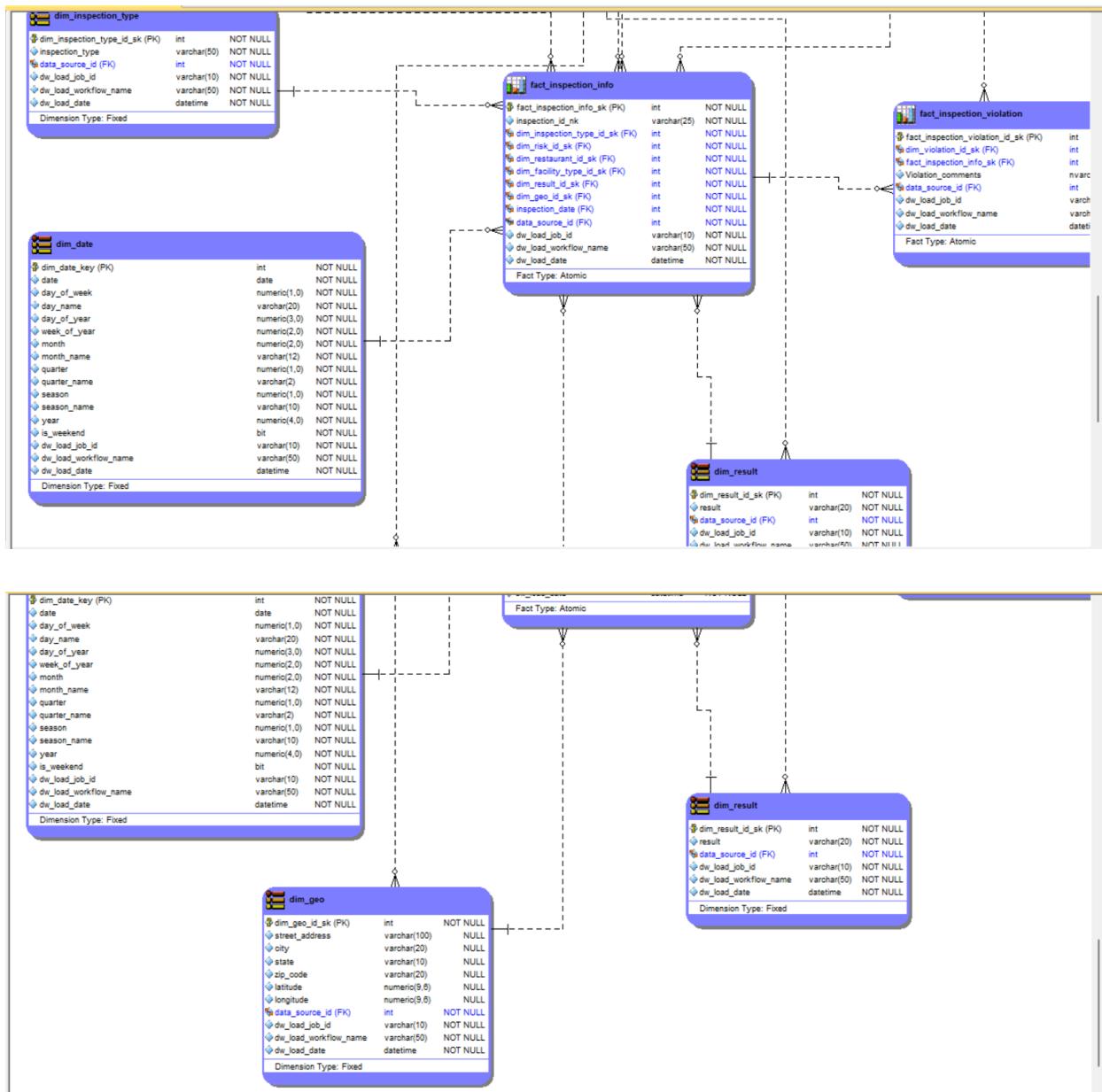
DATA MODEL

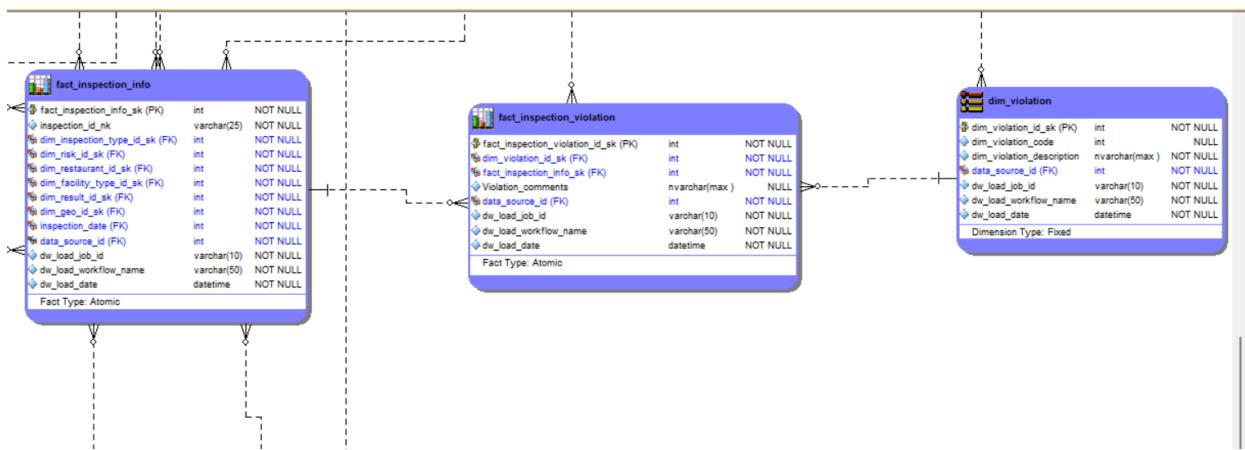




Physical Model:







CREATING TABLES THROUGH FORWARD ENGINEERING:

```

/*
 * ER/Studio Data Architect SQL Code Generation
 * Project : FoodInspection_Processing.DM1
 * Date Created : Sunday, June 30, 2024 07:59:16
 * Target DBMS : Microsoft SQL Server 2019
 */

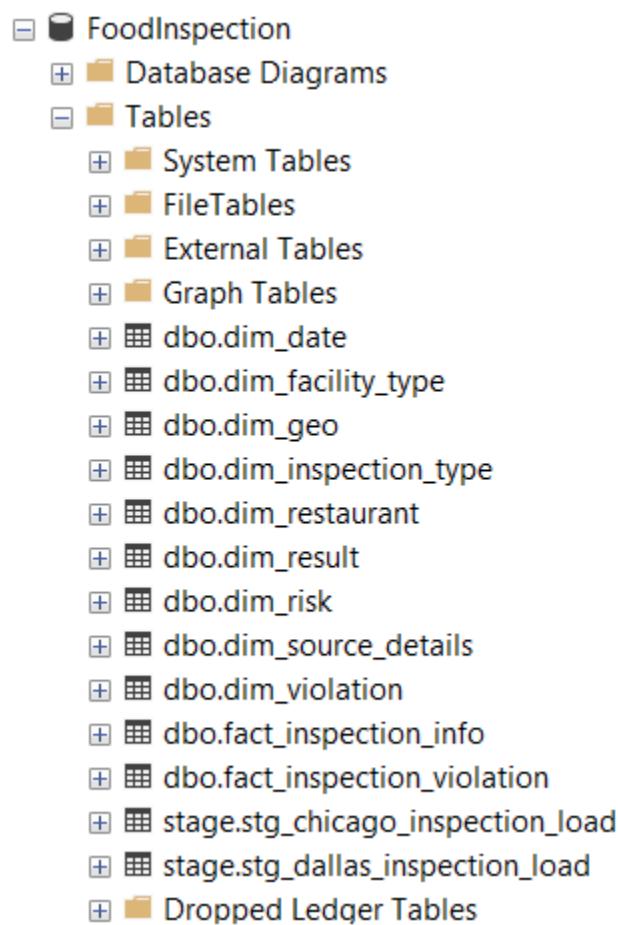
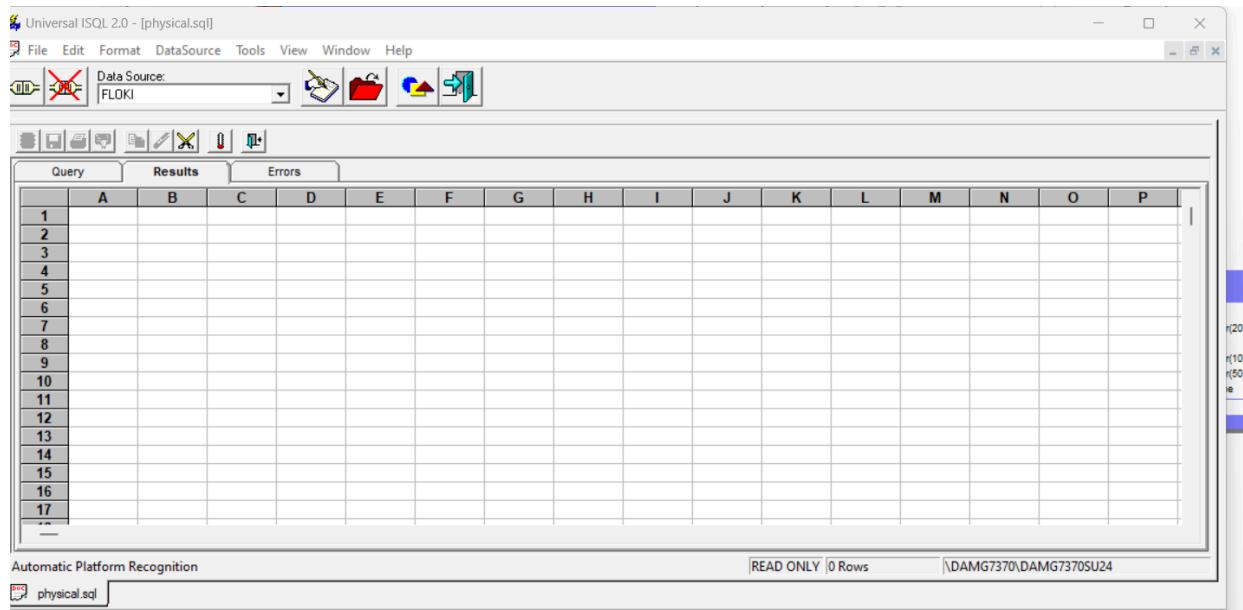
USE FoodInspection
go
/*
 * TABLE: dim_date
 */
CREATE TABLE dim_date(
    dim_date_key int NOT NULL,
    date date NOT NULL,
    day_of_week numeric(1, 0) NOT NULL,
    day_name varchar(20) NOT NULL,
    day_of_year numeric(3, 0) NOT NULL,
    week_of_year numeric(2, 0) NOT NULL,
    month numeric(2, 0) NOT NULL,
    month_name varchar(12) NOT NULL,
    quarter numeric(1, 0) NOT NULL,
    quarter_name varchar(2) NOT NULL
)

```

Automatic Platform Recognition READ ONLY | Ln 1, Col 1 \DAMG7370\damg7370SU24

physical.sql

Finished ...



DIM_SOURCE:



```
INSERT INTO dbo.dim_source_details values(1,'CHICAGO FOOD INSPECTION',SYSTEM_USER,GETDATE());
INSERT INTO dbo.dim_source_details values(2,'DALLAS FOOD INSPECTION',SYSTEM_USER,GETDATE());
```

10 % ▶ Messages

(1 row affected)

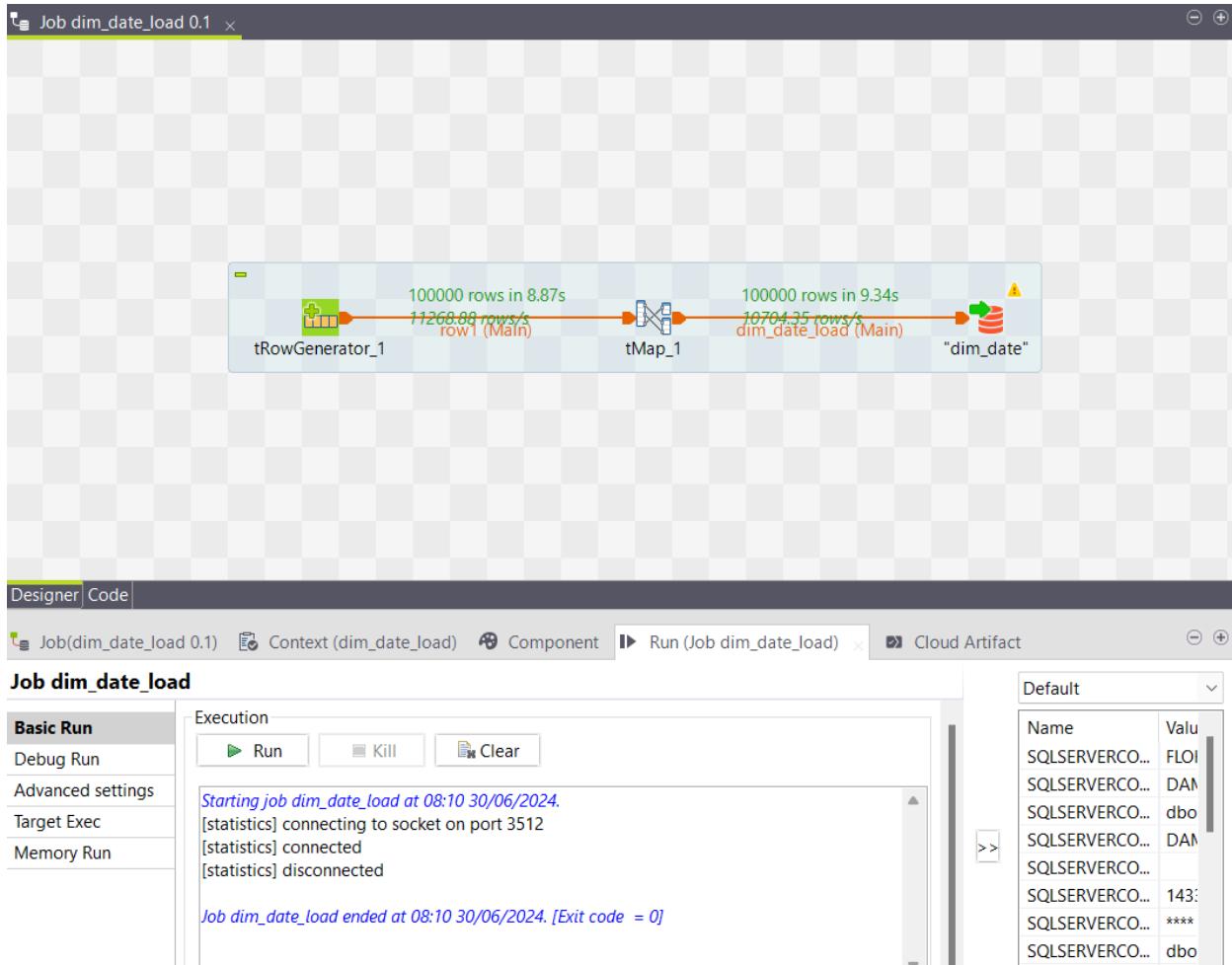
(1 row affected)

Completion time: 2024-06-30T08:01:57.8012622-04:00

We have attached the DDL script and Mapping Document separately

PART 3 - Loading DIM and FACT Tables:

Loading DIM DATE table:



SQLQuery1.sql - F...on (DAMG7370 (57)) * X

```
SELECT * FROM dim_date;
```

110 %

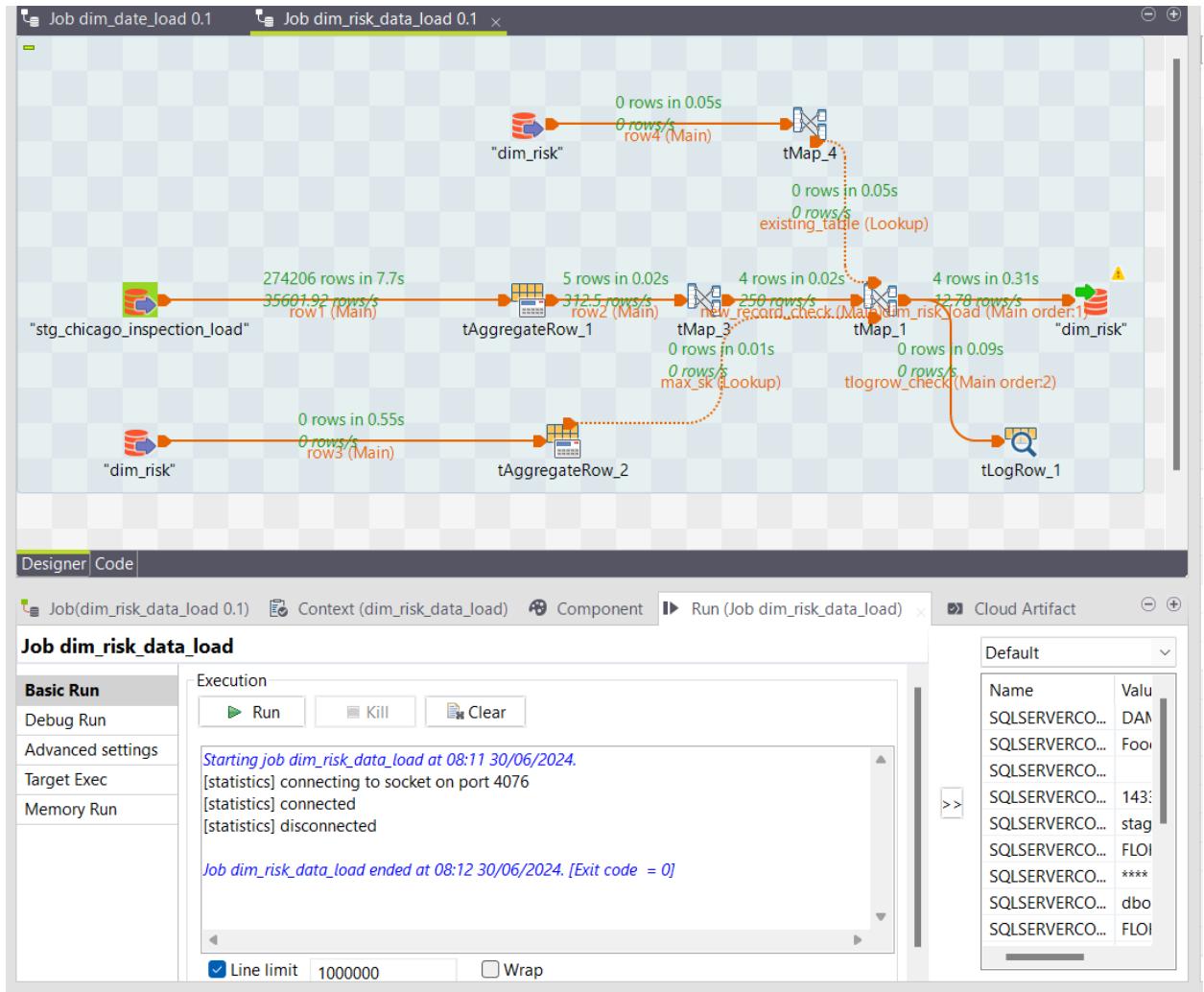
Results Messages

	dim_date_key	date	day_of_week	day_name	day_of_year	week_of_year	month	month_name	quarter	quarter_name	season	season_name	year	is_weekend	dw_load_job_i
1	20000102	2000-01-02	1	Sunday	2	2	1	January	1	Q1	1	Winter	2000	1	EcNW17
2	20000103	2000-01-03	2	Monday	3	2	1	January	1	Q1	1	Winter	2000	0	EcNW17
3	20000104	2000-01-04	3	Tuesday	4	2	1	January	1	Q1	1	Winter	2000	0	EcNW17
4	20000105	2000-01-05	4	Wednesday	5	2	1	January	1	Q1	1	Winter	2000	0	EcNW17
5	20000106	2000-01-06	5	Thursday	6	2	1	January	1	Q1	1	Winter	2000	0	EcNW17
6	20000107	2000-01-07	6	Friday	7	2	1	January	1	Q1	1	Winter	2000	0	EcNW17
7	20000108	2000-01-08	7	Saturday	8	2	1	January	1	Q1	1	Winter	2000	1	EcNW17
8	20000109	2000-01-09	1	Sunday	9	3	1	January	1	Q1	1	Winter	2000	1	EcNW17
9	20000110	2000-01-10	2	Monday	10	3	1	January	1	Q1	1	Winter	2000	0	EcNW17
10	20000111	2000-01-11	3	Tuesday	11	3	1	January	1	Q1	1	Winter	2000	0	EcNW17
11	20000112	2000-01-12	4	Wednesday	12	3	1	January	1	Q1	1	Winter	2000	0	EcNW17
12	20000113	2000-01-13	5	Thursday	13	3	1	January	1	Q1	1	Winter	2000	0	EcNW17
13	20000114	2000-01-14	6	Friday	14	3	1	January	1	Q1	1	Winter	2000	0	EcNW17
14	20000115	2000-01-15	7	Saturday	15	3	1	January	1	Q1	1	Winter	2000	1	EcNW17
15	20000116	2000-01-16	1	Sunday	16	4	1	January	1	Q1	1	Winter	2000	1	EcNW17
16	20000117	2000-01-17	2	Monday	17	4	1	January	1	Q1	1	Winter	2000	0	EcNW17

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:02 | 100,000 rows

DIM RISK:



A screenshot of a SQL Server Management Studio window titled "SQLQuery1.sql - F...on (DAMG7370 (57))". The query entered is "SELECT * FROM dim_risk;". The results grid shows four rows of data with the following columns: dim_risk_id_sk, dim_risk_type, dim_risk_category, data_source_id, dw_load_job_id, dw_load_workflow_name, and dw_load_date. The data is as follows:

	dim_risk_id_sk	dim_risk_type	dim_risk_category	data_source_id	dw_load_job_id	dw_load_workflow_name	dw_load_date
1	1	ALL	ALL	1	hk0GP	dim_risk_data_load	2024-06-30 08:12:04.390
2	2	RISK 1	HIGH	1	hk0GP	dim_risk_data_load	2024-06-30 08:12:04.407
3	3	RISK 2	MEDIUM	1	hk0GP	dim_risk_data_load	2024-06-30 08:12:04.407
4	4	RISK 3	LOW	1	hk0GP	dim_risk_data_load	2024-06-30 08:12:04.407

SQL:

```
SELECT DISTINCT Risk FROM stage.stg_chicago_inspection_load  
where Risk != '';
```

SQLQuery1.sql - F...on (DAMG7370 (57)) X X

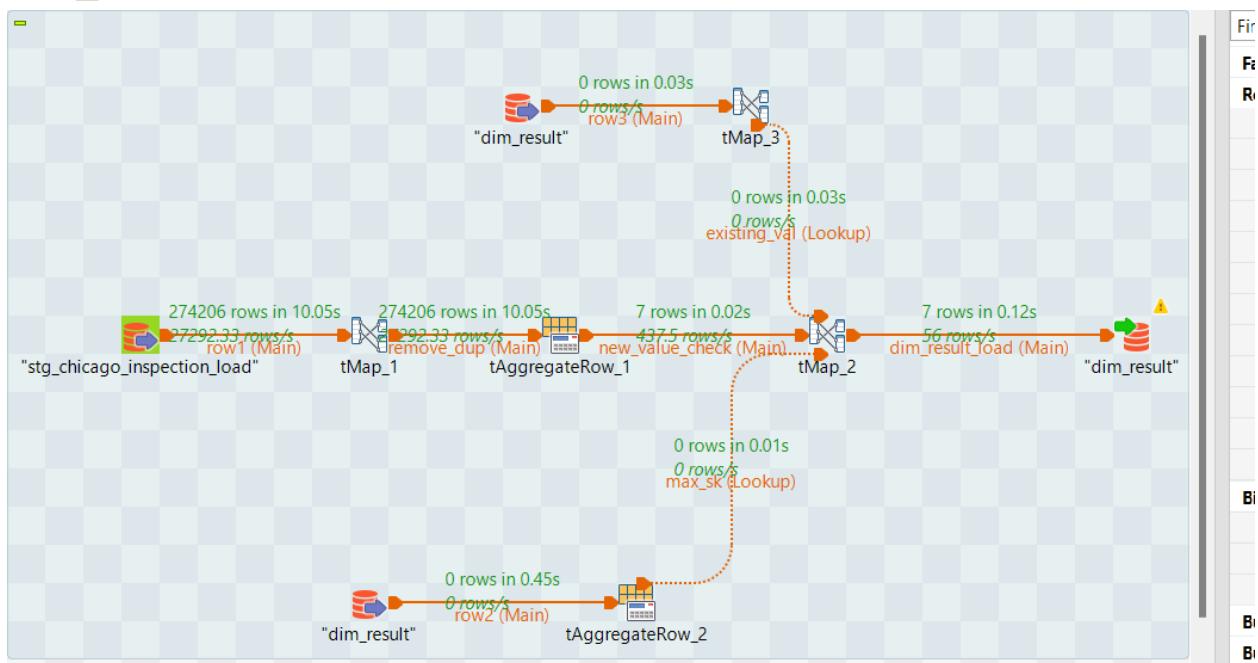
```
SELECT DISTINCT Risk FROM stage.stg_chicago_inspection_load
where Risk != ' ';
```

110 % ▾

Results Messages

	Risk
1	Risk 2 (Medium)
2	Risk 1 (High)
3	All
4	Risk 3 (Low)

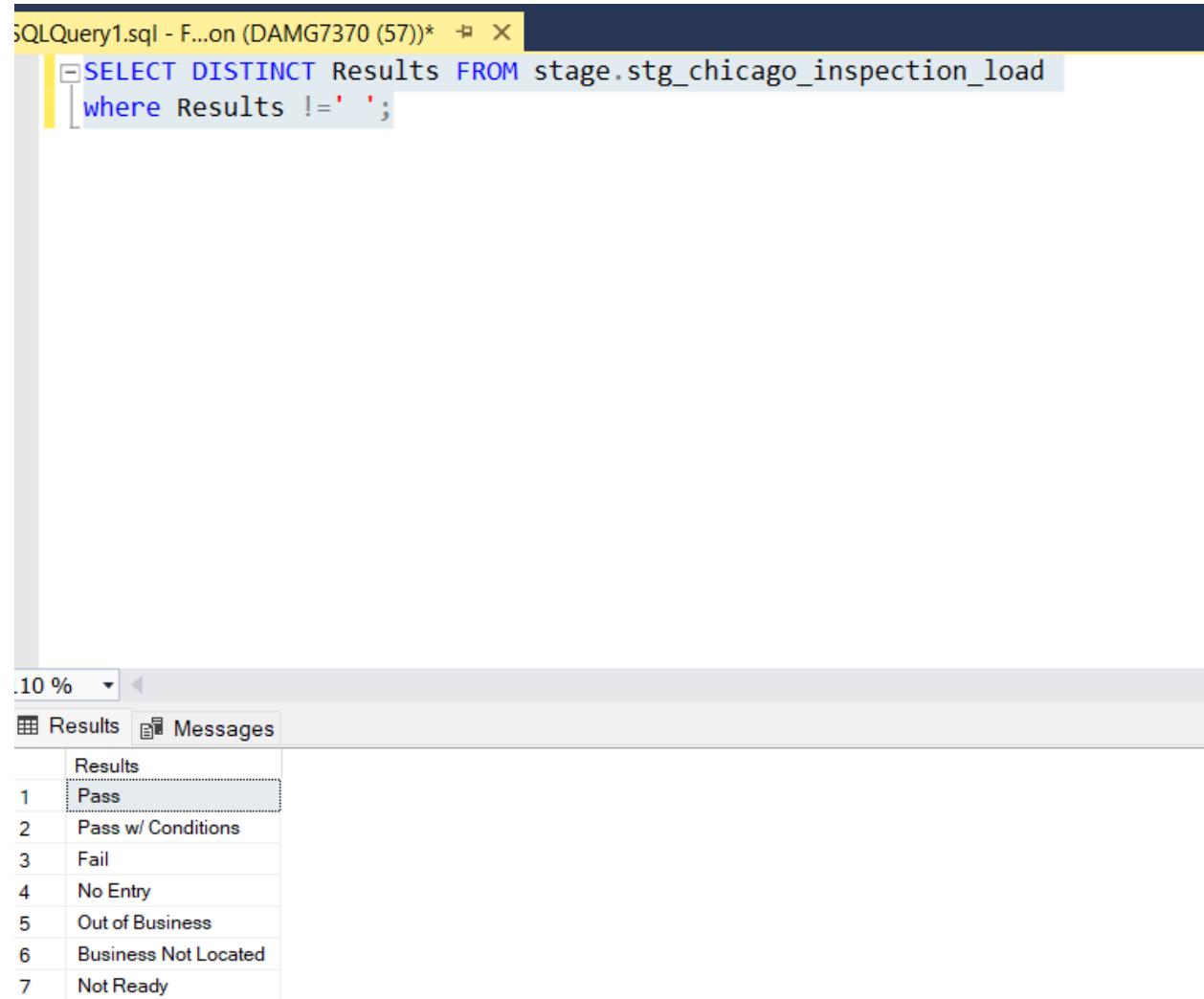
DIM_RESULT:



```
SELECT * FROM dbo.dim_result;
```

Results					
dim_result_id_sk	result	data_source_id	dw_load_job_id	dw_load_workflow_name	dw_load_date
1	NOT READY	1	wK6BbF	dim_result_load	2024-06-30 08:16:11.333
2	PASS	1	wK6BbF	dim_result_load	2024-06-30 08:16:11.333
3	NO ENTRY	1	wK6BbF	dim_result_load	2024-06-30 08:16:11.333
4	PASS W/ CONDITIONS	1	wK6BbF	dim_result_load	2024-06-30 08:16:11.333
5	OUT OF BUSINESS	1	wK6BbF	dim_result_load	2024-06-30 08:16:11.333
6	BUSINESS NOT LOCATED	1	wK6BbF	dim_result_load	2024-06-30 08:16:11.333
7	FAIL	1	wK6BbF	dim_result_load	2024-06-30 08:16:11.333

SQL:



The screenshot shows a SQL query window in SSMS. The query is:

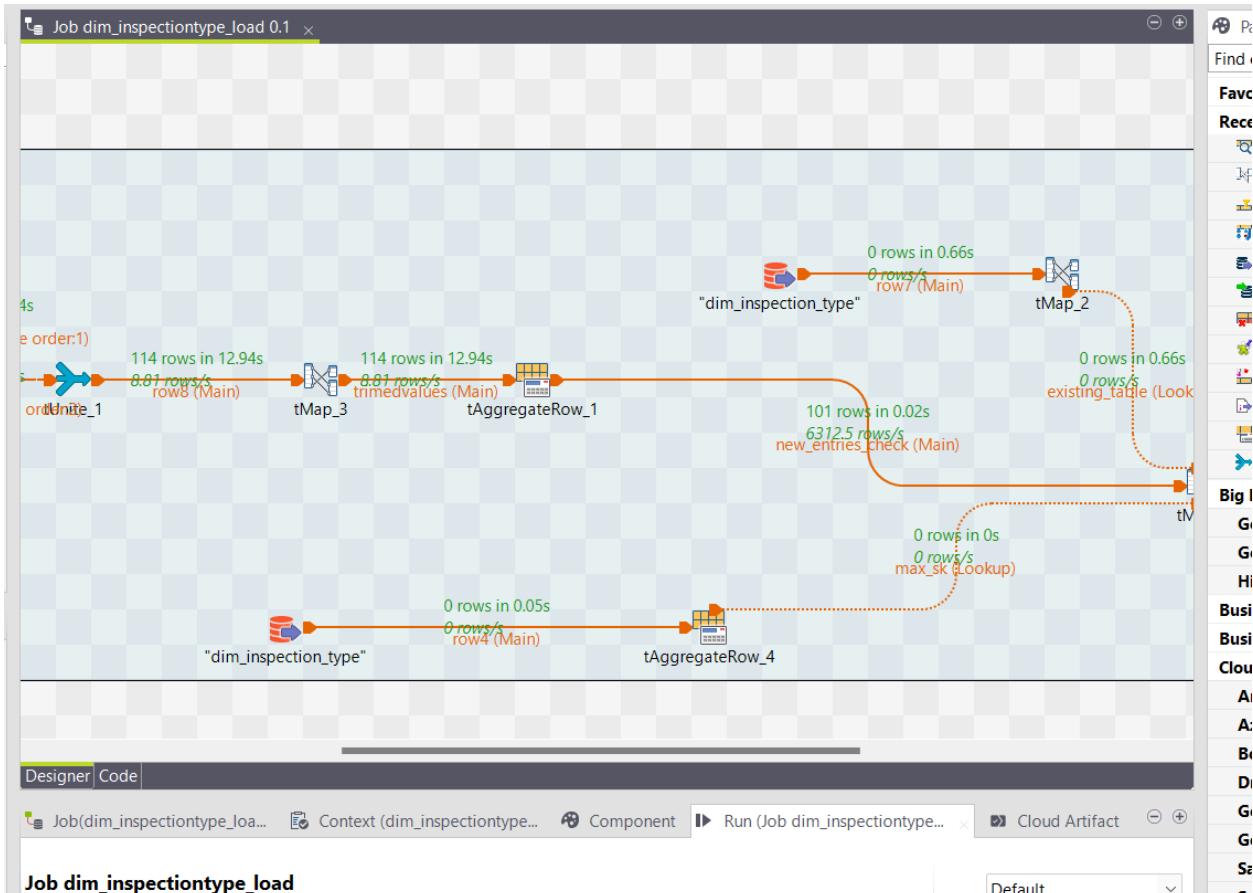
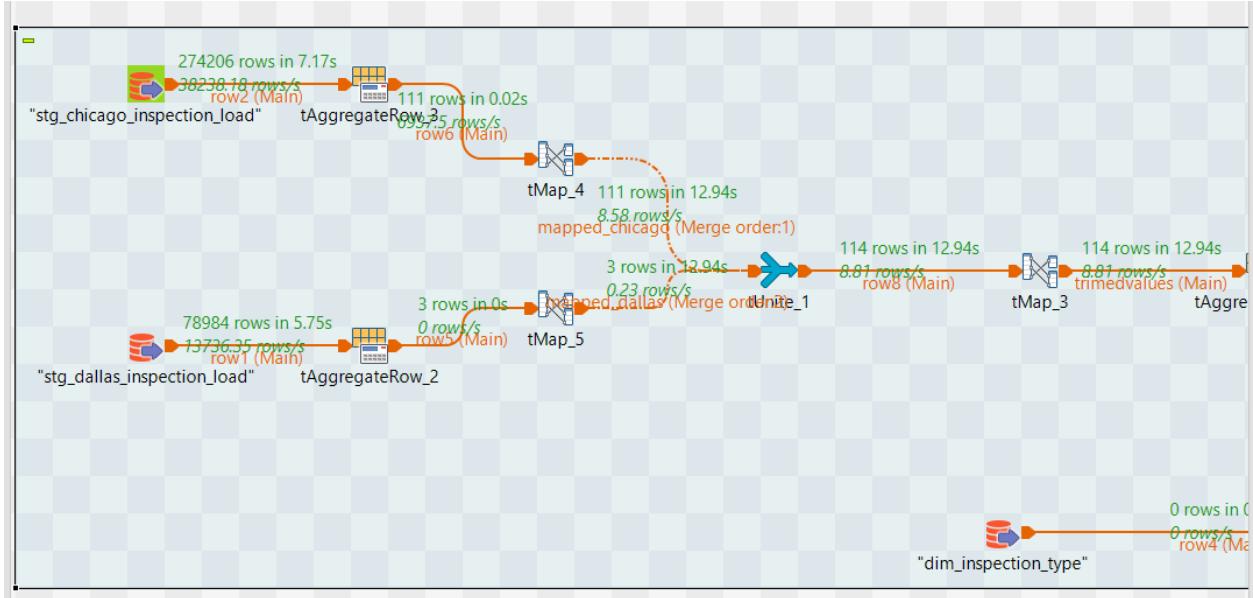
```
SELECT DISTINCT Results FROM stage.stg_chicago_inspection_load  
where Results !=' ';
```

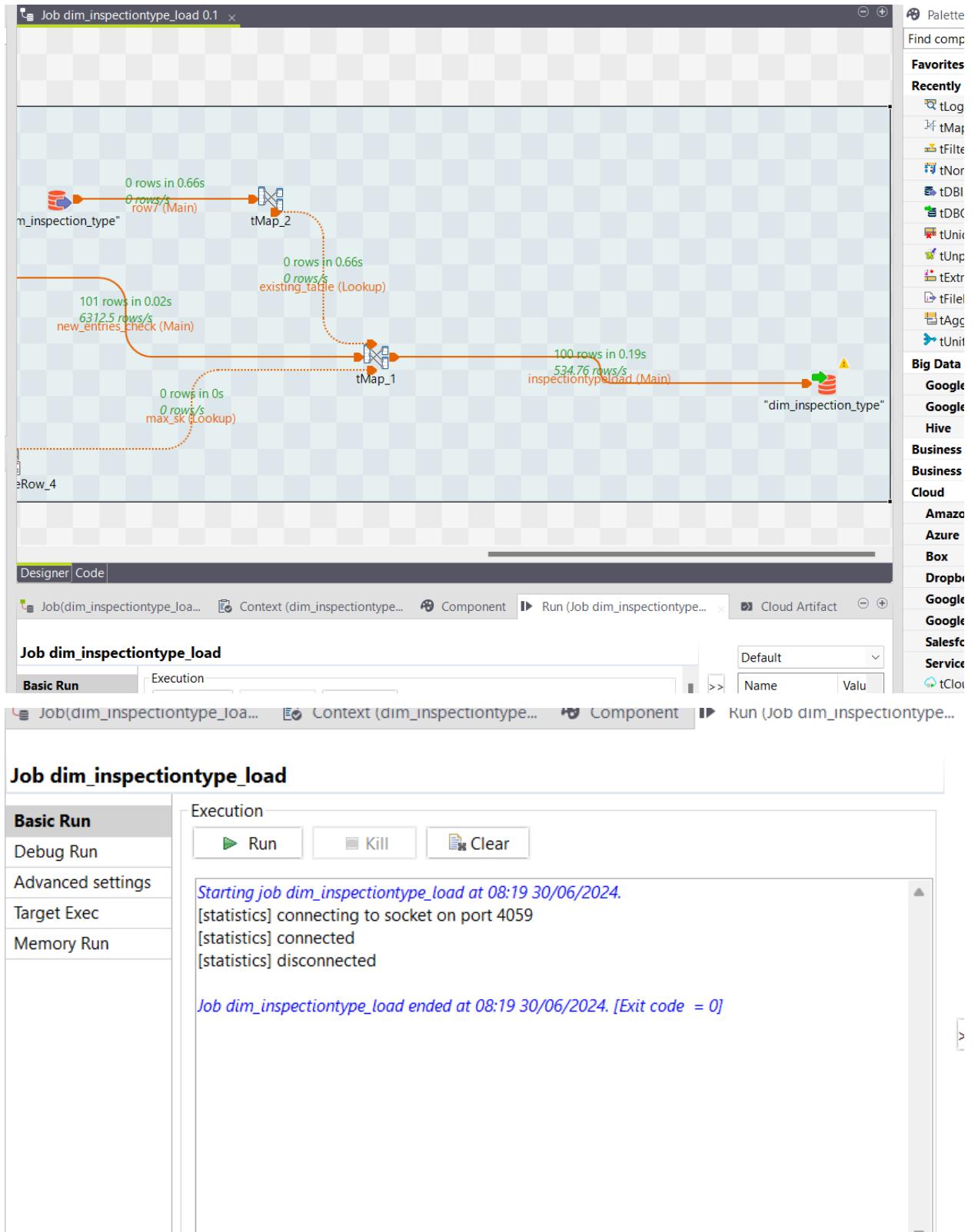
The results grid displays the following data:

	Results
1	Pass
2	Pass w/ Conditions
3	Fail
4	No Entry
5	Out of Business
6	Business Not Located
7	Not Ready

```
SELECT DISTINCT Results FROM  
stage.stg_chicago_inspection_load  
where Results !=' ';
```

Inspection Type:





```

SELECT * FROM dbo.dim_inspection_type;

```

110 % ▶

Results Messages

	dim_inspection_type_id_sk	inspection_type	data_source_id	dw_load_job_id	dw_load_workflow_name	dw_load_date
1	1	SFP/COMPLAINT	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.627
2	2	DAY CARE LICENSE RENEWAL	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
3	3	RECALL INSPECTION	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
4	4	LICENSE-TASK FORCE	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
5	5	TASK FORCE	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
6	6	SPECIAL TASK FORCE	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
7	7	REINSPECTION OF 48 HOUR NOTICE	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
8	8	SHORT FORM FIRE-COMPLAINT	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
9	9	SUMMER FEEDING	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
10	10	TASK FORCE LIQUOR CATERING	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
11	11	SAMPLE COLLECTION	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
12	12	SHORT FORM COMPLAINT	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
13	13	NON-INSPECTION	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
14	14	OUT OF BUSINESS	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
15	15	LICENSE DAYCARE 1586	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
16	16	PRE-LICENSE CONSULTATION	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643
17	17	CANVAS FOR PIR FEST	1	mwISsA	dim_inspectiontype_load	2024-06-30 08:19:48.643

Query executed successfully. | FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 100 rows

SQL:

```

SELECT DISTINCT *
FROM
(
    SELECT DISTINCT UPPER(TRIM(InspectionType)) AS InspectionType
    FROM stage.stg_chicago_inspection_load

    UNION ALL

    SELECT DISTINCT UPPER(TRIM(InspectionType)) AS InspectionType
    FROM stage.stg_dallas_inspection_load
) AS a
where a.InspectionType != '';

```

SQLQuery1.sql - F...on (DAMG7370 (57))*

```

SELECT DISTINCT *
FROM
(
    SELECT DISTINCT UPPER(TRIM(InspectionType)) AS InspectionType
    FROM stage.stg_chicago_inspection_load

    UNION ALL

    SELECT DISTINCT UPPER(TRIM(InspectionType)) AS InspectionType
    FROM stage.stg_dallas_inspection_load
) AS a
where a.InspectionType != ' ';

```

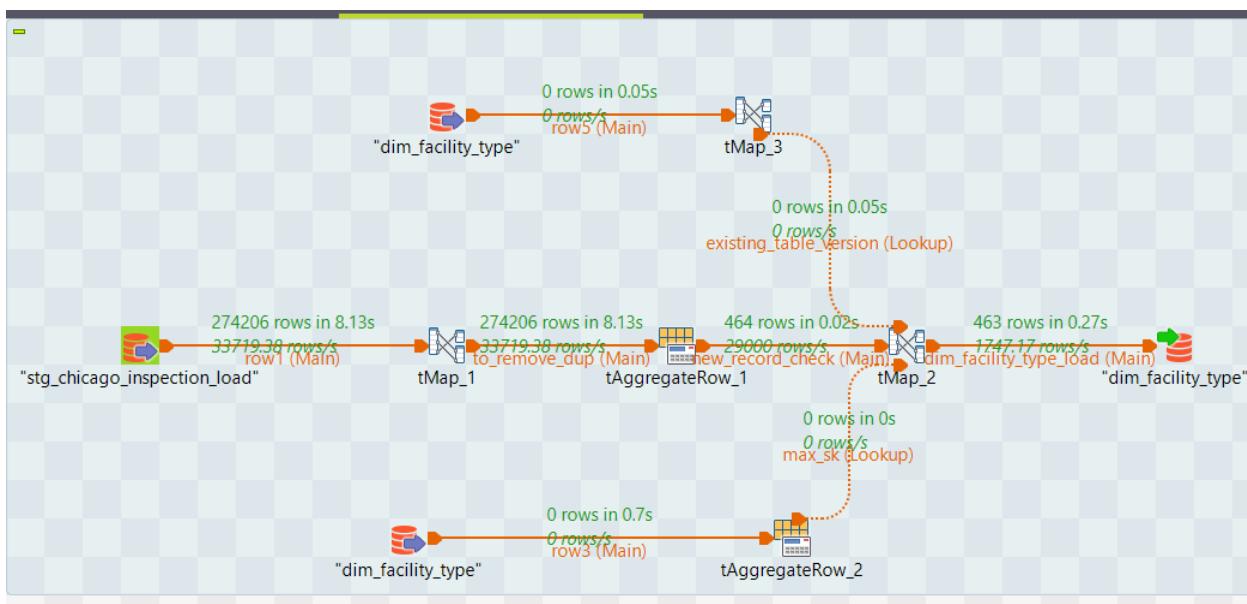
Results Messages

InspectionType
1315 LICENSE REINSPECTION
ADDENDUM
ASSESSMENT
BUSINESS NOT LOCATED
CANVAS
CANVASS
CANVASS FOR RIB FEST
CANVASS RE INSPECTION OF CLOSE UP
CANVASS RE-INSPECTION
CANVASS SCHOOL/SPECIAL EVENT
CANVASS SPECIAL EVENTS
CANVASS/SPECIAL EVENT
CHANGED COURT DATE
CITATION RE-ISSUED
CITF
CLOSE-UP/COMPLAINT REINSPECTION
COMPLAINT

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 100 rows

FACILITY TYPE:



```
SELECT * FROM dbo.dim_facility_type;
```

110 %

Results Messages

	dim_facility_type_id_sk	facility_type	data_source_id	dw_load_job_id	dw_load_workflow_name	dw_load_date
1	1	POPCORN CORN	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
2	2	CAT/LIQUOR	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
3	3	SMOOTHIE BAR	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
4	4	TEMPORARY KIOSK	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
5	5	BLOCKBUSTER VIDEO	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
6	6	BAR	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
7	7	NUTRITION STORE	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
8	8	HOOKA BAR	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
9	9	RESTAURANT	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
10	10	CITY OF CHICAGO COLLEGE	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
11	11	POOL	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
12	12	PANTRY	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
13	13	LONG-TERM CARE FACILITY	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
14	14	CULINARY ARTS SCHOOL	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
15	15	HOT DOG STATION	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
16	16	DAYCARE ABOVE AND UNDER 2 YEARS	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800
17	17	CULINARY CLASS ROOMS	1	85n0jB	dim_facility_type_load	2024-06-30 08:23:16.800

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 463 rows

SQL:

```
SELECT distinct UPPER(TRIM(FacilityType)) from
stage.stg_chicago_inspection_load
where FacilityType = '';
```

SQLQuery1.sql - F...on (DAMG7370 (57))* X

```
SELECT distinct UPPER(TRIM(FacilityType)) from stage.stg_chicago_inspection_load
where FacilityType is not null and FacilityType != ' ';
```

110 %

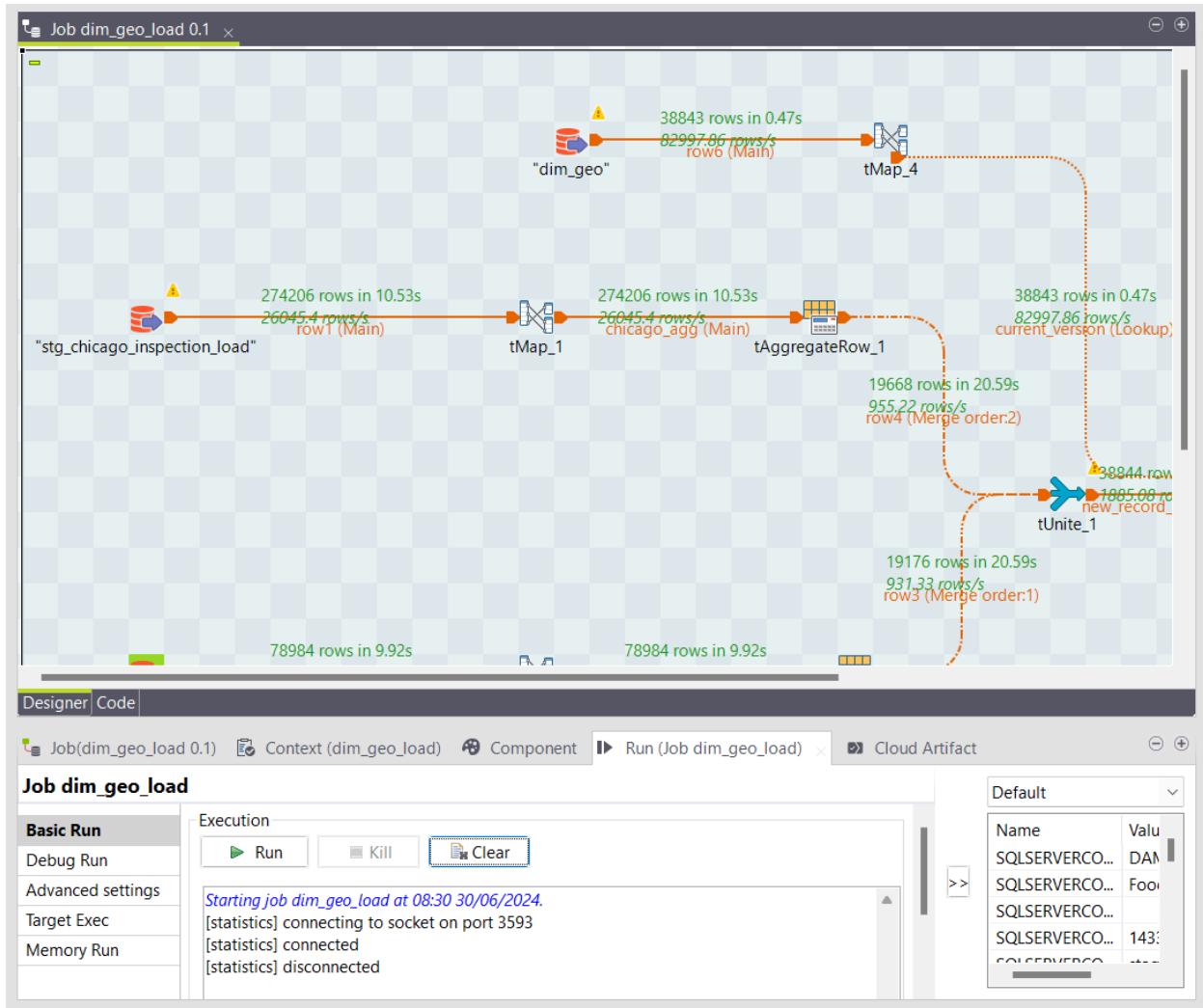
Results Messages

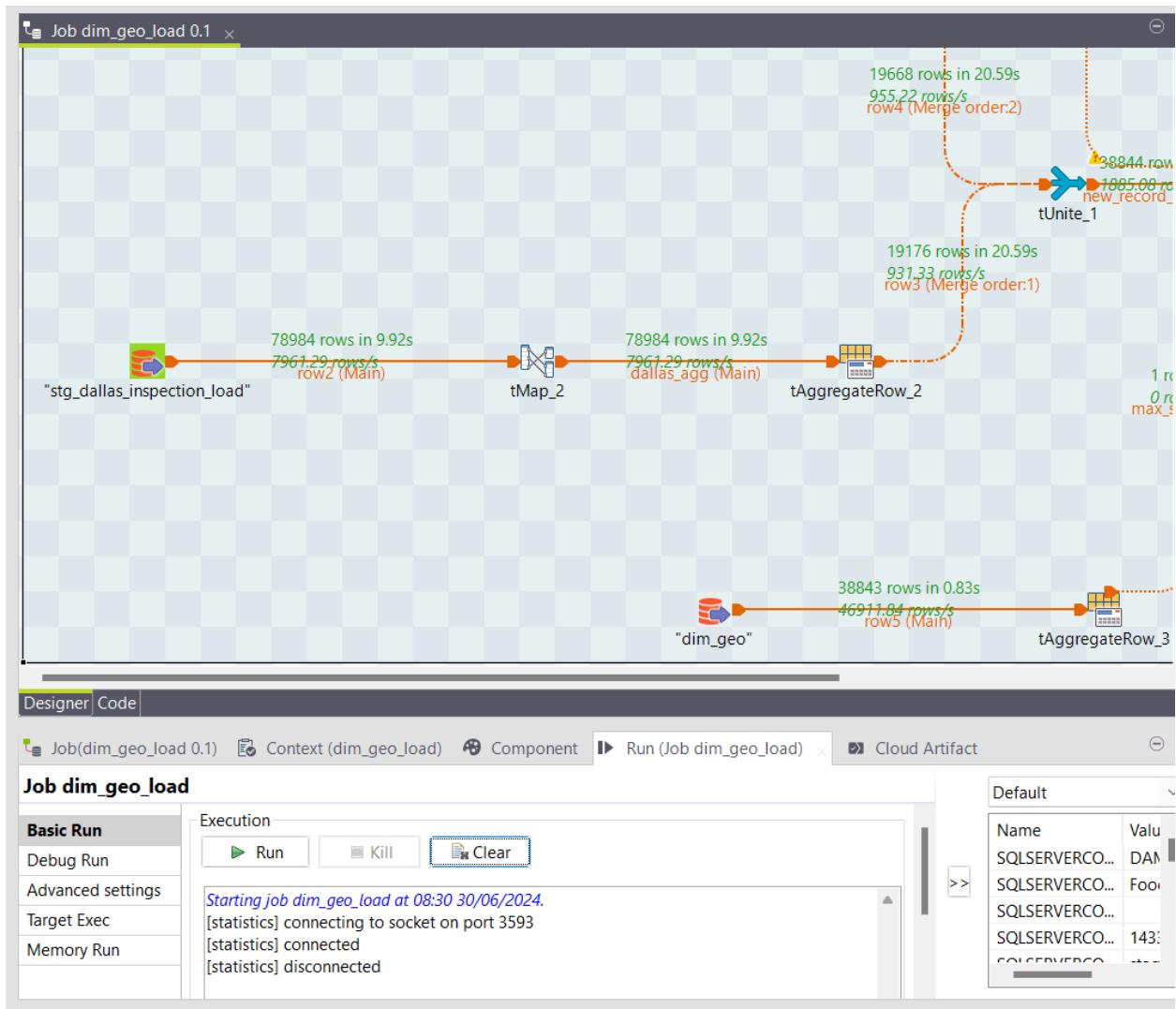
	(No column name)
1	SPECIAL EVENT
2	CAFETERIA
3	LIQUOR/GROCERY STORE/BAR
4	TEACHING SCHOOL
5	DAYCARE 2-6, UNDER 6
6	DINING HALL
7	CONVENIENCE
8	JUICE BAR
9	CULINARY SCHOOL
10	FROZEN DESSERTS DISPENSER-NON-MOTORIZED
11	15 MONTS TO 5 YEARS OLD
12	A-NOT-FOR-PROFIT CHEF TRAINING PROGRAM
13	CHILDERN'S SERVICES FACILITY
14	ROOF TOP
15	PRE PACKAGED
16	SPA
17	WEIGHT LOSS PROGRAM

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:01 | 463 rows

DIM_GEO:





SQLQuery1.sql - F...on (DAMG7370 (57)* X

```
SELECT
    DISTINCT
    UPPER(ADDRESS),
    UPPER(CITY),
    UPPER(STATE),
    UPPER(ZIP),
    Latitude,
    Longitude
FROM stage.stg_chicago_inspection_load;
```

110 % ▾

Results Messages

	(No column name)	(No column name)	(No column name)	(No column name)	Latitude	Longitude
1	7013-23 S WESTERN AVE	CHICAGO	IL	60636	41.766090	-87.683136
2	11001 S DOTY AVE	CHICAGO	IL	60628	41.694750	-87.596184
3	1139 W BRYN MAWR AVE	CHICAGO	IL	60660	41.983521	-87.659637
4	5652 W DIVISION ST	CHICAGO	IL	60651	41.902222	-87.767769
5	2937 W ARMITAGE AVE	CHICAGO	IL	60647	41.917347	-87.700752
6	3113-3115 N CENTRAL AVE	CHICAGO	IL	60634	41.937187	-87.766304
7	3056 N LINCOLN AVE	CHICAGO	IL	60657	41.937271	-87.665527
8	16 W ADAMS ST	CHICAGO	IL	60603	41.879562	-87.628342
9	33 W MONROE ST	CHICAGO	IL	60603	41.880615	-87.629051
10	1938 W LAWRENCE AVE	CHICAGO	IL	60640	41.968887	-87.677628
11	2909 W DEVON AVE	CHICAGO	IL	60659	41.997398	-87.702469
12	345 E SUPERIOR ST	CHICAGO	IL	60611	41.895718	-87.618729
13	5020 S CORNELL	CHICAGO	IL	60615	41.803696	-87.586617
14	5137 W DIVERSEY AVE	CHICAGO	IL	60639	41.931305	-87.755455
15	2111 W DIVISION ST	CHICAGO	IL	60622	41.903030	-87.680199
16	749 W 31ST ST	CHICAGO	IL	60616	41.837940	-87.645798
17	1004 MURKIN AVE	CHICAGO	IL	60640	41.866520	-87.665070

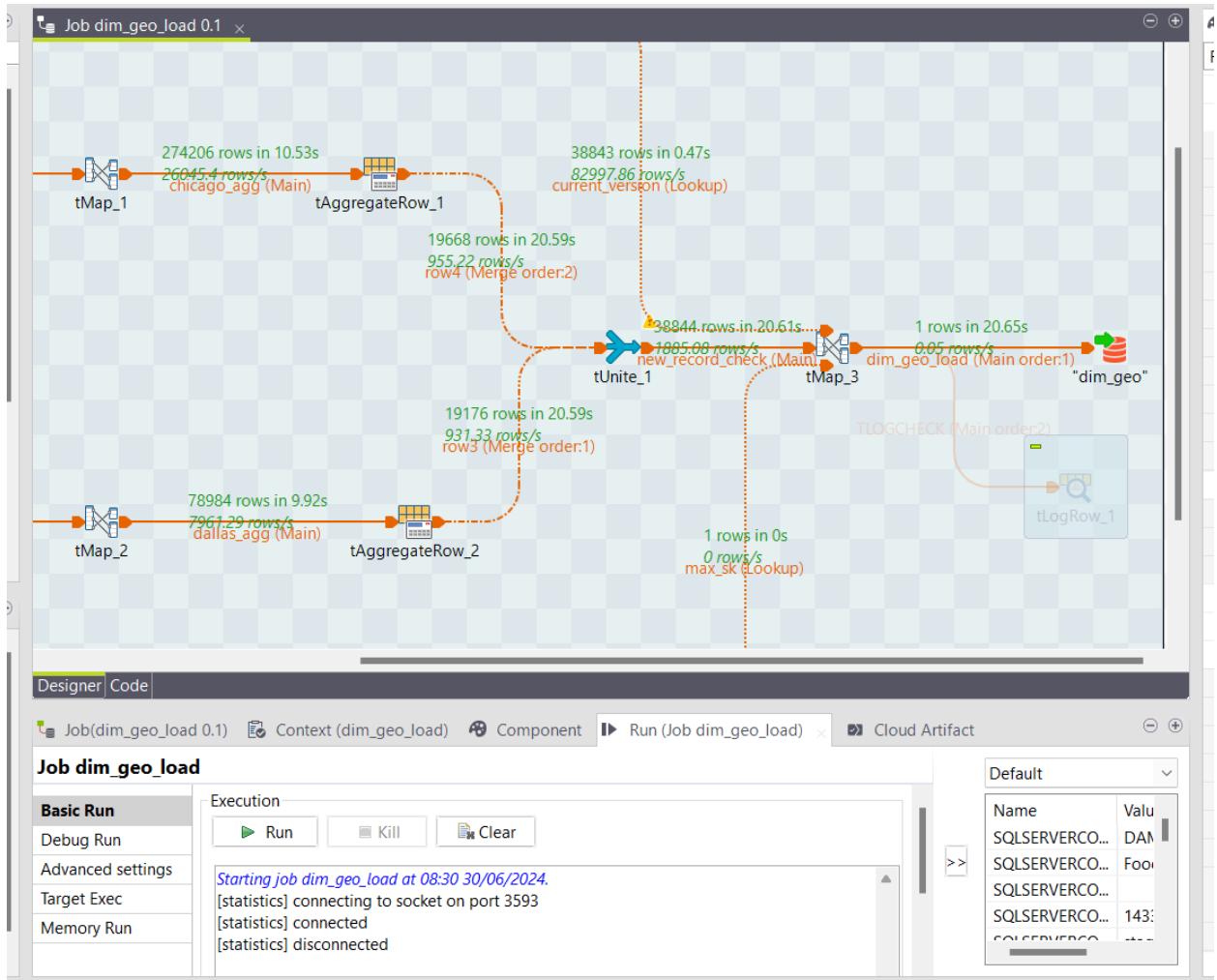
Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 19,668 rows

Ln 1 Col 1 Ch 1 INS

2:54 PM 6/30/2024

```
SELECT
    DISTINCT
    UPPER(ADDRESS),
    UPPER(CITY),
    UPPER(STATE),
    UPPER(ZIP),
    Latitude,
    Longitude
FROM stage.stg_chicago_inspection_load;
```



SQLQuery1.sql - F...on (DAMG7370 (57))

```

SELECT Risk from stage.stg_chicago_inspection_load
GROUP BY Risk;

SELECT * FROM dbo.dim_result;

SELECT DISTINCT Results FROM stage.stg_chicago_inspection_load;

SELECT * FROM dbo.dim_facility_type;

SELECT * FROM dbo.dim_geo;

```

110 %

Results Messages

	dim_geo_id_sk	street_address	city	state	zip_code	latitude	longitude	data_source_id	dw_load_job_id	dw_load_workflow_name	dw_load_date
1	1	9530 OVERLAKE DR #D	DALLAS	TX	75220	32.857140	-96.869629	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.800
2	2	833 N WESTMORELAND RD	DALLAS	TX	75211	42.257214	-87.863174	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
3	3	3699 MCKINNEY AVE #200	DALLAS	TX	75204	32.807823	-96.796989	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
4	4	3001 KNOX ST #100	DALLAS	TX	75205	32.821388	-96.786911	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
5	5	1216 E EIGHTH ST	DALLAS	TX	75203	35.702541	-96.865738	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
6	6	3011 GULDEN LN #115	DALLAS	TX	75212	32.778946	-96.827713	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
7	7	6919 GREENVILLE AVE	DALLAS	TX	75231	-99.000000	-99.000000	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
8	8	9820 N CENTRAL EXPW #510	DALLAS	TX	75231	32.882098	-96.769730	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
9	9	9458 MARSH LN	DALLAS	TX	75220	32.862991	-96.855133	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
10	10	811 PEMBERTON HILL RD	DALLAS	TX	75217	32.724354	-96.717735	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
11	11	13350 DALLAS PKWY #3680	DALLAS	TX	75240	32.930828	-96.820938	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
12	12	17453 PRESTON RD	DALLAS	TX	75252	32.990410	-96.801682	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
13	13	10031 MARSH LN #112	DALLAS	TX	75229	32.880966	-96.856270	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
14	14	6130 GREENVILLE AVE #102	DALLAS	TX	75206	32.859673	-96.767975	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
15	15	2500 VICTORY AVE TERR #5044	DALLAS	TX	75201	-99.000000	-99.000000	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
16	16	8270 ABRAMS RD	DALLAS	TX	75231	32.892548	-96.740990	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817
17	17	800 N LAKESIDE DR #100	DALLAS	TX	75208	32.859084	-96.766201	2	fDXkcT	dim_geo_load	2024-06-30 08:26:17.817

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 38,844 rows

Ln 11 Col 1 Ch 1 INS

DIM_RESTAURANT:

```

SELECT DISTINCT DBAName, AKAName, LicenseNumber
FROM stage.stg_chicago_inspection_load

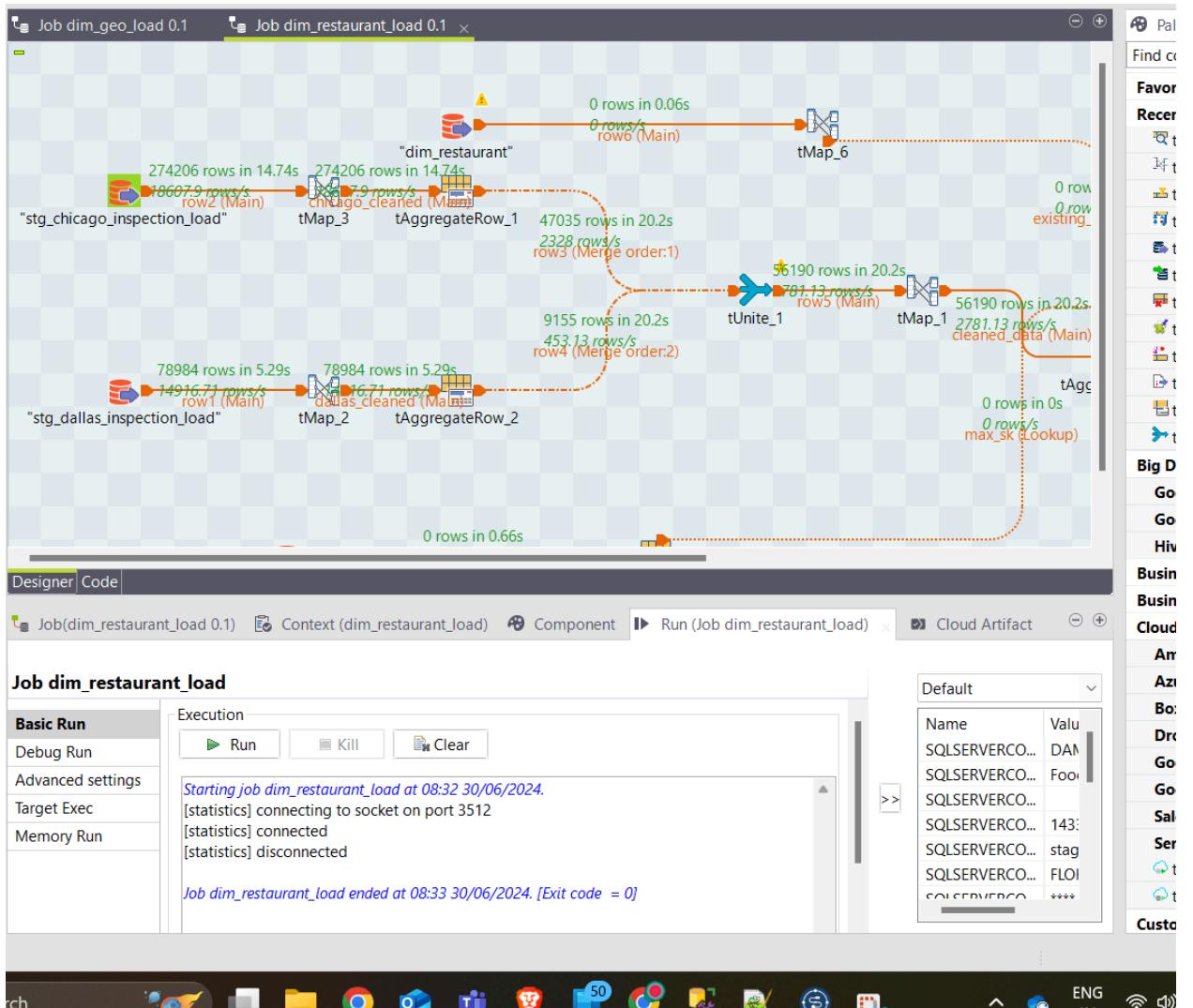
```

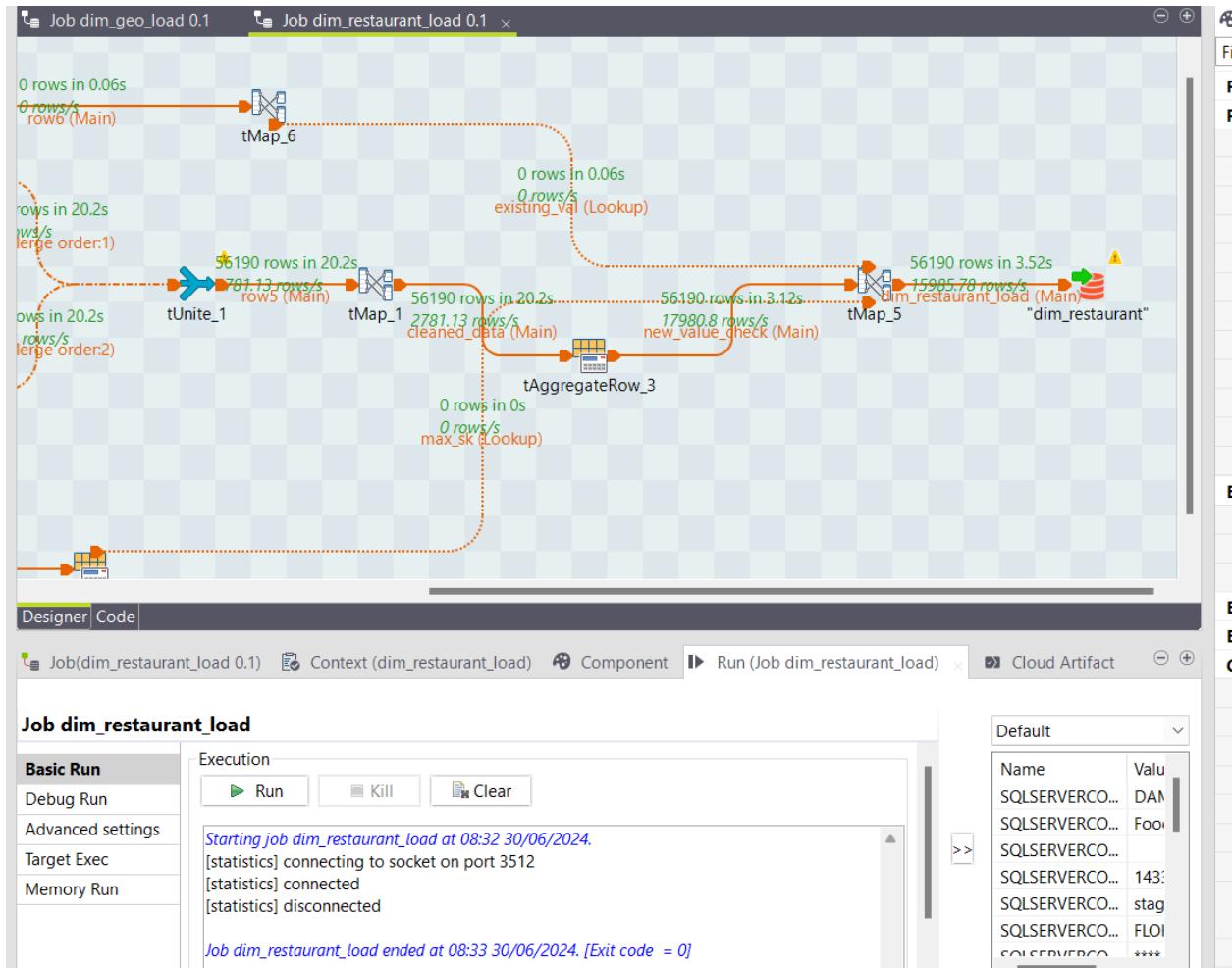
UNION

```

SELECT DISTINCT RestaurantName AS DBAName, NULL AS AKAName,
NULL AS LicenseNumber
FROM stage.stg_dallas_inspection_load;

```





SQLQuery1.sql - F...on (DAMG7370 (57)) * X

```
SELECT * from dbo.dim_restaurant;
```

110 %

Results Messages

dim_restaurant_id_sk	restaurant_name_nk	also_known_as	license_num	data_source_id	dw_load_job_id
1	ROYAL CHICKEN AND SEAFOOD	ROYAL CHICKEN AND SEAFOOD	1491661	1	ENbkCH
2	QUEST FOOD MANAGEMENT SERVICES INC	DEPAUL COLLEGE PREP CAFETERIA	2744583	1	ENbkCH
3	RAHMANIA RESTAURANT	RAHMANIA RESTAURANT	2026962	1	ENbkCH
4	YUN TAN GIL	Unavailable	-999	2	ENbkCH
5	HOLY SPIRIT LUTHERAN ACADEMY AND EARLY CHILDHOOD ...	HOLY SPIRIT LUTHERAN ACADEMY AND EARLY CHILDHOOD ...	1493985	1	ENbkCH
6	ENTREE GLOBAL	ENTREE GLOBAL	2841377	1	ENbkCH
7	HONEY BUTTER FRIED CHICKEN	HONEY BUTTER FRIED CHICKEN	2245405	1	ENbkCH
8	SUNNYSIDE STOP	SUNNYSIDE STOP	2518082	1	ENbkCH
9	HIBA VARIETY STORE	HIBA VARIETY STORE	2109009	1	ENbkCH
10	TACO BUENO	Unavailable	-999	2	ENbkCH
11	BRYN MAWR & KEDZIE BP	CITGO	2555777	1	ENbkCH
12	BEST SUB #2	BEST SUB #2	2314462	1	ENbkCH
13	ENTREE GLOBAL	ENTREE GLOBAL	2841378	1	ENbkCH
14	HONEY BUTTER FRIED CHICKEN	HONEY BUTTER FRIED CHICKEN	2245406	1	ENbkCH
15	ALPANA	ALPANA	2807976	1	ENbkCH
16	CHINAWAY 4075	CHINAWAY 4075	2077604	1	ENbkCH

Query executed successfully.

FIOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 56,190 rows

```
SQLQuery1.sql - F...on (DAMG7370 (57)) * X
SELECT DISTINCT DBName, AKAName, LicenseNumber
FROM stage.stg_chicago_inspection_load
UNION
SELECT DISTINCT RestaurantName AS DBName, NULL AS AKAName, NULL AS LicenseNumber
FROM stage.stg_dallas_inspection_load;
```

110 %

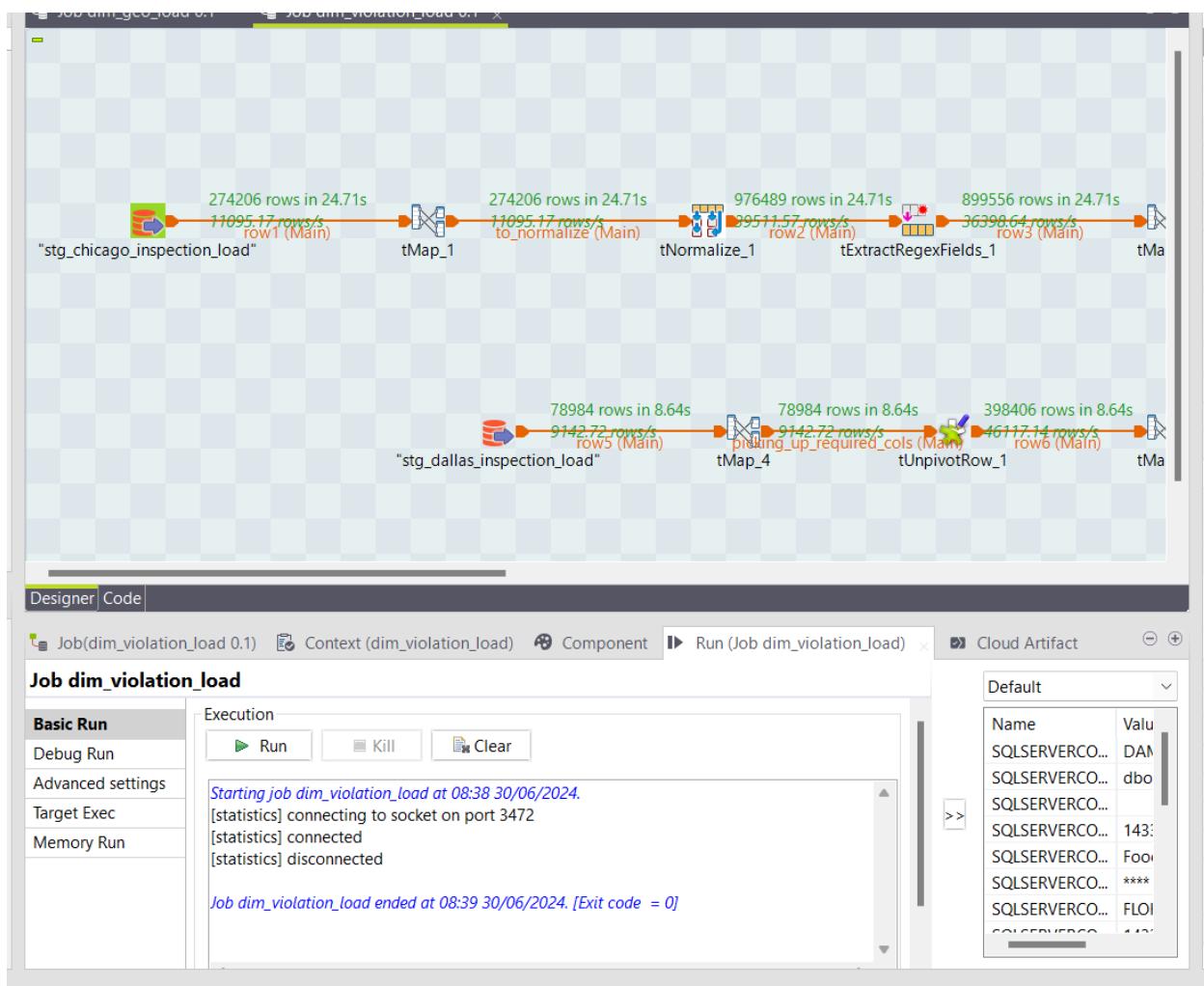
Results Messages

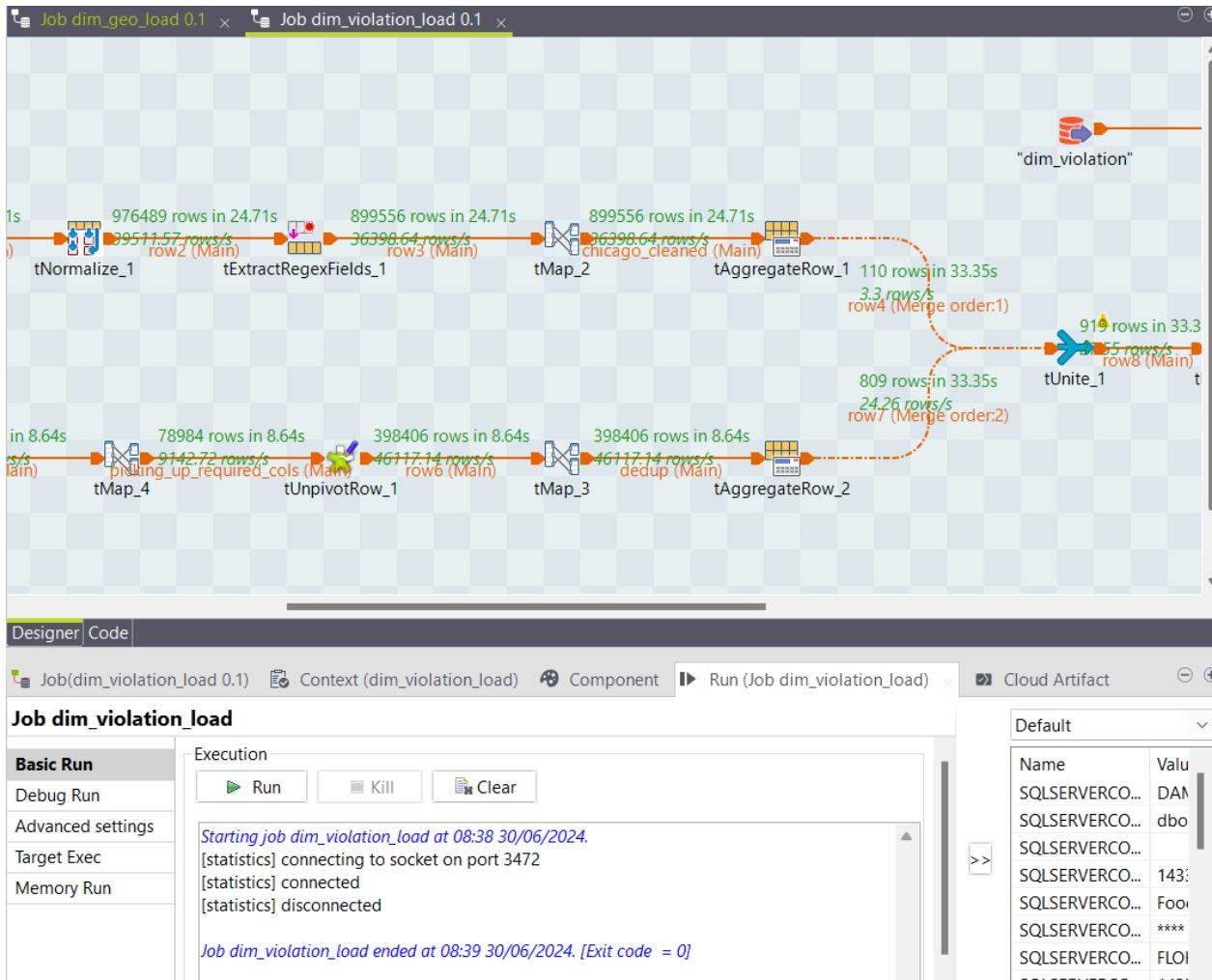
	DBName	AKAName	LicenseNumber
1	IT TAKES A VILLAGE CHRISTIAN ACADEMY	IT TAKES A VILLAGE CHRISTIAN ACADEMY	2222309
2	THREE HOUSE	THREE HOUSE	2767034
3	ST HELENA OF THE CROSS	ST HELENA OF THE CROSS	1981768
4	NORTH AVE TOBACCO & GROCERY	NORTH AVE TOBACCO & GROCERY	2929602
5	DAKOTA'S FAST FOOD RESTAURANT	DAKOTA'S FAST FOOD RESTAURANT	1802720
6	ATARDECER ACAPULQUENO	ATARDECER ACAPULQUENO	2563637
7	HUTCH	HUTCH	2270100
8	RENAISSANCE CHICAGO O'HARE HOTEL	RENAISSANCE CHICAGO O'HARE HOTEL	2263086
9	SUSHI TAKU	SUSHI TAKU	2653172
10	THE FAIRMONT CHICAGO	BANQUET & MEETING RMS	1573767
11	EL POLLO REGIO	EL POLLO REGIO	2412397
12	PALETERIA OSO POLAR II	PALETERIA OSO POLAR	2245951
13	TACO BELL	TACO BELL	1926609
14	CHRISTIANA'S HEAVEN INC		2463425
15	CHICAGO MARRIOTT AT MEDICAL DISTRICT/UIC	CHICAGO MARRIOT AT MEDICAL DISTRICT/UIC	2712436
16	TAQUERIA EL DURANGO	TAQUERIA EL DURANGO	2589272
17	EN HAKKORE	EN HAKKORE	2606408

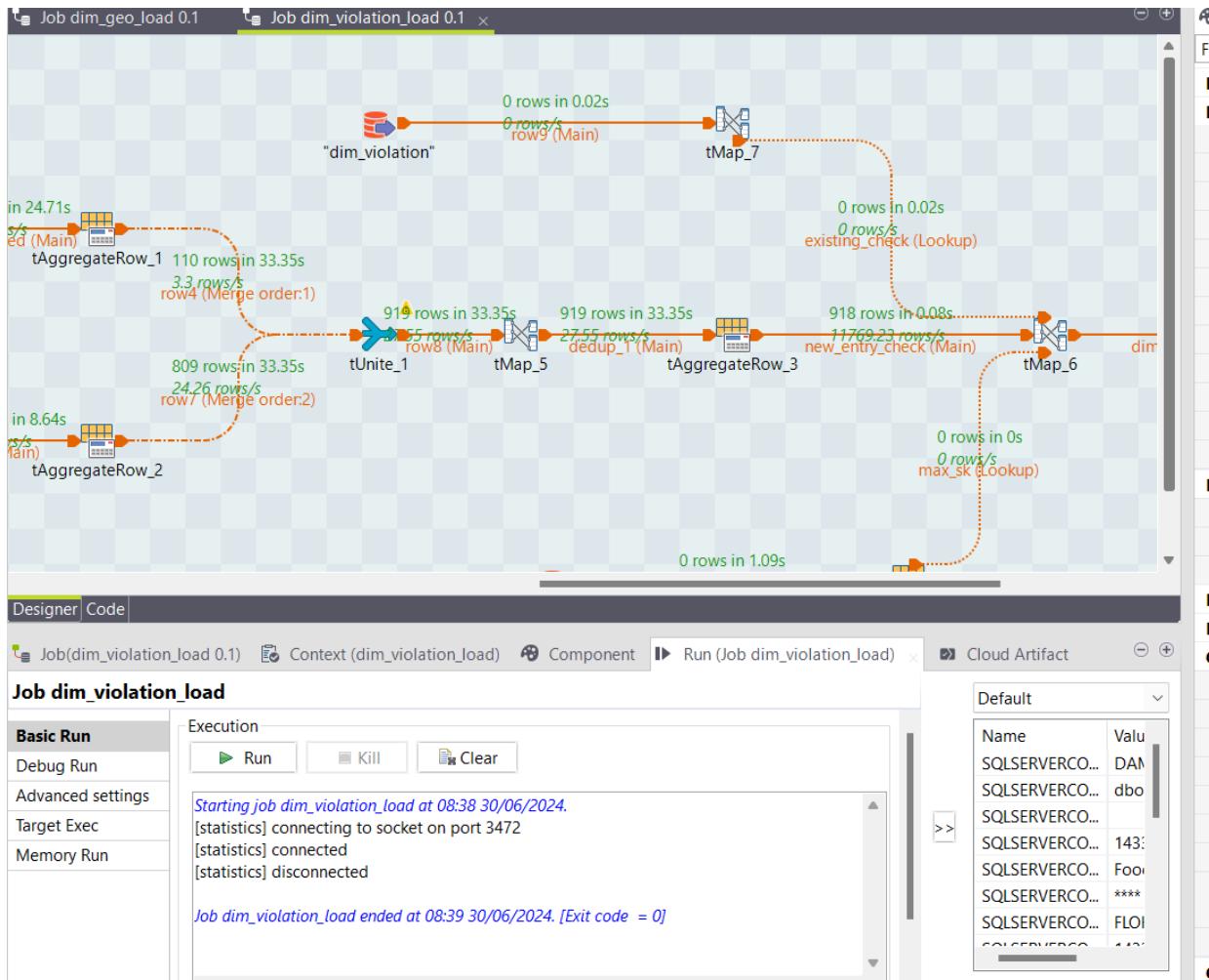
Query executed successfully.

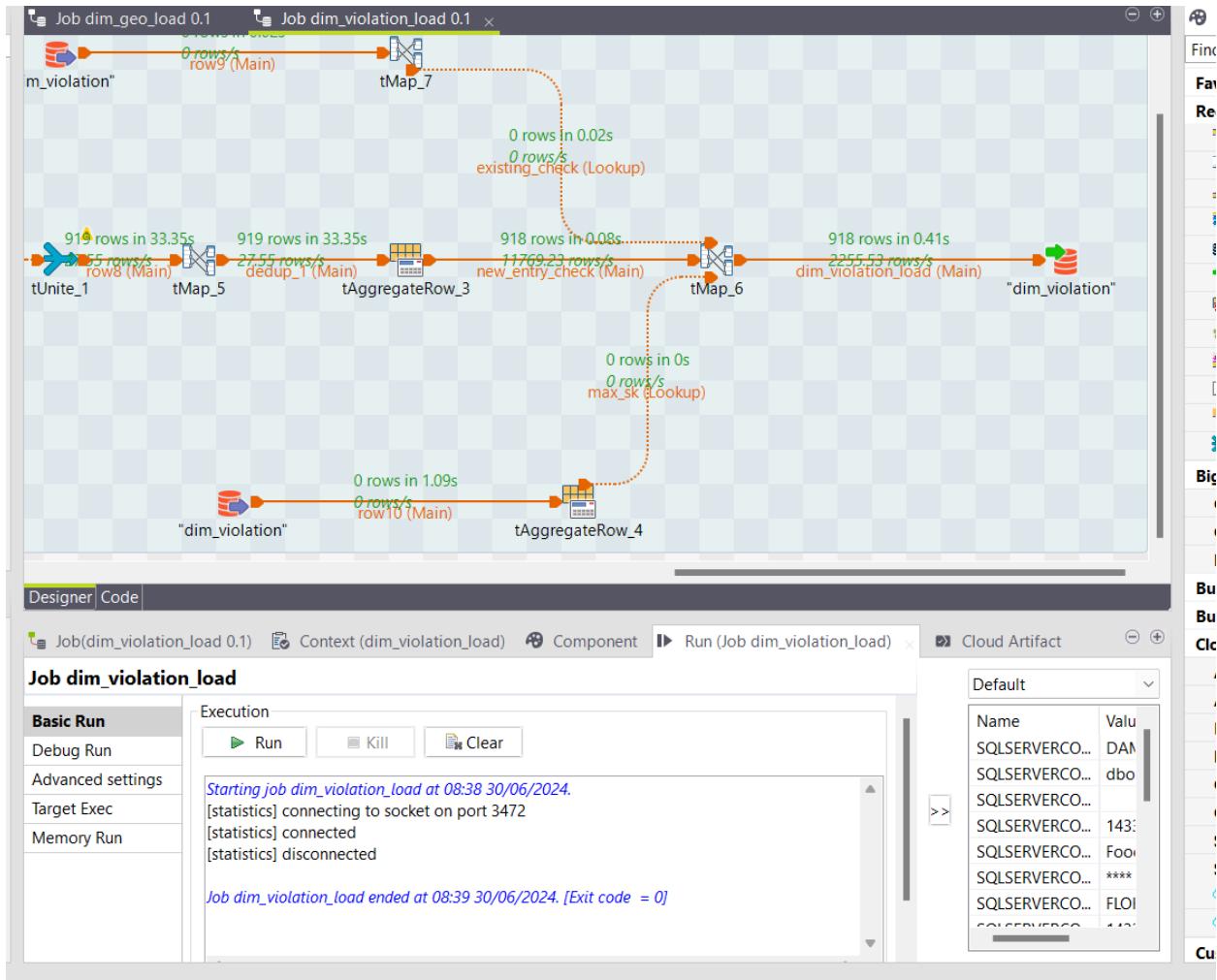
FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 56,190 rows

DIM Violation:









SQLQuery1.sql - F...on (DAMG7370 (57))

```
SELECT * from dbo.dimViolation;
```

Results Messages

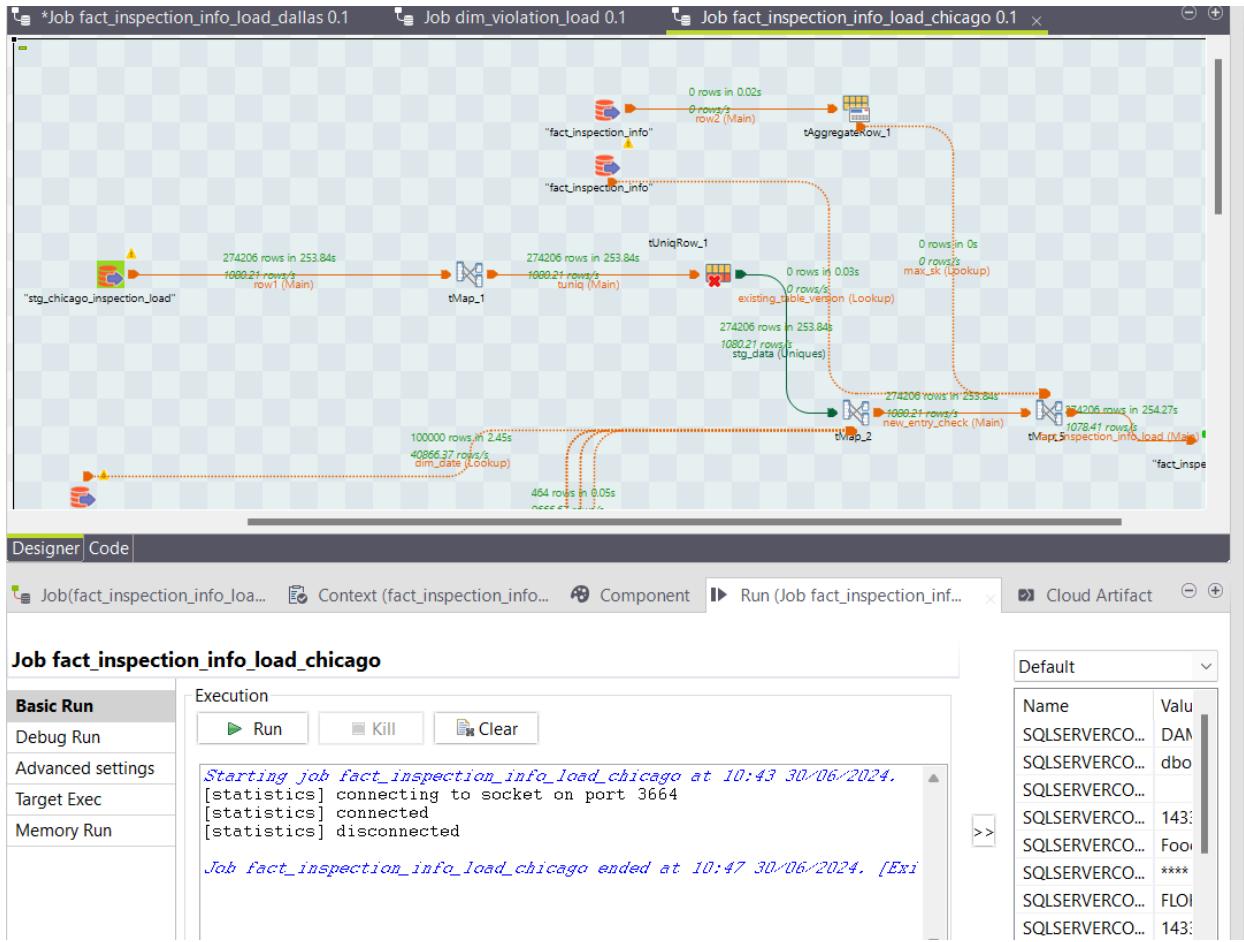
dimViolation_id_sk	dimViolation_code	dimViolation_description	data_source_id	dw_load_job_id	dw_load_workflow_name	dw_load_date
1	45	FLOOR COVERING, MATS AND DUCKBOARDS	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.387
2	36	THERMOMETERS PROVIDED & ACCURATE	1	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
3	47	WELL LOGS-RECORDS KITED	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
4	42	DIRTY NONFOOD CONTACT SURFACES	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
5	44	RECEPTACLES PREVENT DEBRIS, INSECT, RODENTS, ALLO...	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
6	34	SERVICE DOGS ALLOWED	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
7	39	ADJOINING EQUIPMENT NOT SPACED MORE THAN 1 MM	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
8	37	CONDIMENTES PROTECTED FROM CONTAMINATION	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
9	33	WAREWASHING MACHINES, FLOW PRESSURE DEVICE	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
10	10	EQUIPMENT & UTENSILS FOR NON PHF SHALL BE CLEANED	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
11	11	EQUIPMENT CLEARANCE OF CLEANING SPACE	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
12	12	EXCEPT FOR REFILLING A CONSUMER'S DRINKING CUP OR...	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
13	13	CABINET USED FOR THE STORAGE OF FOOD MAY NOT BE L...	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
14	14	FLOOR-MOUNTED EQUIP. SEALED OR ELEVATED ON 6" LE...	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
15	15	WAREWASHING MACHINES NOT APPLY TO PUMPED RINSE	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
16	16	LIGHT - 20 FOOT : WASHING, UTENSIL, TOILET	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430
17	22	WASHED IMMEDIATELY AFTER APPLICATION OF SANITIZED	2	pT5NDO	dimViolation_load	2024-06-30 08:39:00.430

Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:00 | 918 rows

FACT TABLE LOADS:

FACT INSPECTION INFO - CHICAGO



The screenshot shows three parallel ETL jobs running in a data integration tool:

- *Job fact_inspection_info_load_dallas 0.1**: Loads data from "dim_date" and "dim_facility_type". The "dim_date" source has 100000 rows in 2.45s at 40866.37 rows/s. The "dim_facility_type" source has 464 rows in 0.05s at 9666.67 rows/s.
- Job dimViolation_load 0.1**: Loads data from "dim_geo". The source has 38845 rows in 0.71s at 55021.25 rows/s.
- Job fact_inspection_info_load_chicago 0.1**: Loads data from "dim_date", "dim_facility_type", and "dim_geo". The "dim_date" source has 464 rows in 0.05s at 9666.67 rows/s. The "dim_facility_type" source has 8 rows in 0.08s at 102.56 rows/s. The "dim_geo" source has 38845 rows in 0.71s at 55021.25 rows/s.

Job fact_inspection_info_load_chicago

Basic Run

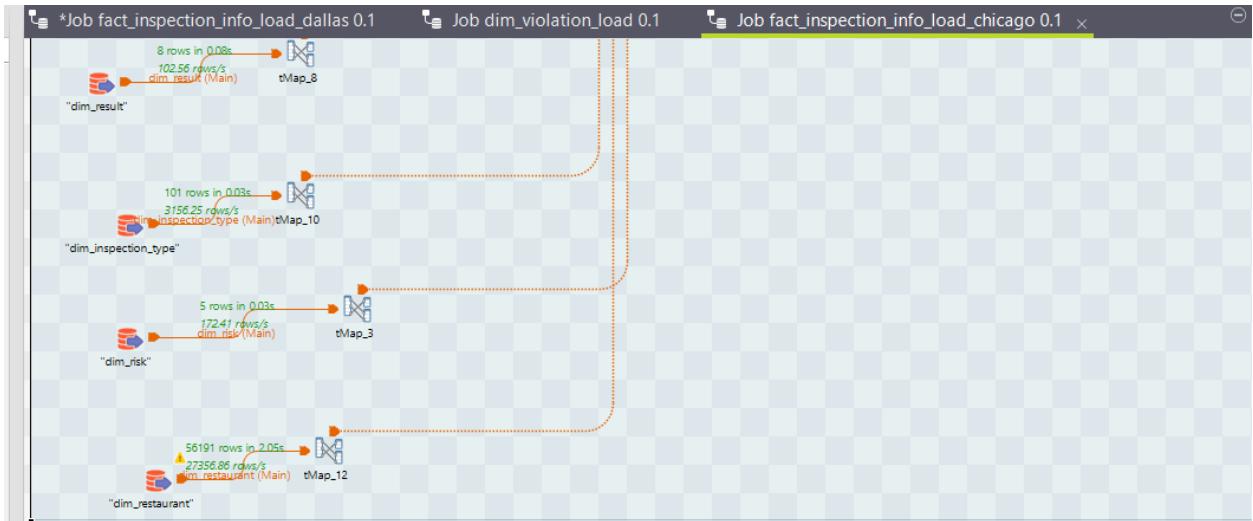
- Execution
 - Run
 - Kill
 - Clear

```

Starting job fact_inspection_info_load_chicago at 10:43 30/06/2024.
[statistics] connecting to socket on port 3664
[statistics] connected
[statistics] disconnected
Job fact_inspection_info_load_chicago ended at 10:47 30/06/2024. [Exit]
  
```

Cloud Artifact

Default	
Name	Value
SQLSERVERCO...	DAM
SQLSERVERCO...	dbo
SQLSERVERCO...	
SQLSERVERCO...	143
SQLSERVERCO...	Foo
SQLSERVERCO...	***
SQLSERVERCO...	FLOI



Designer | Code

Job(fact_inspection_info_load_chicago) Context (fact_inspection_info... Component Run (Job fact_inspection_info... Cloud Artifact

Job fact_inspection_info_load_chicago

Basic Run

- Debug Run
- Advanced settings
- Target Exec
- Memory Run

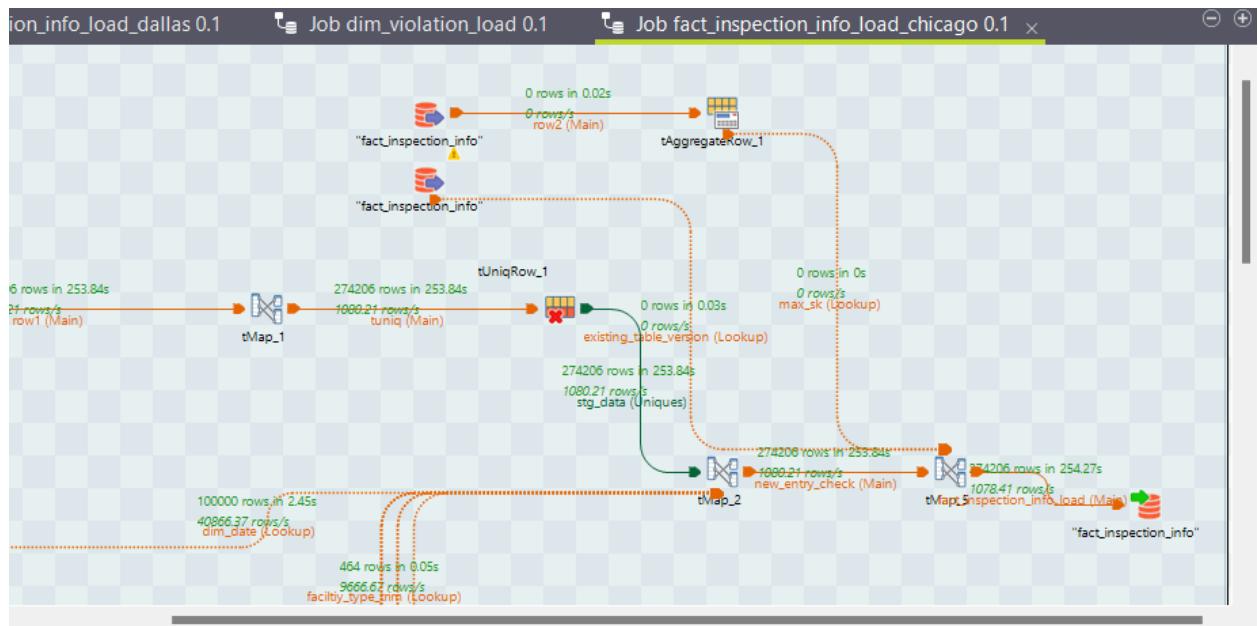
Execution

Run **Kill** **Clear**

```
Starting job fact_inspection_info_load_chicago at 10:43 30/06/2024.
[statistics] connecting to socket on port 3664
[statistics] connected
[statistics] disconnected
Job fact_inspection_info_load_chicago ended at 10:47 30/06/2024. [Exit]
```

Default

Name	Value
SQLSERVERCO...	DAM
SQLSERVERCO...	dbo
SQLSERVERCO...	
SQLSERVERCO...	143:
SQLSERVERCO...	Foo
SQLSERVERCO...	****
SQLSERVERCO...	FLOI
SQLSERVERCO...	143:



```

SELECT * FROM fact_inspection_info;

SELECT * FROM dbo.fact_inspection_info;

```

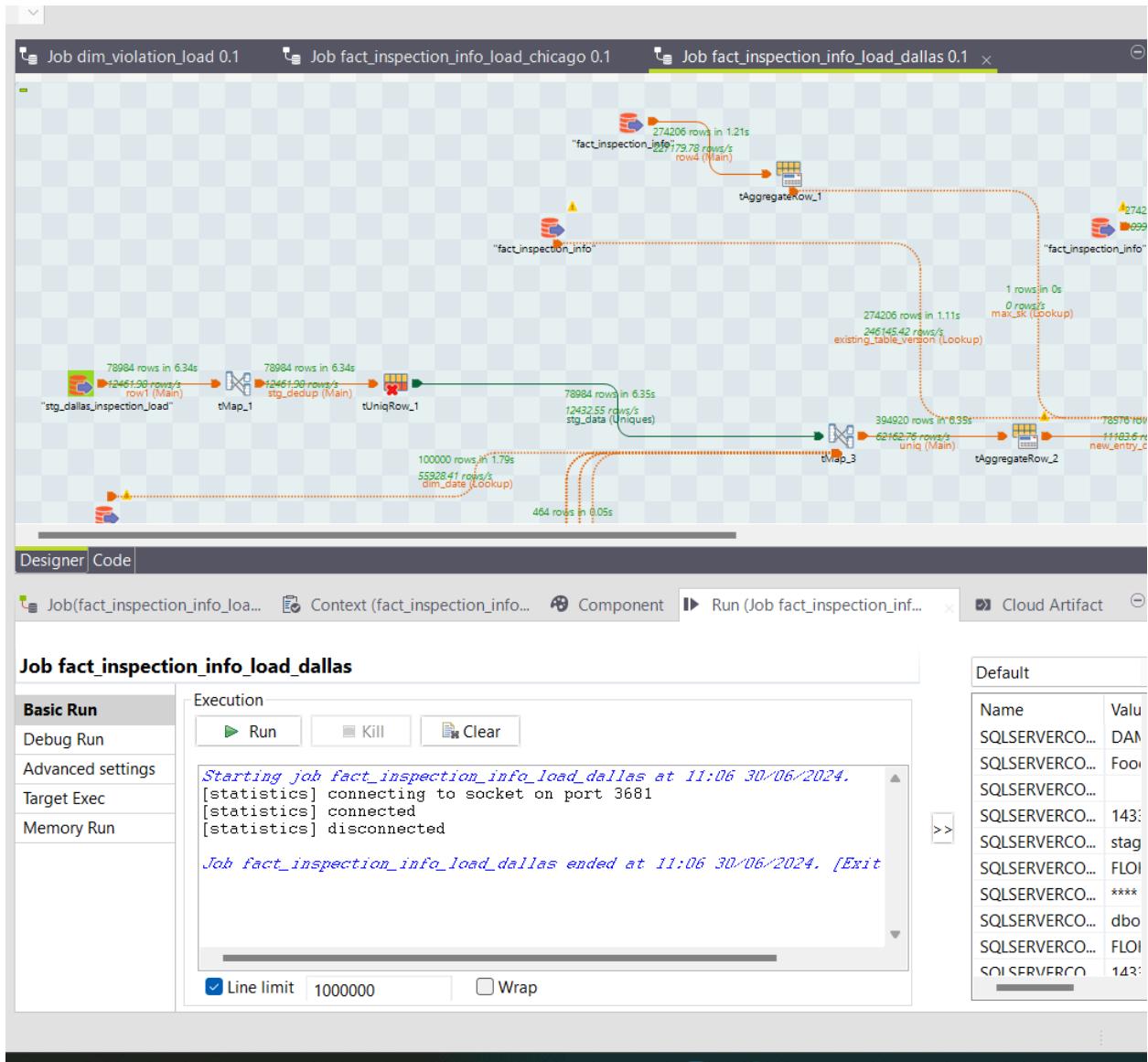
.0 %

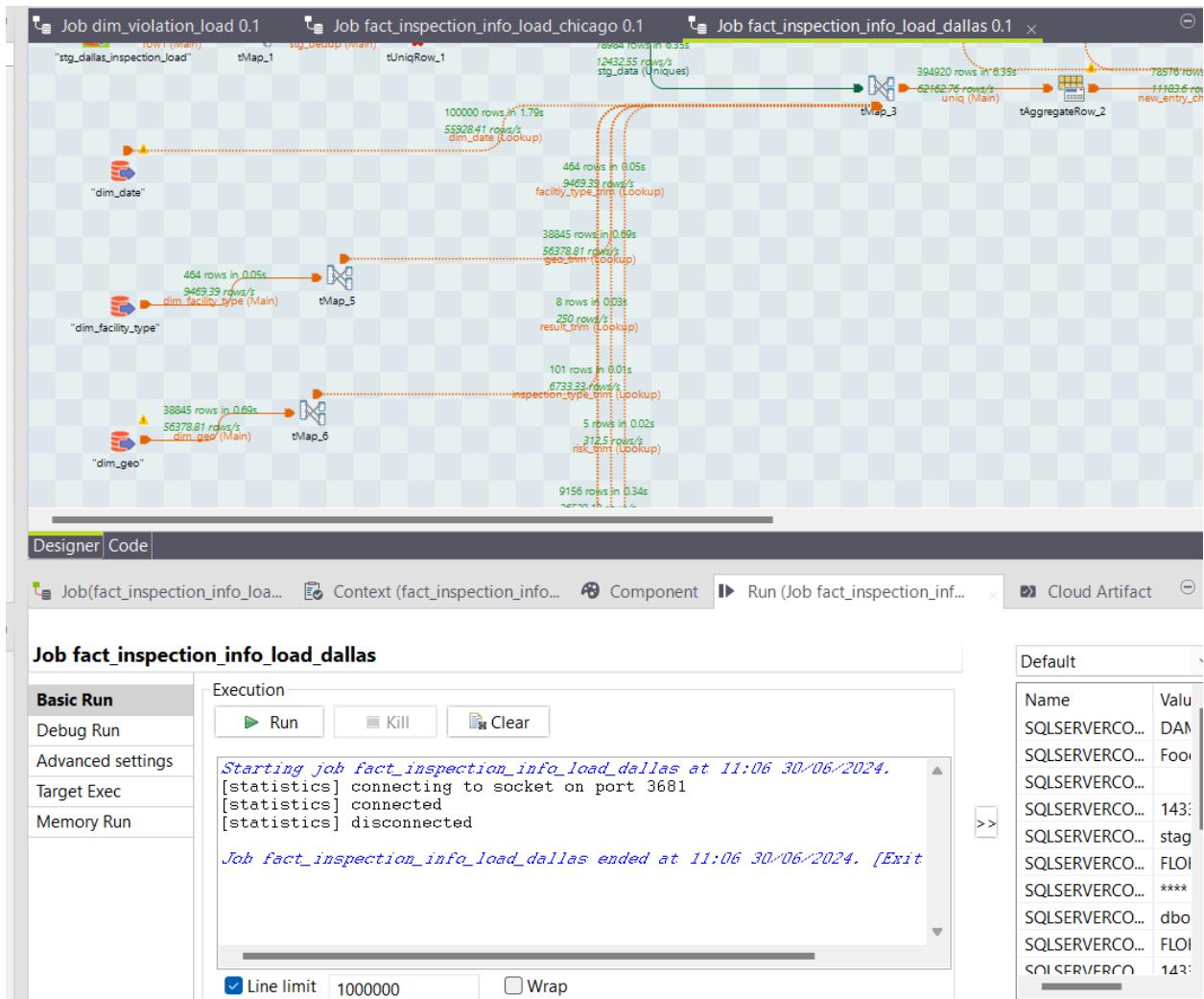
	fact_inspection_info_sk	inspection_id_nk	dim_inspection_type_id_sk	dim_risk_id_sk	dim_restaurant_id_sk	dim_facility_type_id_sk	dim_result_id_sk	dim_geo_id_sk	inspection_date	data_sour
1	2592477	81	2	48074	117	4	26036	20240410	1	
2	2593532	49	2	27519	9	2	25567	20240426	1	
3	2592218	49	2	29253	347	2	30731	20240405	1	
4	2592233	49	2	3065	9	7	34500	20240405	1	
5	2592328	49	2	27484	9	4	36768	20240408	1	
6	2592329	49	2	7797	9	2	38244	20240408	1	
7	2590909	49	2	55245	9	7	34675	20240312	1	
8	2591561	49	2	15869	9	2	20330	20240325	1	
9	2592494	49	2	46688	9	2	34484	20240410	1	
10	2594950	49	2	48676	9	4	22504	20240521	1	
11	2594274	67	2	7174	231	2	23380	20240509	1	
12	2592876	67	2	4754	9	2	23692	20240416	1	
13	2594008	49	2	39658	16	2	26186	20240506	1	
14	2594964	49	2	562	231	7	34878	20240521	1	
15	2595069	67	2	45734	9	2	22354	20240522	1	
16	2594147	67	2	20000	0	7	20000	20240510	1	

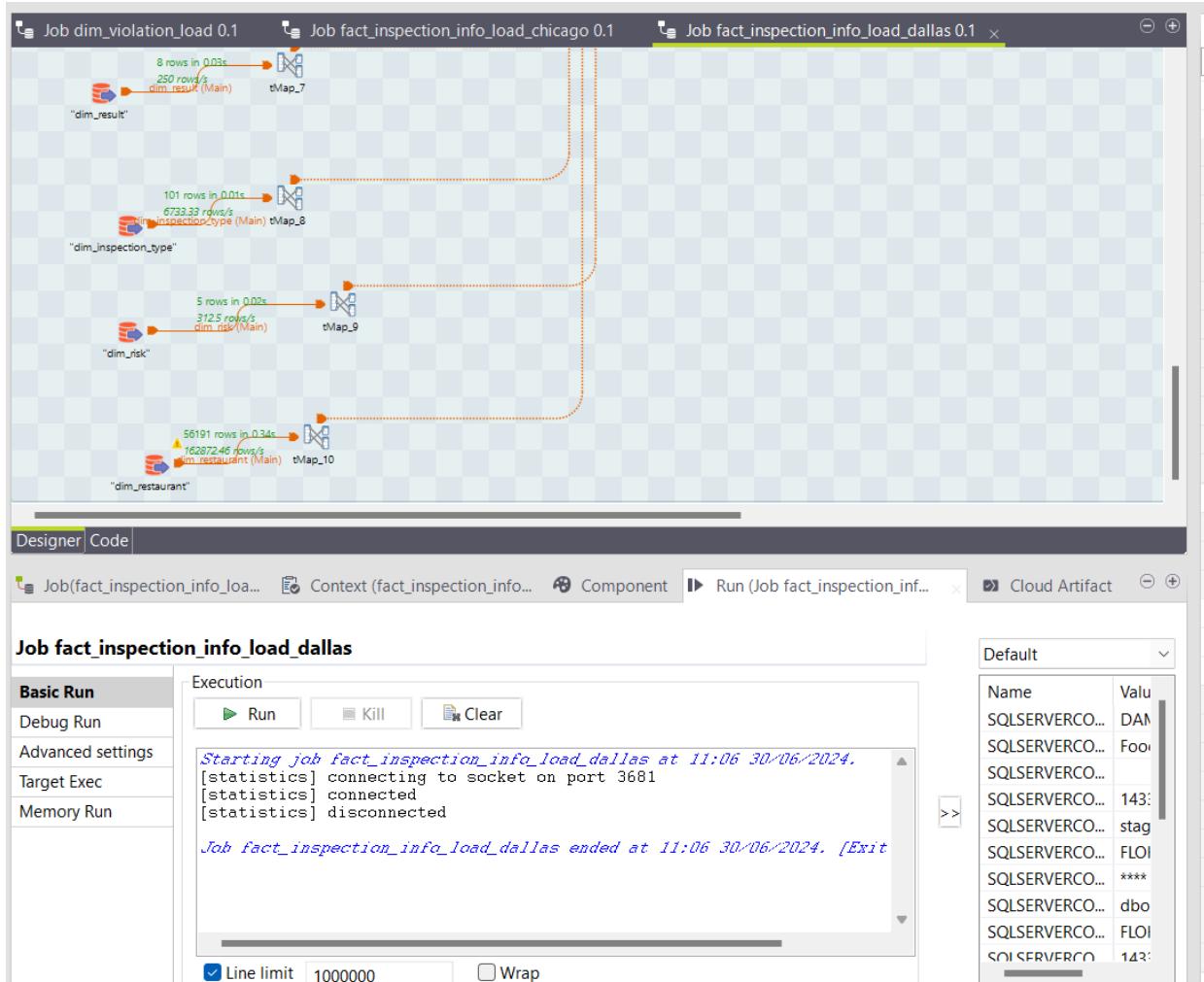
Query executed successfully.

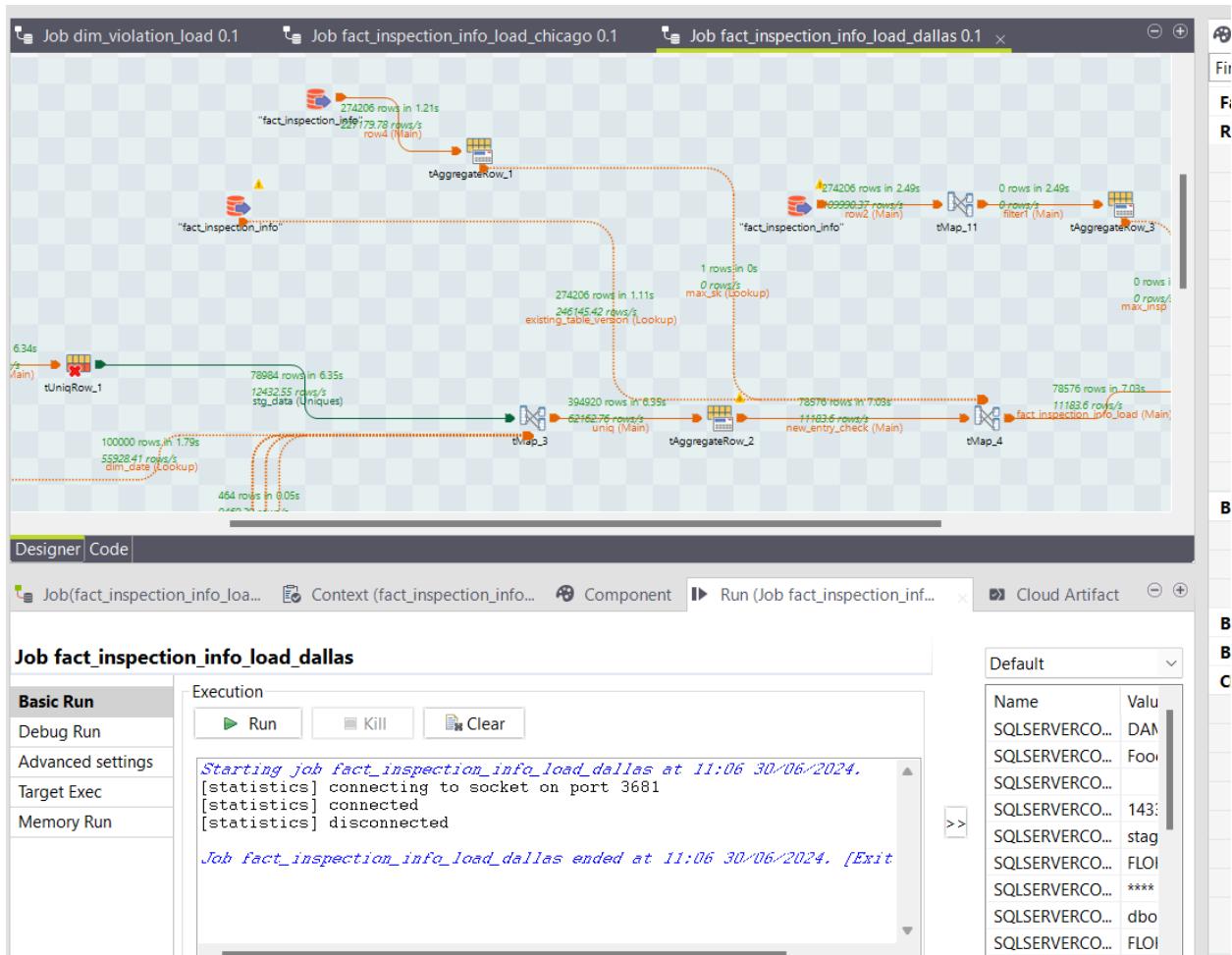
FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:03 | 274,206 rows

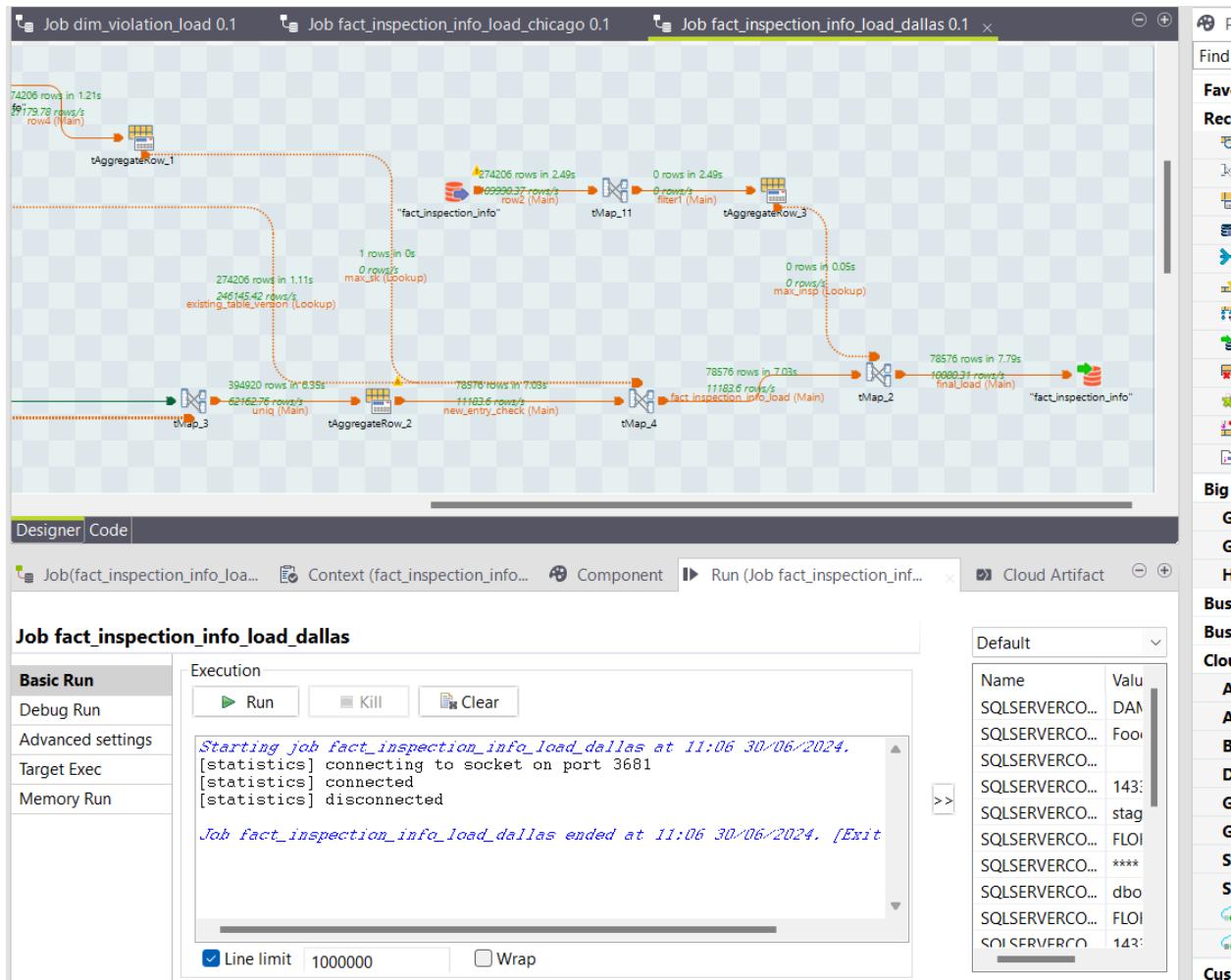
FACT_INSPECTION_INFO -DALLAS:











SQLQuery1.sql - F...on (DAMG7370 (57))*

```

SELECT * FROM fact_inspection_info;

SELECT * FROM dbo.fact_inspection_info;

SELECT * FROM dbo.fact_inspection_info
where data_source_id=2;

TRUNCATE TABLE fact_inspection_info;

SELECT * from dbo.dim_restaurant
where dim_restaurant_id_sk=30485;

```

110 %

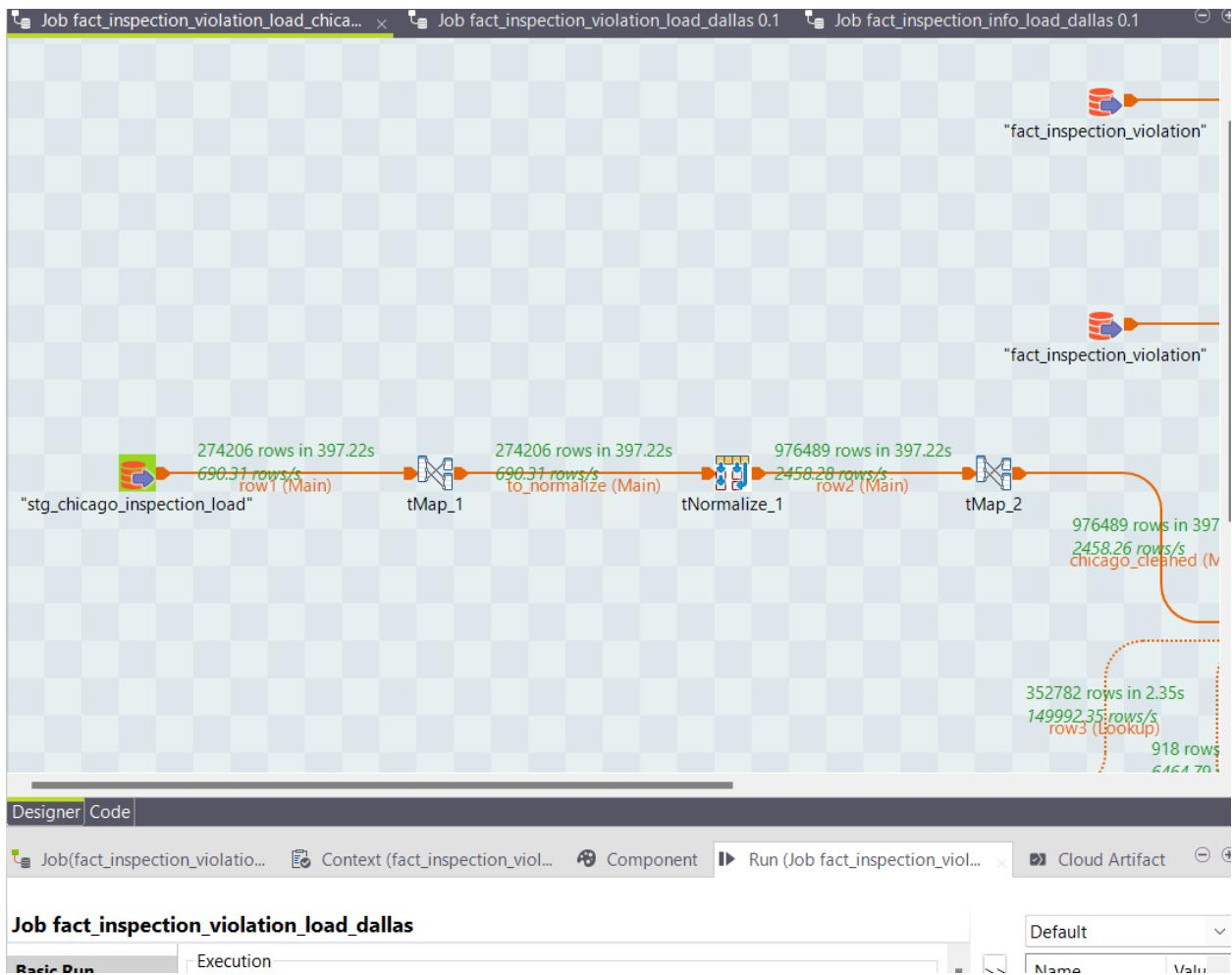
Results Messages

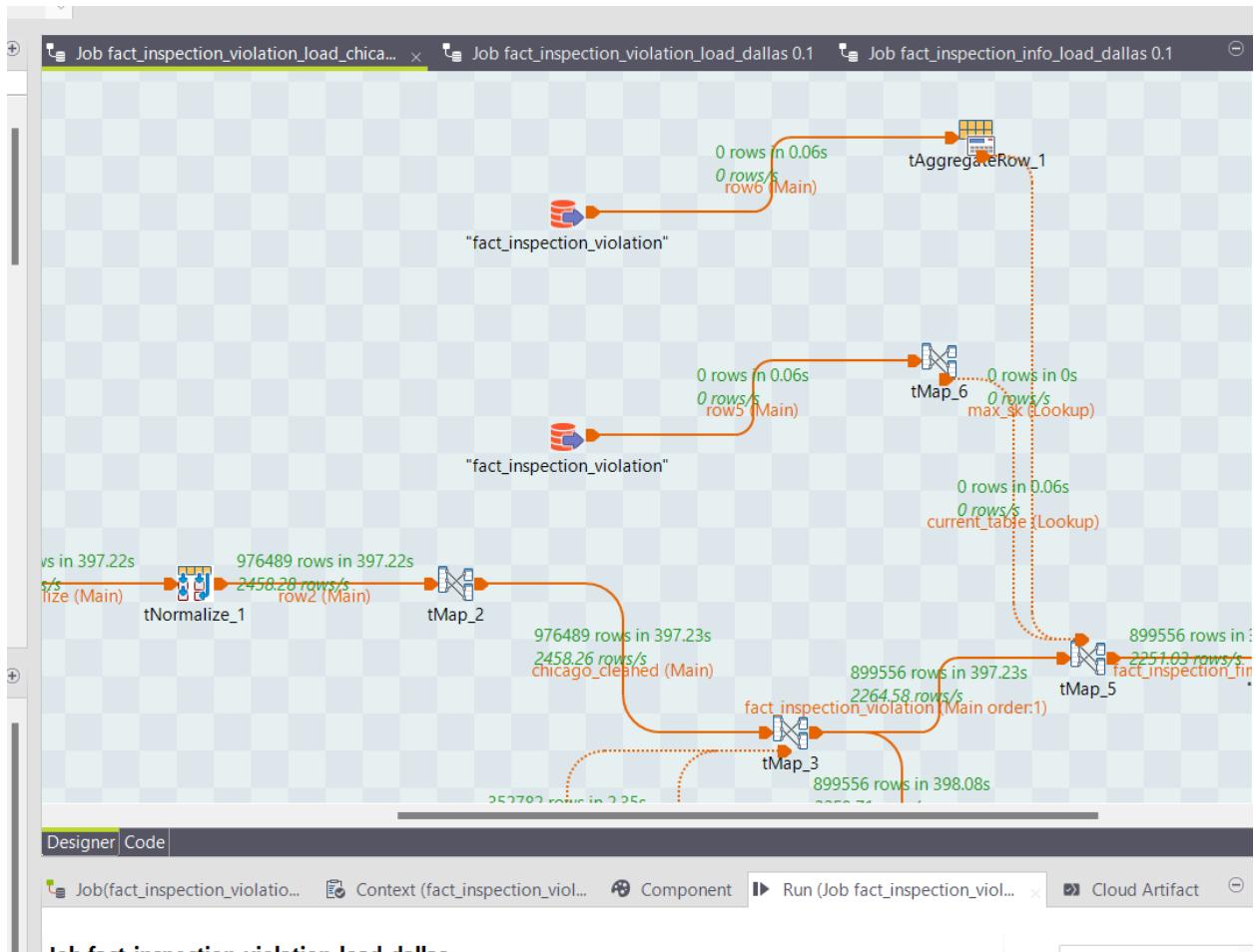
	fact_inspection_info_sk	inspection_id_nk	dim_inspection_type_id_sk	dim_risk_id_sk	dim_restaurant_id_sk	dim_facility_type_id_sk	dim_result_id_sk	dim_geo_id_sk	inspection_date	data_sour
1	274207	10000000	61	-999	1720	9	2	15546	20181204	2
2	274208	10000001	61	-999	50645	9	2	-999	20230505	2
3	274209	10000002	61	-999	17323	9	2	7229	20220208	2
4	274210	10000003	61	-999	51017	9	2	15928	20170406	2
5	274211	10000004	61	-999	14422	9	2	861	20180907	2
6	274212	10000005	61	-999	8901	9	2	4123	20180712	2
7	274213	10000006	61	-999	55229	9	2	1214	20190916	2
8	274214	10000007	61	-999	15092	9	2	-999	20240128	2
9	274215	10000008	61	-999	31117	9	2	14280	20170216	2
10	274216	10000009	61	-999	22941	9	2	14991	20161126	2
11	274217	10000010	61	-999	25248	9	2	7273	20161208	2
12	274218	10000011	61	-999	4084	9	2	1784	20230303	2
13	274219	10000012	61	-999	39586	9	2	14087	20170206	2
14	274220	10000013	61	-999	23785	9	2	1183	20180918	2
15	274221	10000014	61	-999	43853	9	2	1187	20221109	2
16	274222	10000015	61	000	20016	0	0	000	20171110	2

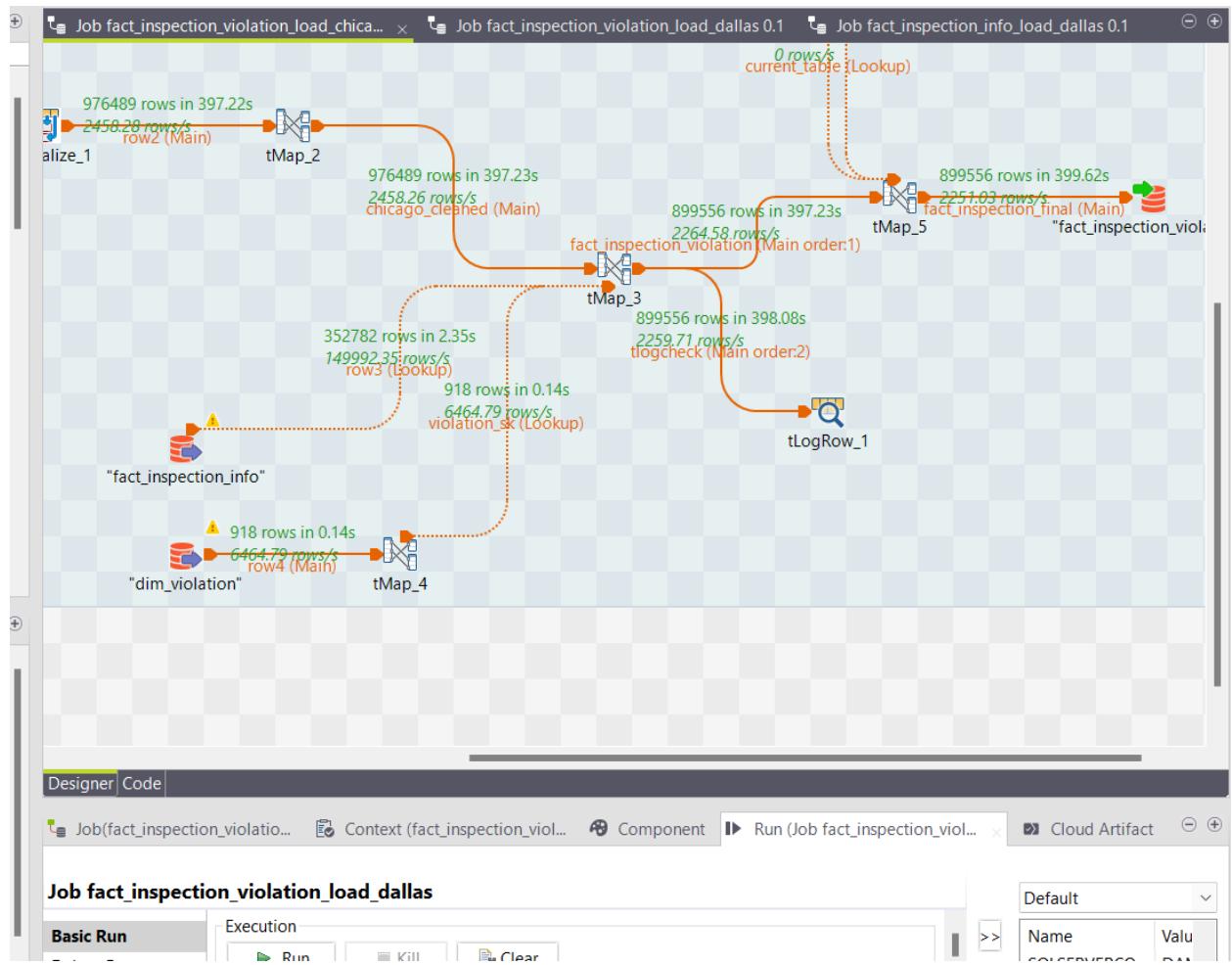
Query executed successfully.

FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:01 | 78,576 rows

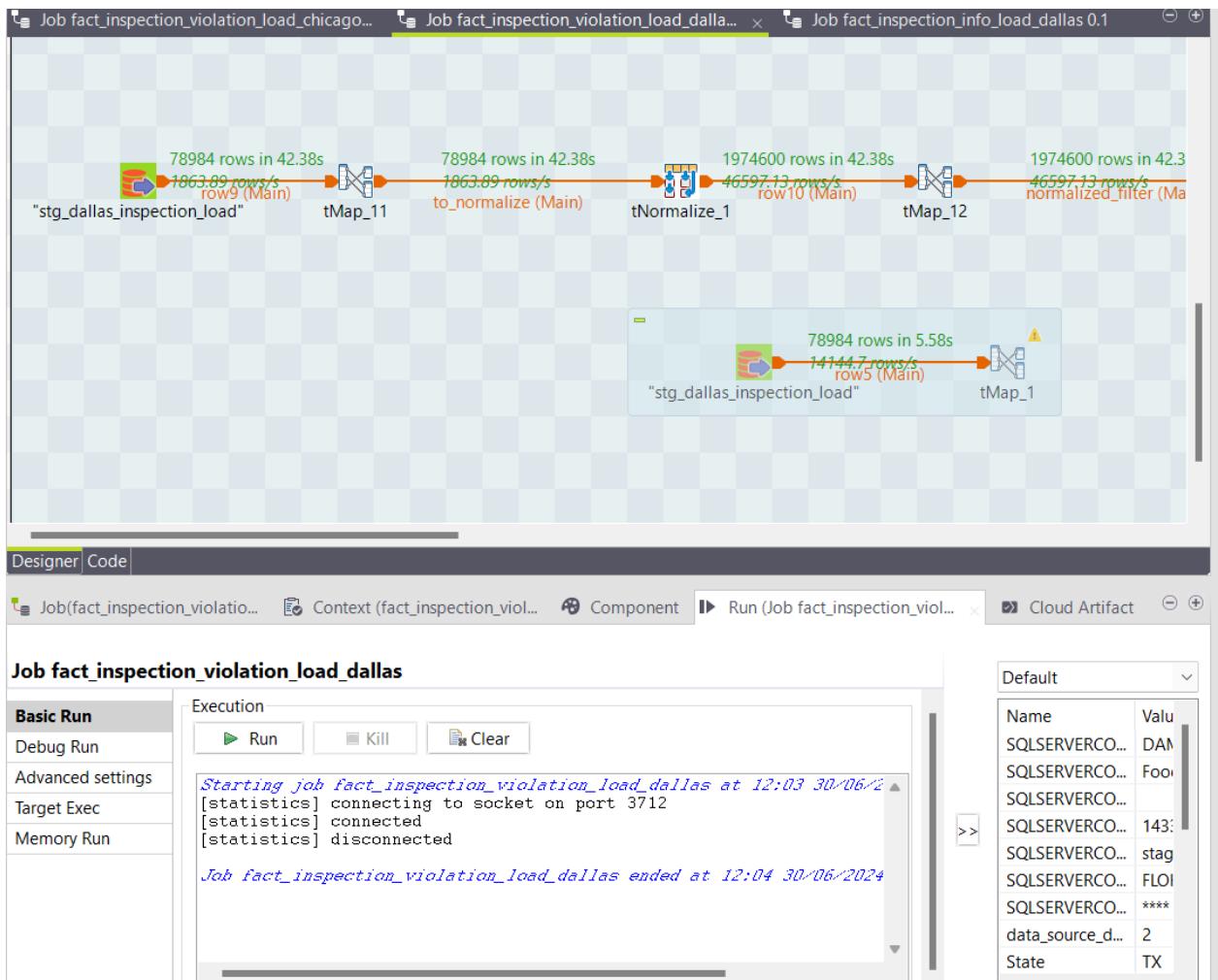
Fact 2- FACT_INSPECTION VIOLATION CHICAGO:

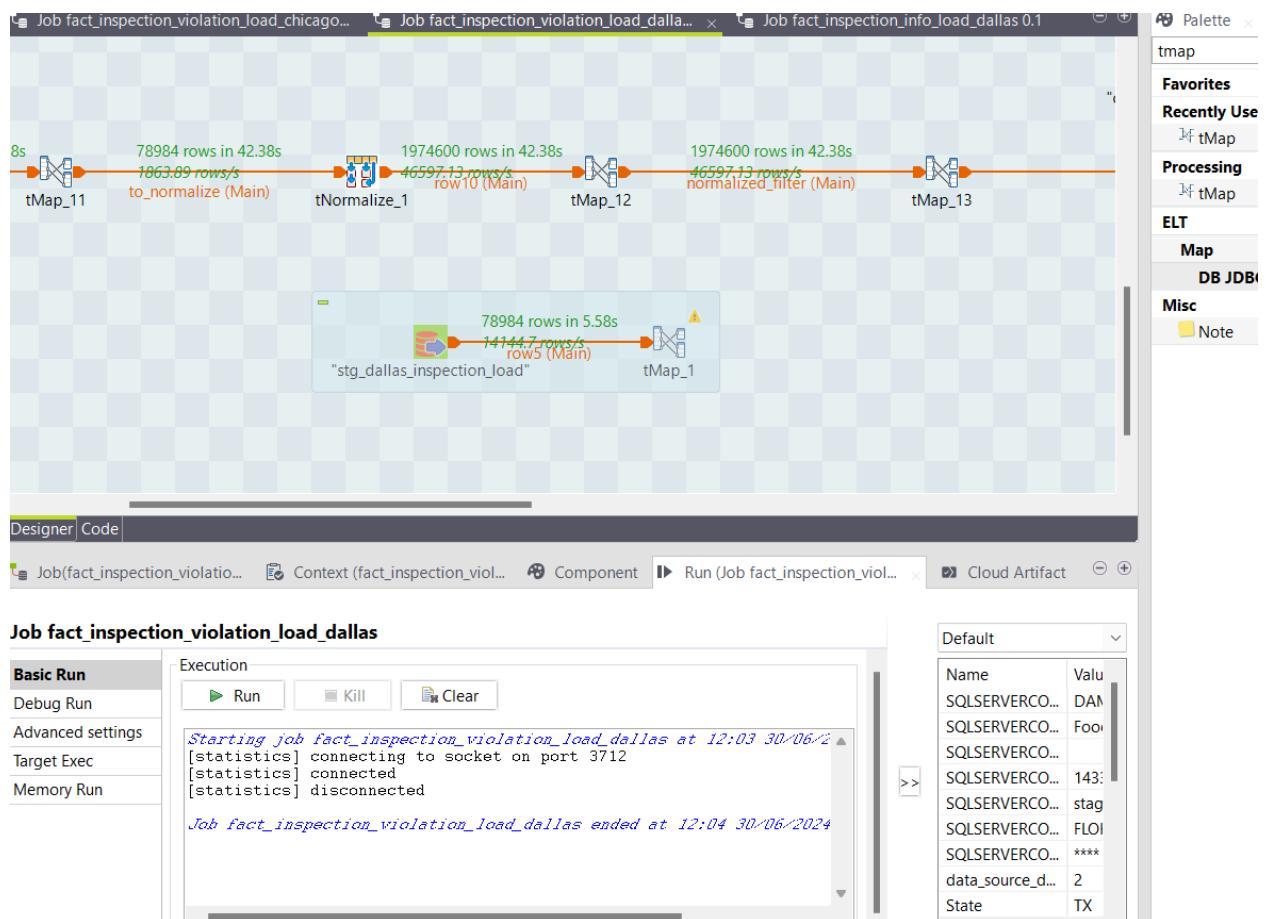


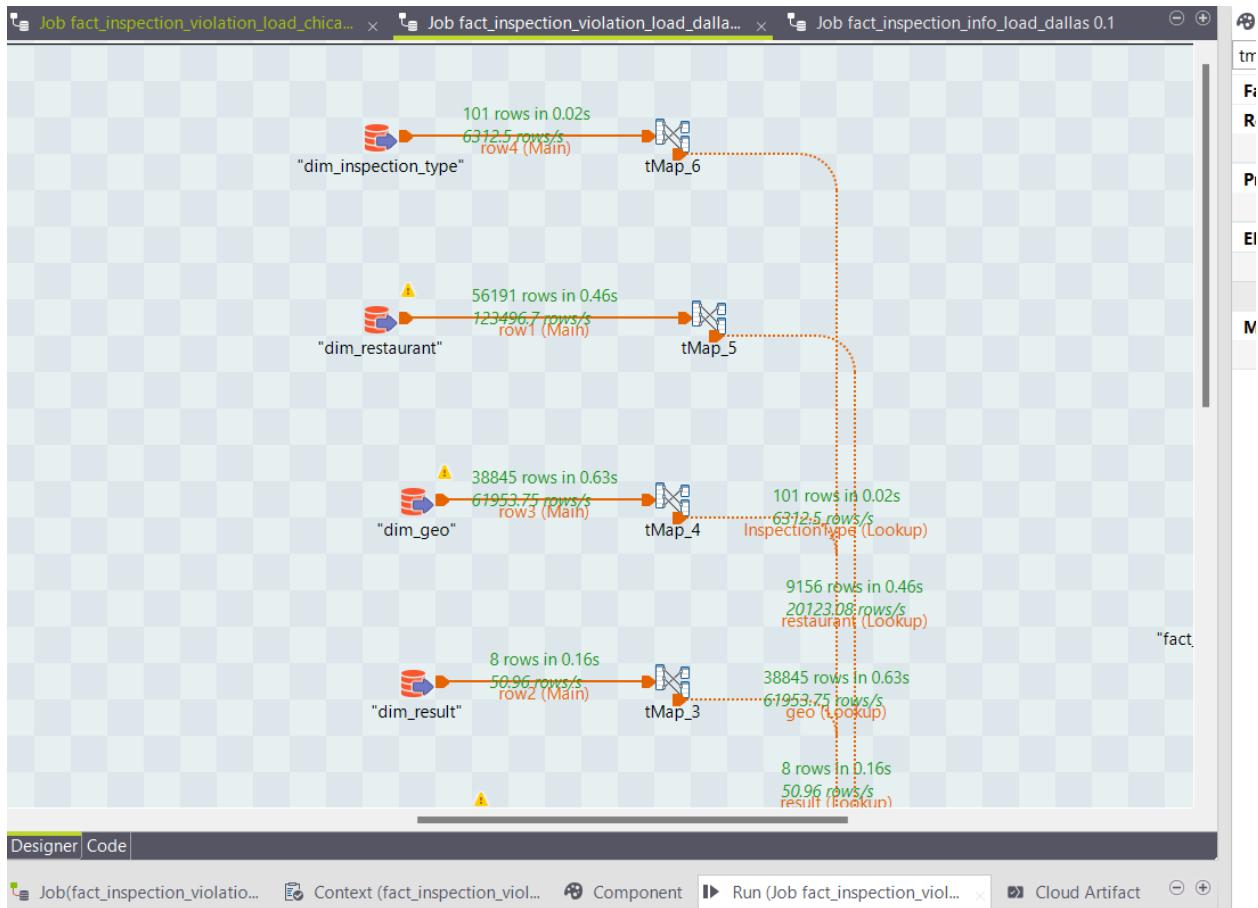


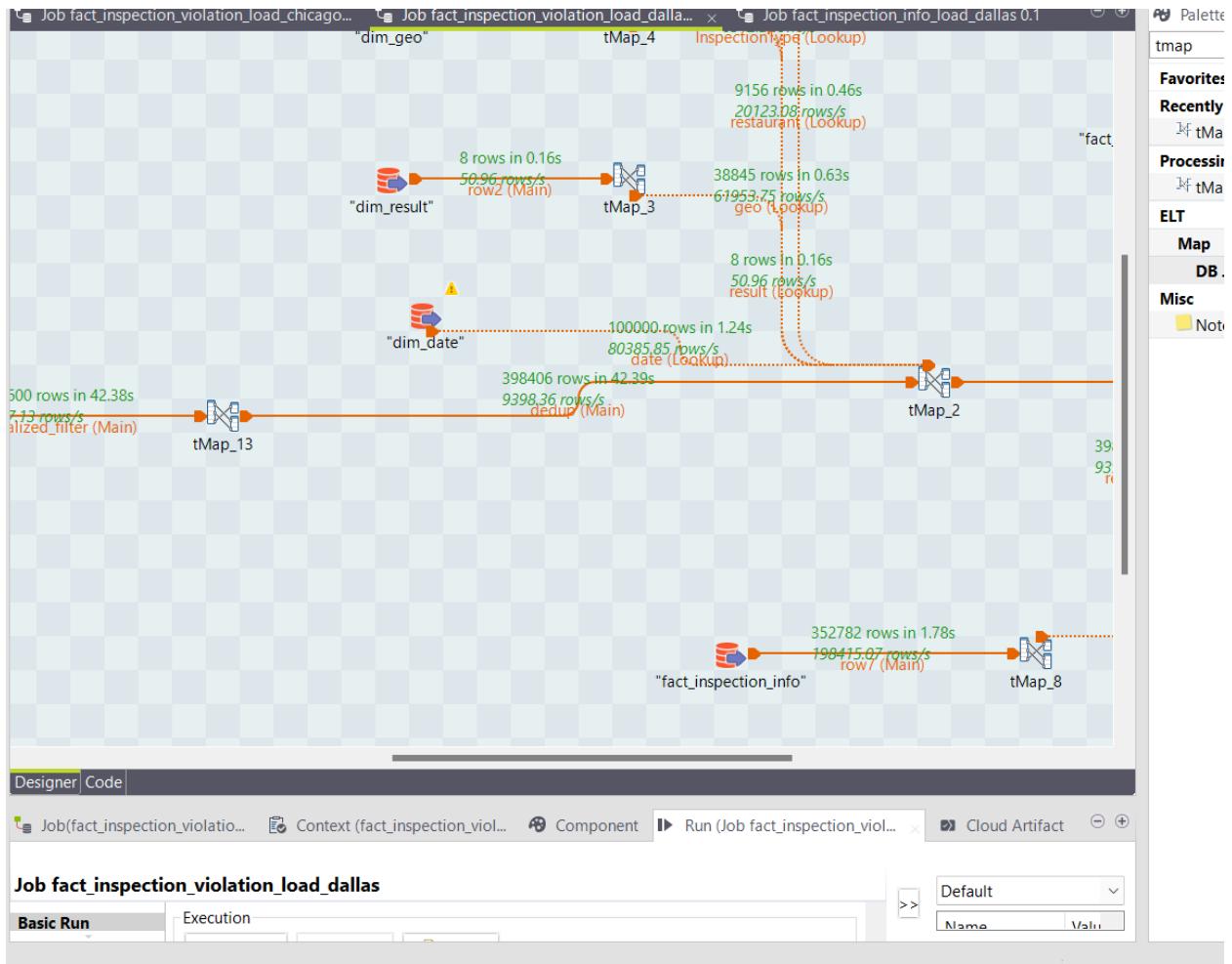


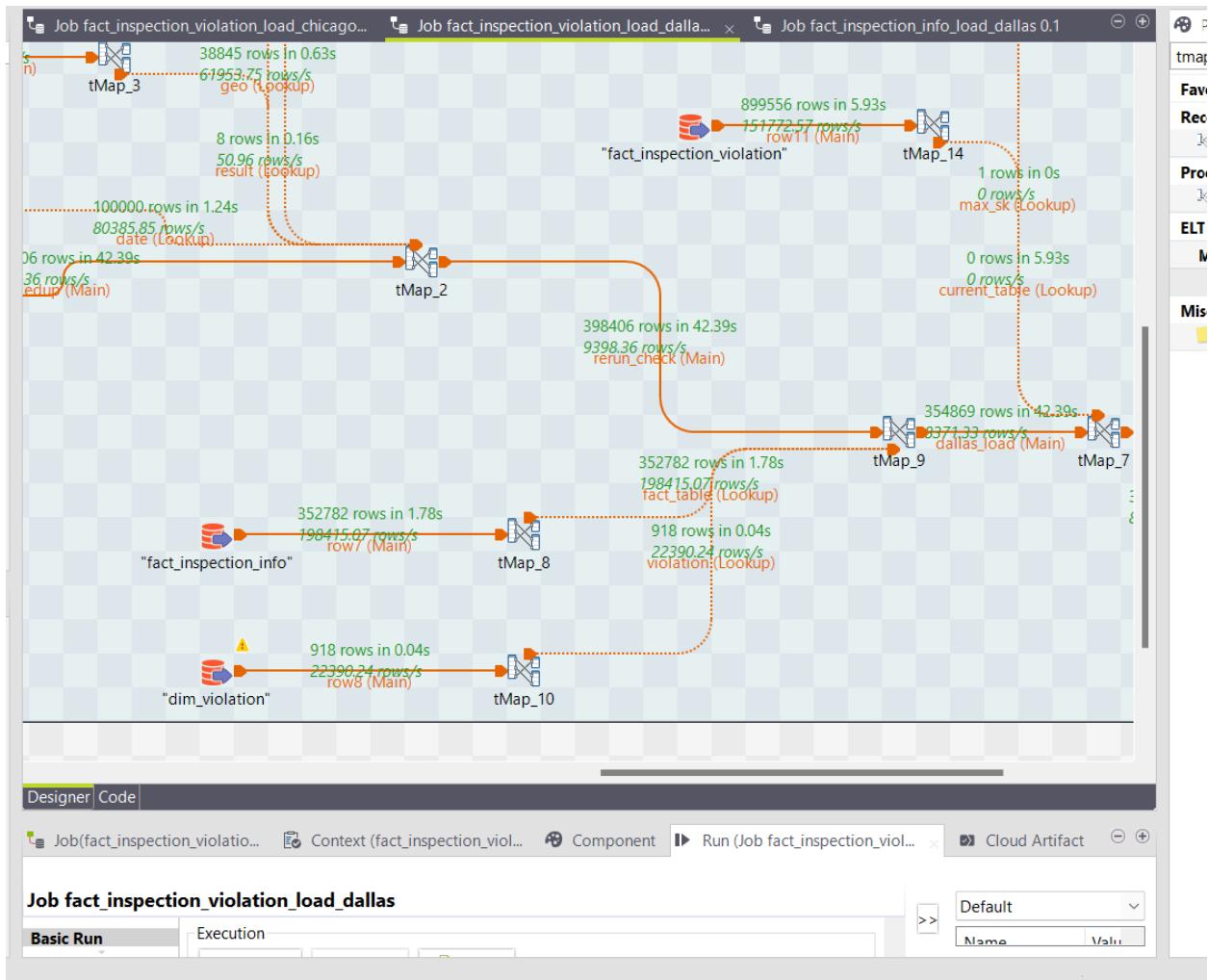
FACT INSPECTION VIOLATION:

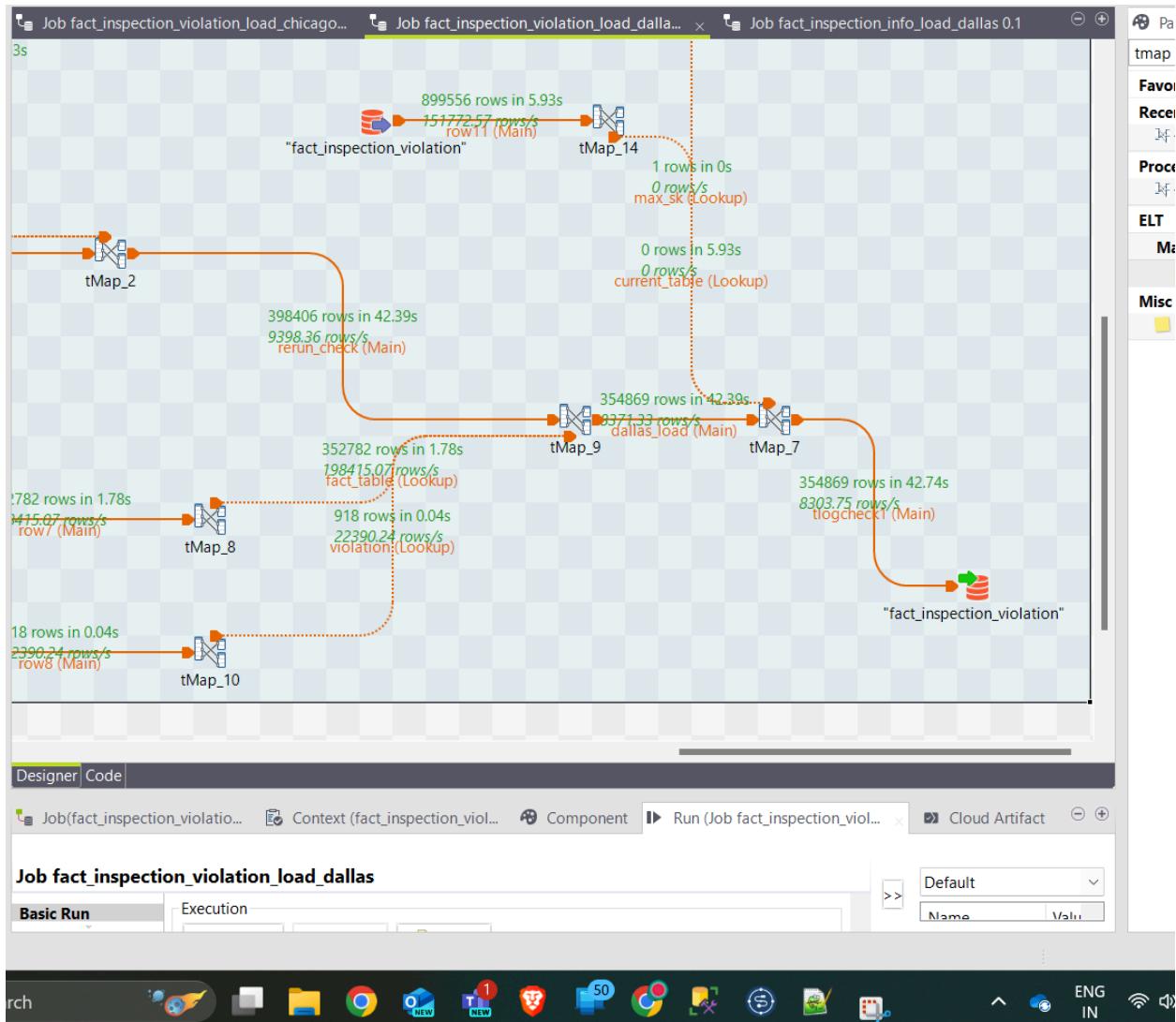












```
SELECT * FROM dbo.fact_inspection_violation  
where data_source_id=2;
```

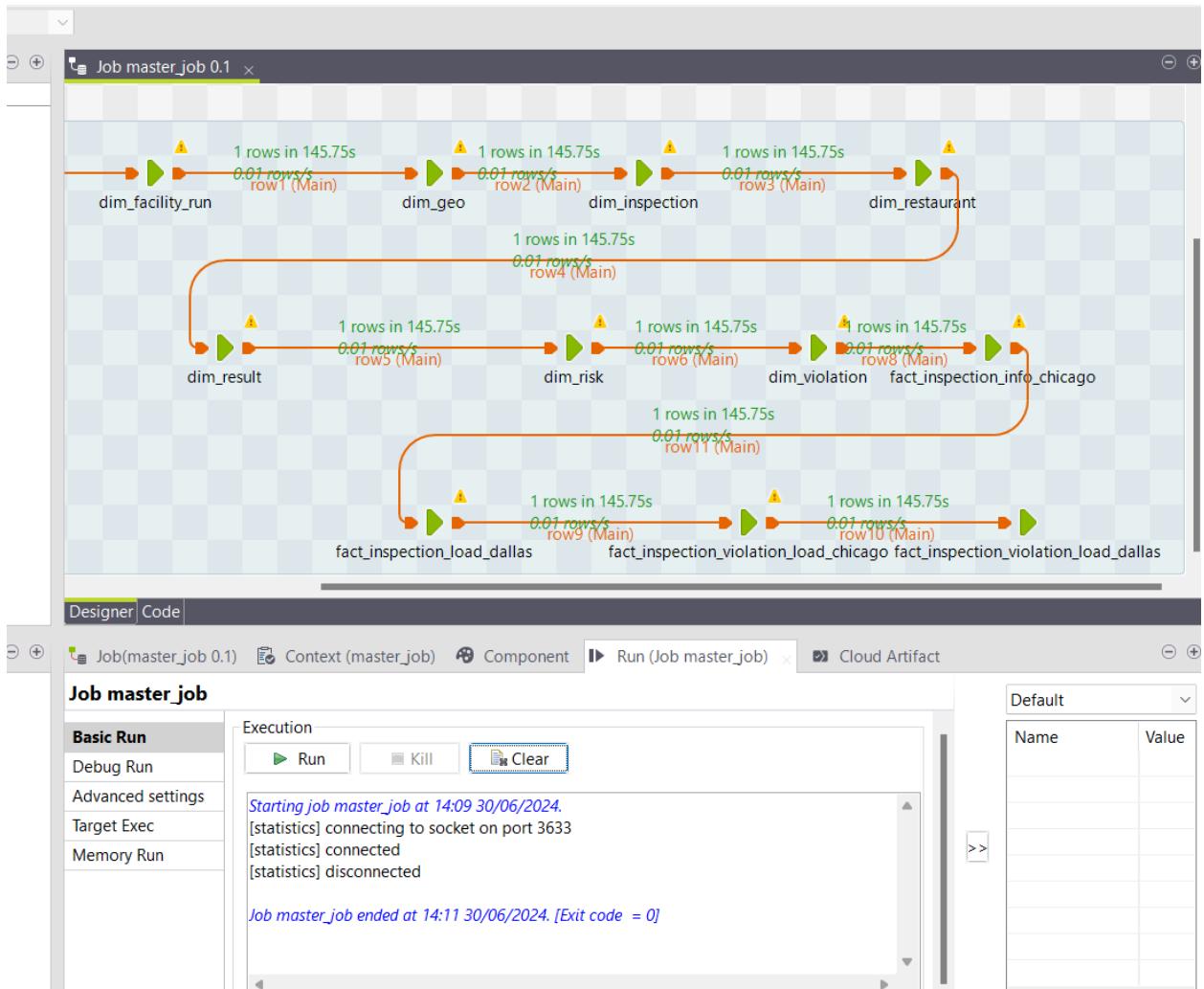
Results Messages

fact_inspectionViolation_id_sk	dimViolation_id_sk	fact_inspection_info_sk	Violation_comments	data_source_id	dw_load_job_id	dw_load_workflow_name
2698683	877	324993	PROVIDE FOR ALL	2	SPktko	fact_inspection_violator
2698704	405	310197	LABEL WHITE CONTAINERS WITH BULK FOOD.	2	SPktko	fact_inspection_violator
2698730	250	341978	N/A	2	SPktko	fact_inspection_violator
2698746	804	279892	APPLY FOR CHANGE OF OWNERSHIP - NEW OWNER 3-2063...	2	SPktko	fact_inspection_violator
2698765	519	333918	ICE SCOOP	2	SPktko	fact_inspection_violator
2698780	631	322506	N/A	2	SPktko	fact_inspection_violator
2698801	188	299835	CLEAN CAN OPENER	2	SPktko	fact_inspection_violator
2698822	477	329035	N/A	2	SPktko	fact_inspection_violator
2698842	321	306903	BLEACH TOO STRONG MORE THAN 200 PPM	2	SPktko	fact_inspection_violator
2698869	137	341914	BROKEN SEAL NEXT TO FRYERS.	2	SPktko	fact_inspection_violator
2698888	190	344996	OBSERVED ICES LAYER BUILD UP IN FREEZER	2	SPktko	fact_inspection_violator
2698905	600	298040	N/A	2	SPktko	fact_inspection_violator
2698927	757	321747	WET CLOTHS MUST BE HELD IN SANITIZER BETWEEN USE.	2	SPktko	fact_inspection_violator
2698969	146	334726	N/A	2	SPktko	fact_inspection_violator
2698985	369	284320	MOLDY STRAWBERRIES FOUND WIC	2	SPktko	fact_inspection_violator
2698990	400	326704	MISSING SIGNAGE ON 30 SINK. MUST BE HAVE WASH DINS	2	SPktko	fact_inspection_violator

Query executed successfully.

| 🔒 FLOKI (16.0 RTM) | DAMG7370 (57) | FoodInspection | 00:00:06 | 354,869 rows

Execution using Master Orchestration job:



Visualization:

Power BI:

Chicago and Dallas Food Inspection Dashboard

Count of inspection by Inspection type

Inspection type	Count
CANVASS	142K
ROUTINE	78K
LICENSE	37K
CANVASS RE-INSPPECT...	30K
COMPLAINT	26K
LICENSE RE-INSPPEC...	12K
COMPLAINT RE-INSPPEC...	1K
SHORT FORM COMPLAINT	8K
NON-INSPCTION	3K
SUSPECTED FOOD POLLUT...	1K
FOLLOW-UP	1K
CONSULTATION	1K

Count of Inspection Id

Count of Inspection Id by Result

Result	Count
PASS	218.73K
FAIL	53.61K
PASS W/ CONDITIONS	42.65K
OUT OF BUSINESS	23.04K
NO ENTRY	11.1K
NOT READY	3.54K
BUSINESS NOT LOCATED	0.09K
N/A	0.01K

Count of Inspection Id

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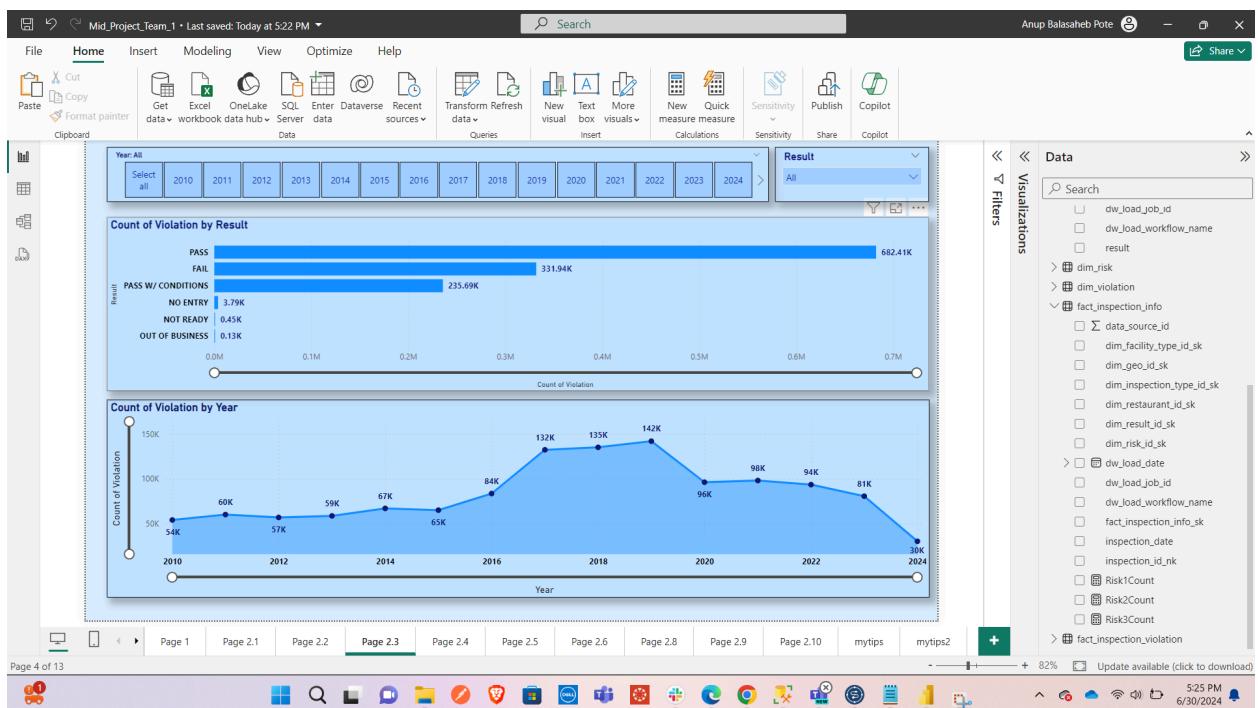
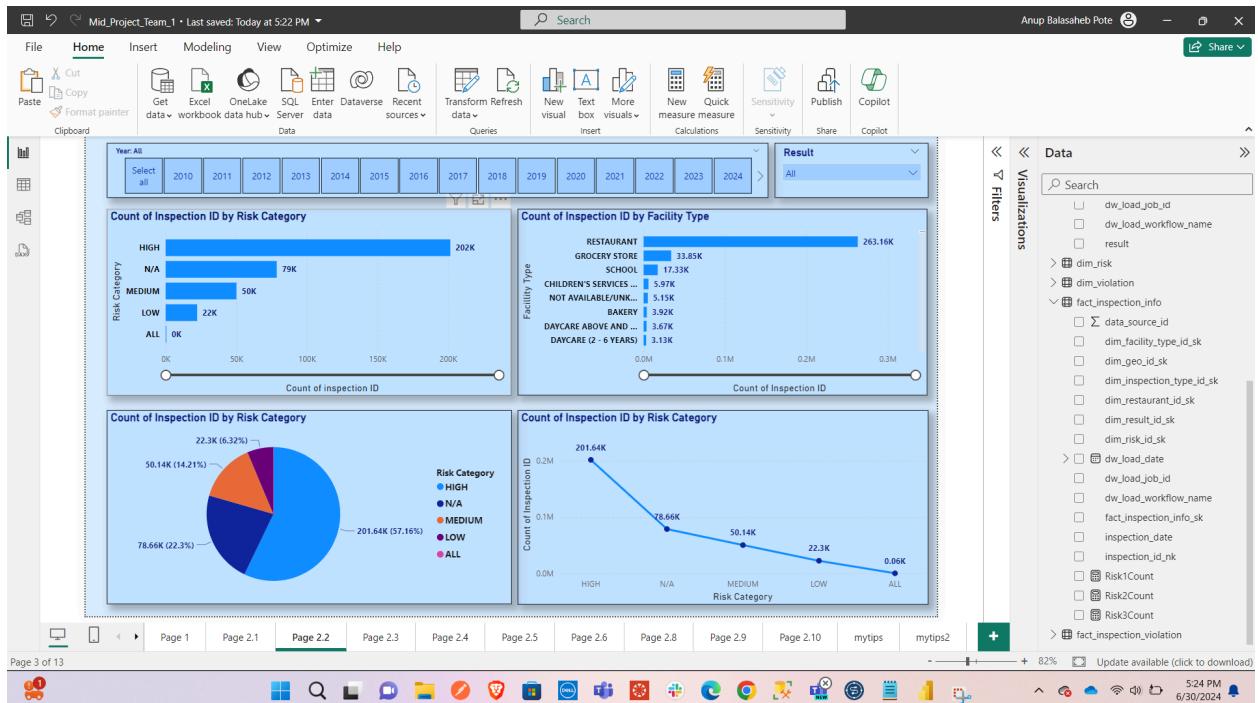
Count of inspection and Count of violation by Year and Quarter

Count of inspection ● Count of violation

Year	Count of inspection	Count of violation
2010	12K	4K
2011	15K	5K
2012	16K	4K
2013	19K	6K
2014	15K	5K
2015	17K	6K
2016	35K	9K
2017	31K	7K
2018	37K	7K
2019	38K	5K
2020	32K	6K
2021	20K	7K
2022	28K	7K
2023	27K	7K
2024	14K	4K

Year

Data



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Anup Balasaheb Pote

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Get data Excel OneLake SQL Server Data Recent sources Transform Refresh New visual Text box Insert More visuals Quick measure measure Calculations Sensitivity Publish Copilot

Year: All
Select all 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 > Result All

Count of Violation by Inspection Type

Inspection Type	Count of Violation
CANVASS	497.45K
ROUTINE	346.72K
COMPLAINT	135.99K
LICENSE	94.79K
CANVASS RE-INSPECTION	83.05K
COMPLAINT RE-INSPECTION	33.05K
SHORT FORM COMPLAINT	23.14K
LICENSE RE-INSPECTION	17.54K
FOLLOW-UP	7.95K

Count of Facility Type by Result

Result	Count	Percentage
PASS	408	29.42%
OUT OF BUSINESS	253	18.24%
PASS W/ CONDITIONS	204	15.92%
NO ENTRY	164	12.24%
BUSINESS NOT LOCATED	97	7.08%
N/A	83	5.98%

Count of Inspection Id by Violation Code

Violation Code	Count	Value
34	84.6K	84.6K
33	66.98K	66.98K
47	42.05K	42.05K
3	30.88K	30.88K
39	21.34K	21.34K
43	22.29K	22.29K
40	20.56K	20.56K
49	19.22K	19.22K
51	18.15K	18.15K
35	41.37K	41.37K
32	30.76K	30.76K
18	27.94K	27.94K
10	18.5K	18.5K
45	16.16K	16.16K
36	39.32K	39.32K
38	28.15K	28.15K
41	25.48K	25.48K
21	12.1K	12.1K
31	1.1K	1.1K
37	1.1K	1.1K
2	1.1K	1.1K
53	1.1K	1.1K

Page 1 Page 2.1 Page 2.2 Page 2.3 Page 2.4 Page 2.5 Page 2.6 Page 2.8 Page 2.9 Page 2.10 mytips mytips2 + 82% Update available (click to download) 5/25 PM 6/30/2024

Data Visualizations Filters

- Search
- dw_load_job_id
- dw_load_workflow_name
- result
- dim_risk
- dimViolation
- fact_inspection_info
 - Σ data_source_id
 - dim_facility_type_id_sk
 - dim_geo_id_sk
 - dim_inspection_type_id_sk
 - dim_result_id_sk
 - dim_risk_id_sk
- dw_load_date
- dw_load_job_id
- dw_load_workflow_name
- fact_inspection_info_sk
- inspection_date
- inspection_id_sk
- Risk1Count
- Risk2Count
- Risk3Count

> fact_inspection_violation

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Get data Excel OneLake SQL Server Data Recent sources Transform Refresh New Text box Insert More visuals New measure Quick measure Calculations Sensitivity Publish Copilot

Year: All Select all 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 > Result All

Count of inspection ID by Restaurant Name

Restaurant Name	Count of Inspection ID
SUBWAY	4.2K
DUNKIN DONUTS	2.0K
MCDONALD'S	1.1K
MCDONALDS	1.0K
CHIPOTLE MEXICAN GRILL	0.8K
7-ELEVEN	0.8K
WINGSTOP	0.5K
SUBWAY SANDWICHES	0.5K
BURGER KING	0.4K

Count of Violation by Restaurant Name

Restaurant Name	Count of Violation
SUBWAY	11.4K
DUNKIN DONUTS	5.8K
MCDONALD'S	3.3K
MCDONALDS	3.2K
7-ELEVEN	2.9K
WINGSTOP	2.0K
SUBWAY SANDWICHES	2.0K
CHIPOTLE MEXICAN GRILL	1.6K
KFC	1.5K

Page 1 Page 2.1 Page 2.2 Page 2.3 Page 2.4 Page 2.5 Page 2.6 Page 2.8 Page 2.9 Page 2.10 mytips mytips2

82% Update available (click to download)

5:25 PM 6/20/2024

Data

Search

dw_load_job_id dw_load_workflow_name result

dim_risk

dim_violation

fact_inspection_info

- dw_source_id
- dim_facility_type_id_sk
- dim_geo_id_sk
- dim_inspection_type_id_sk
- dim_result_id_sk
- dim_risk_id_sk

dw_load_date dw_load_job_id dw_load_workflow_name fact_inspection_info_sk inspection_date inspection_id_pk Risk1Count Risk2Count Risk3Count

fact_inspectionViolation

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File Home Insert Modeling View Optimize Help

Cut Copy Format painter Paste Get data Data Get workbook data hub OneLake SQL Server Data Transform Refresh data Recent sources Queries New visual Text box visuals More visual Insert Calculations New measure measure Sensitivity Share Publish Copilot Result All

Count of Inspection ID by Zip Code

Count of Inspection ID by State

Result All

Filters

Data

Search dw_load_job_id dw_load_workflow_name result dim_risk dim_violation fact_inspection_info fact_inspection_info_sk fact_inspection_violation

Visualizations

Page 7 of 13 82% 5:25 PM 6/30/2024

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File Home Insert Modeling View Optimize Help

Cut Copy Format painter Paste Get data Data Get workbook data hub OneLake SQL Server Data Transform Refresh data Recent sources Queries New visual Text box visuals More visual Insert Calculations New measure measure Sensitivity Share Publish Copilot Result All

Count of Result by Inspection Type

Inspection Type	Count of Result
CANVASS	7
COMPLAINT	7
CONSULTATION	7
LICENSE	7
NON-INSPECTION	7
SHORT FORM COMPLAINT	7
CANVASS RE-INSPECTION	6
COMPLAINT RE-INSPECTION	6
LICENSE RE-INSPECTION	6

Count of Result by Facility Type

Facility Type	Count of Result
RESTAURANT	8
BAKERY	7
CHILDREN'S SERVICES FACILITY	7
DAYCARE (2 - 6 YEARS)	7
DAYCARE ABOVE AND UNDER 2 YEARS	7
GOLDEN DINER	7
GROCERY STORE	7
HOSPITAL	8

Result All

Filters

Data

Search dw_load_job_id dw_load_workflow_name result dim_risk dim_violation fact_inspection_info fact_inspection_info_sk fact_inspection_violation

Visualizations

Page 8 of 13 82% 5:26 PM 6/30/2024

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Business Inspected

Restaurant Name (DBA)	Also Known As (AKA)	Inspection ID	Licence Number	State	Result
ZYMI BAKERY INC	ZYMI BAKERY	2545975	2827107	IL	FAIL
ZYMI BAKERY INC	ZYMI BAKERY	2588598	2827107	IL	FAIL
ZYMI BAKERY INC	ZYMI BAKERY	2546230	2827107	IL	PASS
ZYMI BAKERY INC	ZYMI BAKERY	2573096	2827107	IL	PASS
ZYMI BAKERY INC	ZYMI BAKERY	2589018	2827107	IL	PASS W/ CONDITIONS
ZYGYZ GRILL	ZYGYZ GRILL	585594	1991900	IL	OUT OF BUSINESS
ZUZU WRAPS INC	ZUZU WRAPS	1098968	2256140	IL	FAIL
ZUZU WRAPS INC	ZUZU WRAPS	1460179	2256140	IL	OUT OF BUSINESS
ZUZU WRAPS INC	ZUZU WRAPS	1099029	2256140	IL	PASS
ZUZU WRAPS INC	ZUZU WRAPS	1376090	2256140	IL	PASS
ZUZU WRAPS INC	ZUZU WRAPS	1460023	2256140	IL	PASS W/ CONDITIONS
ZU'S QUICK MART	ZU'S QUICK MART	176289	2020878	IL	FAIL
ZU'S QUICK MART	ZU'S QUICK MART	1764688	2020878	IL	PASS
ZULLO'S MARKETS, LLC	ZULLO'S MARKET	229233	2016915	IL	FAIL
ZULLO'S MARKETS, LLC	ZULLO'S MARKET	229261	2016915	IL	PASS
ZULLO'S MARKETS, LLC	ZULLO'S MARKET	229395	2016915	IL	PASS
ZULLO'S MARKETS, LLC	ZULLO'S MARKET	229501	2016915	IL	PASS
ZULLO'S INC.	ZULLO'S	1170258	2017431	IL	FAIL
ZULLO'S INC.	ZULLO'S	1206249	2017431	IL	FAIL
ZULLO'S INC.	ZULLO'S	2300541	2017431	IL	FAIL
ZULLO'S INC.	ZULLO'S	2357040	2017431	IL	FAIL
ZULLO'S INC.	ZULLO'S	2583253	2017431	IL	FAIL
ZULLO'S INC.	ZULLO'S	58298	2017431	IL	FAIL
ZULLO'S INC.	ZULLO'S	2592026	2017431	IL	NO ENTRY

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Inspection Report

Restaurant Name (DBA)	Also Known As (AKA)	Inspection ID	Licence Num	City	Risk Category	Risk Type	Result	Violation Comment
ZYMI BAKERY INC	ZYMI BAKERY	2545975	2827107	CHICAGO	HIGH	RISK 1	FAIL	ACCUMULATED DEBRIS IN MOTOR HOUSING OF ROTATING BREAD OVEN
ZYMI BAKERY INC	ZYMI BAKERY	2588598	2827107	CHICAGO	HIGH	RISK 1	FAIL	FOOD CONTAINERS STORED ON FLOOR IN PREP, STORAGE AND WALK THRU AREAS
ZYMI BAKERY INC	ZYMI BAKERY	2545975	2827107	CHICAGO	HIGH	RISK 1	FAIL	FOUND PADDLES STORED ON FLOOR NEXT TO OVENS. MUST STORE IN A CLEAN AREA
ZYMI BAKERY INC	ZYMI BAKERY	2588598	2827107	CHICAGO	HIGH	RISK 1	FAIL	INSTRUCTED TO CLEAN, SANITIZE AND MAINTAIN FLOORS ALONG WITH EQUIPMENT
ZYMI BAKERY INC	ZYMI BAKER	2545975	2827107	CHICAGO	HIGH	RISK 1	FAIL	NO CHLORINE TEST KIT. MUST PROVIDE TEST KIT FOR SANITIZER USED
ZYMI BAKERY INC	ZYMI BAKER	2545975	2827107	CHICAGO	HIGH	RISK 1	FAIL	NO HOT RUNNING WATER AT EMPLOYEE WASHROOM. MUST RESTORE HOT WATER
ZYMI BAKERY INC	ZYMI BAKER	2588598	2827107	CHICAGO	HIGH	RISK 1	FAIL	NOTED ASSORTED FOOD ITEMS INSIDE COOLERS AND REFRIGERATION CONTAINERS.
ZYMI BAKERY INC	ZYMI BAKER	2588598	2827107	CHICAGO	HIGH	RISK 1	FAIL	NOTED ICE BUILD UP INSIDE THE WALK IN FREEZER ON THE FLOOR AND ON THE DOOR
ZYMI BAKERY INC	ZYMI BAKER	2588598	2827107	CHICAGO	HIGH	RISK 1	FAIL	NOTED LEAKAGE AT THE BOTTOM PIPE UNDERNEATH THE 3 COMPARTMENT WALK-IN COOLER
ZYMI BAKERY INC	ZYMI BAKER	2588598	2827107	CHICAGO	HIGH	RISK 1	FAIL	NOTED OVER 50 MICE DROPPINGS ALONG WALL AND UNDERNEATH THE 3 COMPARTMENT WALK-IN COOLER
ZYMI BAKERY INC	ZYMI BAKER	2545975	2827107	CHICAGO	HIGH	RISK 1	FAIL	OVER-SIZED EQUIPMENT ON SITE. MIXING BOWLS. MUST PROVIDE WASTE WATER BACKING UP ON THE FLOOR DRAIN AT THE FRIDGE
ZYMI BAKERY INC	ZYMI BAKER	2545975	2827107	CHICAGO	HIGH	RISK 1	FAIL	UNUSED DISPLAY COOLER IN REAR OF PREMISES. MUST REMOVE AND DISPOSE
ZYMI BAKERY INC	ZYMI BAKER	2545975	2827107	CHICAGO	HIGH	RISK 1	FAIL	WALK-IN COOLER TEMPERATURE RANGES FROM 43.7 TO 46.0F. UNIT 1
ZYMI BAKERY INC	ZYMI BAKER	2573096	2827107	CHICAGO	HIGH	RISK 1	PASS	FOUND FOOD HANDLERS WITH NO FOOD HANDLING CERTIFICATES. MUST PROVIDE
ZYMI BAKERY INC	ZYMI BAKER	2546230	2827107	CHICAGO	HIGH	RISK 1	PASS	FOUND NO BACKFLOW PREVENTION DEVICES AT ESPRESSO MACHINE
ZYMI BAKERY INC	ZYMI BAKER	2546230	2827107	CHICAGO	HIGH	RISK 1	PASS	OVER-SIZED EQUIPMENT ON SITE. MIXING BOWLS. MUST PROVIDE WASTE WATER BACKING UP ON THE FLOOR DRAIN AT THE FRIDGE
ZYMI BAKERY INC	ZYMI BAKER	2589018	2827107	CHICAGO	HIGH	RISK 1	PASS W/ CONDITIONS	WOOD AND WOOD WICKER BASKETS ON SHELF FOR RAISING DOUGH. MUST REMOVE BASKETS.
ZYMI BAKERY INC	ZYMI BAKER	2589018	2827107	CHICAGO	HIGH	RISK 1	PASS W/ CONDITIONS	3-305.11.**C* FOOD STORAGE-PREVENTING CONTAMINATION FROM TO STORE FOOD CONTAINERS 6' OFF FLOOR.
ZYMI BAKERY INC	ZYMI BAKER	2589018	2827107	CHICAGO	HIGH	RISK 1	PASS W/ CONDITIONS	4-501.11: NOTED ICE BUILD UP INSIDE THE WALK IN FREEZER ON THE FLOOR AND ON THE DOOR
ZYMI BAKERY INC	ZYMI BAKER	2589018	2827107	CHICAGO	HIGH	RISK 1	PASS W/ CONDITIONS	5-205.15: NOTED LEAKAGE AT THE BOTTOM PIPE UNDERNEATH THE 3 COMPARTMENT WALK-IN COOLER
ZYMI BAKERY INC	ZYMI BAKER	2589018	2827107	CHICAGO	HIGH	RISK 1	PASS W/ CONDITIONS	NOTED WASTE WATER BACKING UP ON THE FLOOR DRAIN AT THE FRIDGE

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