

Midterm Team Project

Food Establishment Inspection in Chicago and Dallas

Group 6

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1. Introduction

1.1. Project Overview

The Food Inspection Assignment involves the analysis of food inspection data in the cities of Dallas and Chicago from the Restaurant and Food Establishment Inspections and Food Inspections Health & Human Services respectively. This documentation provides a comprehensive overview of the project's key components, data sources, and deliverables.

This project involves the flat file data download. Staging the data using Alteryx and performing the data profiling for the same. Cleaning the data using Talend and carrying out the dimensional modeling, dimensional loading, and fact loading operations. Performing the visualizations from all the dimensions and facts.

1.2. Data Source Description

Chicago -

This information is derived from inspections of restaurants and other food establishments in Chicago from January 1, 2010, to the present provided by the City of Chicago. Inspections are performed by staff from the Chicago Department of Public Health's Food Protection Program using a standardized procedure.

Dallas –

This data set is intended to communicate the name of the establishment, the physical location of the establishment, the date the inspection was conducted, the overall score for the inspection, and the point deduction for the individual violations, and the data is provided by the Code Compliance Services Department, Consumer Health Division.

2.Understanding the Data

2.1 Schema Examination

Chicago Dataset Column names and it's datatypes

Column Name	Datatype
Inspection ID	Number
DBA Name	Text
AKA Name	Text
License #	Number
Facility Type	Text
Risk	Text
Address	Text
City	Text
State	Text
Zip	Number
Inspection Type	Text
Results	Text
Violations	Text
Latitude	Number
Longitude	Number
Location	Location
Inspection Date	Date and time

Dallas Dataset Column names and its datatypes

Column Name	Datatype
Restaurant Name	Text
Inspection Type	Text
Inspection Score	Number
Street Number	Number
Street Name	Text
Street Direction	Text
Street Type	Text
Street Unit	Text
Street Address	Text
Zip Code	Text
Violation Description - 1	Text
Violation Points - 1	Number
Violation Detail - 1	Text
Violation Memo - 1	Text
Violation Description - 2	Text
Violation Points - 2	Number
Violation Detail - 2	Text
Violation Memo - 2	Text
Violation Description - 3	Text
Violation Points - 3	Number

Violation Detail - 3	Text
Violation Memo - 3	Text
Violation Description - 4	Text
Violation Points - 4	Number
Violation Detail - 4	Text
Violation Memo - 4	Text
Violation Description - 5	Text
Violation Points - 5	Number
Violation Detail - 5	Text
Violation Memo - 5	Text
Violation Description - 6	Text
Violation Points - 6	Number
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Violation Memo - 6	Text
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Violation Points - 7	Number
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Violation Points - 24	Number
Violation Detail - 24	Text
Violation Memo - 24	Text
Violation Description - 25	Text
Violation Points - 25	Number
Violation Detail - 25	Text
Violation Memo - 25	Text
Inspection Month	Text
Inspection Year	Text
Lat Long Location	Location
Inspection Date	Date and Time

2.2 Data Quality Assessment

Chicago Data Set: Attribute Summary

22 of 22 Fields | Cell Viewer | 17 records displayed, 8,927 bytes | ↑ ↓ | Search

Record	Name	Field Category	Min	Max	Median	Std. Dev.	Percent Missing	Unique Values	Mean	Layout
1	AKA Name	String	[Null]	[Null]	[Null]	[Null]	0.924379	30615	[Null]	[Null]
2	Longitude	String	[Null]	[Null]	[Null]	[Null]	0.345007	18211	[Null]	[Null]
3	Address	String	[Null]	[Null]	[Null]	[Null]	0	19639	[Null]	[Null]
4	State	String	[Null]	[Null]	[Null]	[Null]	0.022054	6	[Null]	[Null]
5	DBA Name	String	[Null]	[Null]	[Null]	[Null]	0	32165	[Null]	[Null]
6	Inspection ID	String	[Null]	[Null]	[Null]	[Null]	0	267531	[Null]	[Null]
7	License #	String	[Null]	[Null]	[Null]	[Null]	0.006728	44504	[Null]	[Null]
8	Latitude	String	[Null]	[Null]	[Null]	[Null]	0.345007	18211	[Null]	[Null]
9	City	String	[Null]	[Null]	[Null]	[Null]	0.06018	79	[Null]	[Null]
10	Violations	String	[Null]	[Null]	[Null]	[Null]	27.413646	191288	[Null]	[Null]
11	Risk	String	[Null]	[Null]	[Null]	[Null]	0.030277	5	[Null]	[Null]
12	Location	String	[Null]	[Null]	[Null]	[Null]	0.345007	18211	[Null]	[Null]
13	Inspection Type	String	[Null]	[Null]	[Null]	[Null]	0.000374	111	[Null]	[Null]
14	Facility Type	String	[Null]	[Null]	[Null]	[Null]	1.911928	514	[Null]	[Null]
15	Zip	String	[Null]	[Null]	[Null]	[Null]	0.018316	122	[Null]	[Null]
16	Results	String	[Null]	[Null]	[Null]	[Null]	0	7	[Null]	[Null]
17	Inspection Date	Date Time	[Null]	[Null]	[Null]	[Null]	0	3562	[Null]	[Null]

Results - Browse (5) - Input

22 of 22 Fields | Cell Viewer | 17 records displayed, 8,927 bytes | ↑ ↓ | Search | Data | Metadata | Actions 000

Record	Remarks	Shortest_Value
1	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	BP
2	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	-87.669464645
3	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	
4	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	IL
5	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	N
6	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	70306
7	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	0
8	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	41.786130727
9	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	alsip
10	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	63. REMOVAL OF SUSPENSION SIGN
11	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	All
12	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	(41.9960984214, -87.7868769104594)
13	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	SFP
14	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	SPA
15	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	60616
16	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	Fall
17	[Null]	[Null]

Results - Browse (5) - Input

22 of 22 Fields | Cell Viewer | 17 records displayed, 8,927 bytes | ↑ ↓ | Search | Data | Metadata | Actions 000

Record	Longest_Value	MinValueCount	MaxValueCount	Latest Date	Earliest Date	Interval	ObjType	Avg_AreaSqMi	Avg_Leng
1	MAE'S EARLY CHILDHOOD DEVELOPMENT AND...	1	4370	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
2	48.64172615535112	1	3291	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
3	1400 S JEAN BAPTISTE POINTE DUSABLE LAKESH...	1	3273	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
4	IL	1	267461	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
5	MAE'S EARLY CHILDHOOD DEVELOPMENT AND...	1	3552	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
6	2523324	1	1	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
7	1300143	1	690	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
8	41.933535705306504	1	3291	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
9	BANNICKBURNDERFIELD	1	266472	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
10	2. FACILITIES TO MAINTAIN PROPER TEMPERATU...	1	73340	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
11	Risk 2 (Medium)	52	196048	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
12	4,-87.7868769104594)	1	3291	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
13	LICENSE TASK FORCE / NOT FOR PROFIT CLUB	1	139061	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
14	Mobile Frozen Dessert Dispenser_non Motorized.	1	179811	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
15	60616	1	9854	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
16	Business Not Located	86	137733	[Null]	[Null]	02/09/2024 00:00	01/04/2010 00:00	Unknown	[Null]
17	[Null]	[Null]	[Null]						

Chicago Data Set: Attribute Summary Report:

Record Report

1

Date Fields

Name	% Missing	Unique Values	Latest Date	Earliest Date	Interval	Remarks
Inspection_Date	0.0%	3,562	02/09/2024 00:00	01/04/2010 00:00	Unknown	

2

String/Character Fields

Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks
AKA Name	0.9%	30,615	BP	MAE'S EARLY CHILDHOOD DEVELOPMENT AND THERAPEUTIC DAY CARE CENTER, INCORPORATED	1	4,370	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Longitude	0.3%	18,211	-87.669464645	-87.64172615535112	1	3,291	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Address	0.0%	19,639		1400 S JEAN BAPTISTE POINTE DUSABLE LAKESHORE DRIVE	1	3,273	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
State	0.0%	6	IL	IL	1	267,461	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
DBA Name	0.0%	32,165	N	MAE'S EARLY CHILDHOOD DEVELOPMENT AND THERAPEUTIC DAY CARE CENTER, INCORPORATED	1	3,552	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Inspection ID	0.0%	267,531	70306	2523324	1	1	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
License #	0.0%	44,504	0	1300143	1	690	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
					1	3,291	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.

Latitude	0.3%	18,211	41.786130727	41.933535705306504
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Record	Report	Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks
		City	0.1%	79	alsip	BANNOCKBURNDEERFIELD	1	266,472	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
		Violations	27.4%	191,288	63. REMOVAL OF SUSPENSION SIGN	2. FACILITIES TO MAINTAIN PROPER TEMPERATURE - Comments: All food establishments that display, prepare, or store potentially hazardous food shall have adequate refrigerated food storage facilities. FOUND WALK IN COOLER STORING POTENTIALLY HAZARDOUS FOODS (ICE CREAM MIX) IN PUDGE'S ALL-STAR (STAND #538)/SWEET SPOT AT IMPROPER TEMPERATURES RANGING FROM 45.0F-46.2F. INSTRUCTED TO KEEP COLD TEMPERATURE AT 40F AND BELOW AT ALL TIMES. WALK IN COOLER WAS REPAIRED DURING INSPECTION, HELD FOR INSPECTION TAG REMOVED FROM UNIT, AMBIENT AIR TEMPERATURE AT 39.0F AT THIS TIME. REACH IN COOLER AT 50.5F AT SOUTH SIDE HITMEN GRILL (STAND #140). HELD FOR INSPECTION TAG PLACED ON SAID COOLER AT THIS TIME. FAX LETTER FOR TAG REMOVAL WHEN UNIT MAINTAINS TEMPERATURE AT 40F AND BELOW. CRITICAL VIOLATION 7-38-005(A) ISSUED. 3. POTENTIALLY HAZARDOUS FOOD MEETS TEMPERATURE REQUIREMENT DURING STORAGE, PREPARATION DISPLAY AND SERVICE - Comments: All hot food shall be stored at a temperature of 140F or higher. All cold food shall be stored at a temperature of 40F or less. FOUND POTENTIALLY HAZARDOUS FOODS AT IMPROPER TEMPERATURES: 5LBS OF SLICED TOMATOES AT 55.0F, 2LBS OF READY TO EAT CHEESE SLICES AT 62.4F AT TOP COMPARTMENT OF PREP COOLER AT GO GO SOX GRILL/MINNIE MINOSO'S ALL-STAR (STAND #122),	1	73,340	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.

Record	Report	Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks		
						5LBS OF ITALIAN BEEF INSIDE UPRIGHT REFRIGERATOR AT 48.3F AT SOUTH SIDE HITMEN (STAND #544), FOUND 1 CHICKEN QUESADILLA AT 129.7F AT TRIPLE PLAY CAFE (STAND #110) PREPARED FROM MAIN COMMISSARY, 75 READY TO EAT CHEESE, HAM, SHREDDED PORK CUBAN SANDWICHES AT 48.5F- 50.1F INSIDE REAR WALK IN COOLER AND 26 INDIVIDUAL CONTAINERS OF NACHO CHEESE AT 124.5F-128.1F INSIDE PRETZEL HOT HOLDING UNIT AT FRONT PREP AREA AT OZZIE AND HAROLD'S ALL-STAR (STAND #152), 5LBS OF HOT DOGS AND POLISH SAUSAGE AT 110.7F-112.5F AT SHERM LOLLAR'S GRILL (STAND #524), 2LBS OF READY TO EAT INDIVIDUAL CONTAINERS OF NACHO CHEESE AT 101.1F AT BAR #10 KIOSK (SECTION #548), 25 READY TO EAT HOT DOGS AT 46.4F-47.3F AT BILLY PIERCE'S ALL- STAR (STAND #130), 4LBS OF SLICED TOMATOES AT 48.0F, 10LBS OF NACHO CHEESE AT 121.0F-129.9F AT ROTUNDA (STAND #260), 200LBS OF ICE CREAM MIX AT 45.4F-48.2F INSIDE WALK IN COOLER AT PUDGE'S ALL- STAR/SWEET SPOT (STAND #538), 10LBS OF READY TO EAT CHEESE AT 46.0F- 48.2F AT SOUTH SIDE HITMEN GRILL (STAND #140). NO TIME/TEMPERATURE LOGS PROVIDED FOR ABOVE FOOD ITEMS. INSTRUCTED TO MAINTAIN HOT FOODS AT 140F AND ABOVE AND COLD FOODS AT 40F AND BELOW. MANAGERS VOLUNTARILY DISCARDED SAID FOOD ITEMS, APPROXIMATE VAULE \$357.00. CRITICAL VIOLATION 7-38-005(A) ISSUED. 11. ADEQUATE NUMBER, CONVENIENT, ACCESSIBLE, DESIGNED, AND MAINTAINED - Comments: FOUND REAR HAND WASH SINK OBSTRUCTED BY REFRIGERATOR AT GO GO SOX GRILL/MINNIE					

Record	Report	Name	% Missing	Unique Values		Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks	
				Unique Values	Shortest Value						
						MINOSO'S ALL-STAR (STAND #122), INSTRUCTED TO RELOCATE REFRIGERATOR TO MAKE HAND WASH SINK ACCESSIBLE FOR FOOD HANDLERS TO WASH HANDS PER CITY CODE. MANAGER MOVED REFRIGERATOR FROM BLOCKING HAND WASH SINK AT THIS TIME. CRITICAL VIOLATION 7-38- 030 ISSUED. 12. HAND WASHING FACILITIES: WITH SOAP AND SANITARY HAND DRYING DEVICES, CONVENIENT AND ACCESSIBLE TO FOOD PREP AREA - Comments: FOUND NO PAPER TOWELS AT FRONT HAND WASH SINK AT GO GO SOX GRILL/ MINNIE MINOSO'S ALL- STAR (STAND #122) NOR AT FRONT HAND WASH SINK AT SOUTH SIDE HITMEN (STAND #544). INSTRUCTED TO PROVIDE PAPER TOWELS AT HAND WASH SINKS AT ALL TIMES. CRITICAL VIOLATION 7-38-030 ISSUED. 26. ADEQUATE NUMBER, CONVENIENT, ACCESSIBLE, PROPERLY DESIGNED AND INSTALLED - Comments: FOUND NO HOT NOR TEMPERED WATER AT WASHBOWLS IN WOMENS AND MENS TOILET ROOMS IN FRONT OF SECTION #516 AND NEAR SECTION #540. INSTRUCTED TO PROVIDE HOT AND OR TEMPERED WATER AT WASHBOWLS AT SAID WASHBOWLS AT ALL TIMES. SERIOUS VIOLATION 7-38-030 ISSUED. 30. FOOD IN ORIGINAL CONTAINER, PROPERLY LABELED: CUSTOMER ADVISORY POSTED AS NEEDED - Comments: All food not stored in the original container shall be stored in properly labeled containers. INSTRUCTED TO LABEL AND DATE PREPARED CHICKEN QUESADILLAS FOUND AT TRIPLE PLAY CAFE (STAND #110). 31. CLEAN MULTI-USE UTENSILS AND SINGLE SERVICE ARTICLES PROPERLY STORED: NO REUSE OF SINGLE SERVICE ARTICLES - Comments:					

Record	Report							
	Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks
					Containers and utensils shall be inverted, covered, or otherwise protected from contamination until used. INSTRUCTED TO INVERT FOOD CONTAINERS AT THE FOLLOWING: COMISKEY DOGS (STAND #105), LITTLE LOUIE'S ALL-STAR (STAND #529), WINNING UGLY IS SWEET (STAND #144), AND LARUSSA'S CORNER (STAND #154), 32. FOOD AND NON-FOOD CONTACT SURFACES PROPERLY DESIGNED, CONSTRUCTED AND MAINTAINED - Comments: REPAIR LOOSE HANDLE AT PEPSI COOLER AT MOOSE'S DOGS AND POLISH/HOT DOG #10 KIOSK(SECTION 538). REMOVE MILK CRATES BEING USED TO ELEVATE STOCK ITEMS INSIDE WALK IN COOLER IN SOUTH SIDE HITMEN (STAND #544), INSTRUCTED TO REPLACE WITH ADEQUATE SHELVING/RACKS. DEFROST CHEST FREEZERS IN SOUTH SIDE HITMEN (STAND #544) AND B FOOD COMMISSARY (#534) TO REMOVE HEAVY ICE BUILDUP. REPAIR GASKETS AT UNDER COUNTER COOLER DOOR AND REMOVE RUST DEPOSITS AT INTERIOR PANEL OF ICE MACHINE AT PUDGE'S ALL-STAR/SWEET SPOT (STAND #538). REPLACE WORN GASKETS AT UNDER COUNTER COOLER DOOR AT SOUTH SIDE HITMEN GRILL (STAND #140). 33. FOOD AND NON-FOOD CONTACT EQUIPMENT UTENSILS CLEAN, FREE OF ABRASIVE DETERGENTS - Comments: All food and non-food contact surfaces of equipment and all food storage utensils shall be thoroughly cleaned and sanitized daily. CLEAN INTERIOR PANEL AT CORNERS AND EXTERIOR OF ICE MACHINE AT B FOOD COMMISSARY (#534). CLEAN INSIDE ICE MACHINE AT CORNERS AT OZZIE AND HAROLD'S ALL-STAR (STAND #152). DE-LIME AND CLEAN INTERIOR OF ICE MACHINE AT NELLIE'S PIVOT POINT (STAND #124). CLEAN TOP			

Record	Report	Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks		
						OF MIXED DRINK MACHINES IN FROZEN ZONE SANTA CANTINA (STAND #164). CLEAN INTERIOR OF ICE MACHINE AT BILLY PIERCE'S ALL- STAR (STAND #130). CLEAN EXTERIOR OF GREASE TRAP TO REMOVE GREASE AT MINNIE'S ALL- STAR/LOPEZ PIZZA (STAND #522). CLEAN ICE CHUTE, DE-LIME INTERIOR OF ICE MACHINE, CLEAN RACKS AT CONDIMENT STAND, AND CLEAN HOT CHOCOLATE THERMOS AT MINNIE'S ALL-STAR/LOPEZ PIZZA (STAND #522). CLEAN INTERIOR OF REACH IN FREEZER AT DIPPIN DOTS #2 KIOSK (SECTION #520). DETAIL CLEAN INTERIOR TOP PANEL OF ICE MACHINE (UNUSED AT THIS TIME) TO REMOVE DIRT/MOLD AT ROTUNDA (STAND #260). DETAIL CLEAN INTERIOR OF FRYERS AT SOUTH SIDE HITMEN GRILL (STAND #140). 34. FLOORS: CONSTRUCTED PER CODE, CLEANED, GOOD REPAIR, COVING INSTALLED, DUST- LESS CLEANING METHODS USED - Comments: The floors shall be constructed per code, be smooth and easily cleaned, and be kept clean and in good repair. CLEAN FRONT FLOOR AT TRIPLE PLAY CAFE (STAND #110). INSTRUCTED TO ADJUST FLOOR DRAIN COVER TO LEVEL WITH FLOOR AT FIRST BASE FOOD COMMISSARY (#123). DIRTY FLOOR MATS WITH STICKY RESIDUE AT TEX MEX KIOSK (SECTION #526) AND AT MELTON'S DOGS AND POLISH/HOT DOG #12 KIOSK (SECTION #524). INSTRUCTED TO CLEAN AND MAINTAIN SAME. CLEAN FLOORS INSIDE WALK IN COOLER AND UNDER THREE COMPARTMENT SINK TO REMOVE DIRT, DEBRIS, AND WATER AT OZZIE AND HAROLD'S ALL-STAR (STAND #152). CLEAN FLOORS IN COMISKEY DOGS (STAND #105). CLEAN FLOORS AROUND DISH WASHING AREA AT WINNING UGLY IS SWEET					

Record	Report	Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks	
						(STAND #144). CLEAN FLOOR ALONG WALL BASE IN FRONT OF SODA MACHINE AT BILLY PIERCE'S ALL-STAR (STAND #130). CLEAN FLOORS ALONG WALL BASE IN MINNIE'S ALL-STAR/LOPEZ PIZZA (STAND #522). CLEAN FLOORS AND REMOVE FOOD DEBRIS ALONG WALLS AT PUDGES ALL-STAR/SWEET SPOT (STAND #538). CLEAN FLOORS BEHIND REACH IN COOLERS AT KITTLE'S BRATS AND SAUSAGE/BRAT #4 KIOSK (SECTION #534). DETAIL CLEAN FLOORS UNDER COOKING EQUIPMENT TO REMOVE FOOD DEBRIS AT SOUTH SIDE HITMEN GRILL (STAND #140). 35. WALLS, CEILINGS, ATTACHED EQUIPMENT CONSTRUCTED PER CODE: GOOD REPAIR, SURFACES CLEAN AND DUST-LESS CLEANING METHODS - Comments: The walls and ceilings shall be in good repair and easily cleaned. CLEAN FAN GUARDS INSIDE WALK IN COOLER AT GO GO SOX GRILL/MINNIE MINOSO'S ALL-STAR (STAND #122). CLEAN FAN GUARDS INSIDE BEER COOLER AT NELLIE'S PIVOT POINT (STAND #124). CLEAN FAN GUARD INSIDE REFRIGERATOR IN NACHO #9 KIOSK (SECTION #535). REMOVE LOOSE CAULK HANGING FROM VENTILATION HOOD AT SOUTH SIDE HITMEN (STAND #544). CLEAN OVERHEAD VENT ABOVE CHEST FREEZER TO REMOVE DUST BUILDUP AT B FOOD COMMISSARY (#534). SEAL EXPOSED INSULATION AT SIDES AND CEILING INSIDE WALK IN COOLER IN B FOOD COMMISSARY (#534). REPLACE WATER DAMAGED COVER AT PIPING BY REAR WALK IN COOLER AT OZZIE AND HAROLD'S ALL-STAR (STAND #152). MISSING WALL TILES BEHIND HOT CHOCOLATE UNIT AT FRONT PREP AREA AT OZZIE AND HAROLD'S ALL-STAR (STAND #152). CLEAN DUSTY FAN GUARDS				

Record	Report	Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks		
						IN COOLER AT BILLY PIERCE'S ALL-STAR (STAND #130). CLEAN DUSTY FAN GUARDS IN COOLER AT MINNIE'S ALL-STAR/LOPEZ (STAND #522). CLEAN DUSTY VENTILATION HOOD FILTERS AT MINNIE'S ALL-STAR/LOPEZ PIZZA (STAND #522). 36. LIGHTING: REQUIRED MINIMUM FOOT-CANDLES OF LIGHT PROVIDED, FIXTURES SHIELDED - Comments: CLEAN LIGHT SHIELDS IN FIRST BASE FOOD COMMISSARY (#123). CLEAN LIGHT SHIELD WITH GREASE BUILDUP AND REPLACE LIGHT BULB AT VENTILATION HOOD AT GO GO SOX GRILL/MINNIE MINOSO'S ALL-STAR (STAND #122). PROVIDE LIGHT BULBS WITH LIGHT SHIELDS AND OR SHATTER PROOF BULBS IN THE FOLLOWING: INSIDE REFRIGERATION UNITS LOCATED AT GO GO SOX GRILL/ MINNIE MINOSO'S ALL-STAR (STAND #122), REAR REFRIGERATION UNITS AND HOT HOLDING UNIT AT SOUTH SIDE HITMEN (STAND #544), AT VENTILATION HOOD AT OZZIE AND HAROLD'S ALL-STAR (STAND #152). CLEAN DIRTY LIGHT SHIELD IN FRONT OF COOLER AT BILLY PIERCE'S ALL-STAR (STAND #130). 38. VENTILATION: ROOMS AND EQUIPMENT VENTED AS REQUIRED: PLUMBING: INSTALLED AND MAINTAINED - Comments: REAR THREE COMPARTMENT SINK LEAKING AT PIPING UNDER THIRD COMPARTMENT AT 1933 ALL-STAR (STAND #112). FOUND LEAKS AT FAUCET CONNECTION AT THREE COMPARTMENT SINKS IN GO GO SOX GRILL/MINNIE MINOSO'S ALL-STAR (STAND #122) AND AT OZZIE AND HAROLD'S ALL-STAR (STAND #152). LEAK AT BOTTOM OF OVERHEAD FAN CONDESOR INSIDE WALK IN COOLER IN SOUTH SIDE HITMEN (STAND #544). LEAKY HANDLE AT THREE COMPARTMENT SINK AT					

Record	Report	Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks	
					NELLIE'S PIVOT POINT (STAND #124). EXPOSED HAND WASH SINK LEAKING AT P-TRAP AT BILLY PIERCE'S ALL-STAR (STAND #130). LEAKY PIPES UNDER THREE COMPARTMENT SINK AND LEAK AT ICE MACHINE AT ROTUNDA (STAND #260). LEAKY FAUCET AT THREE COMPARTMENT SINK AT SOUTH SIDE HITMEN GRILL (STAND #140). INSTRUCTED TO REPAIR ALL LEAKS. INSTRUCTED TO PROVIDE SINK STOPPER FOR THREE COMPARTMENT SINK AT NELLIE'S PIVOT POINT (STAND #124). PROVIDE BACK FLOW PREVENTION DEVICE AT WATER LINE AT HOT CHOCOLATE DISPENSER IN ROTUNDA (STAND #260). 40. REFRIGERATION AND METAL STEM THERMOMETERS PROVIDED AND CONSPICUOUS - Comments: All food establishments that display, prepare, or store potentially hazardous foods shall have calibrated metal stem thermometers, provided and conspicuous, for refrigerated and hot food units. INSTRUCTED TO PROVIDE INTERNAL THERMOMETER AT FRONT COOLER AT TRIPLE PLAY CAFE (STAND #110). 41. PREMISES MAINTAINED FREE OF LITTER, UNNECESSARY ARTICLES, CLEANING EQUIPMENT PROPERLY STORED - Comments: Cleaning equipment shall be properly stored away from food, utensils, equipment, and clean linens. INSTRUCTED TO PROPERLY STORE MOPS AND BROOMS AWAY FROM THREE COMPARTMENT SINK AT LARUSSA'S CORNER (STAND #154) AND EXPOSED HAND WASH SINK AT REAR B FOOD COMMISSARY (#534). 43. FOOD (ICE) DISPENSING UTENSILS, WASH CLOTHS PROPERLY STORED - Comments: Between uses and during storage ice dispensing utensils and ice receptacles shall be stored in a way that protects them					

Report Name	% Missing	Unique Values	Shortest Value	Longest Value	Min Value Count	Max Value Count	Remarks
Risk	0.0%	5	All	from contamination. INSTRUCTED TO PROVIDE CONTAINER TO PROPERLY STORE ICE SCOOPS AT FRONT PREP AREA IN GO GO SOX GRILL/MINNIE MINOSO'S ALL-STAR (STAND #122).	52	196,048	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Location	0.3%	18,211	(41.9960984214, -87.7868769104594)	(41.933535705306504, -87.64454292702328)	1	3,291	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Inspection Type	0.0%	111	SFP	LICENSE TASK FORCE / NOT -FOR-PROFIT CLUB	1	139,061	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Facility Type	1.9%	514	SPA	Mobile Frozen Dessert Dispenser_non Motorized.	1	179,811	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Zip	0.0%	122	60616	60616	1	9,854	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.
Results	0.0%	7	Fail	Business Not Located	86	137,733	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.

Dallas Data Set: Attribute Summary

Results - Browse (5) - Input													
	Record	Name	Field Category	Min	Max	Median	Std. Dev.	Percent Missing	Unique Values	Mean	Layout	Remarks	Shortest_Value
1	Violation Points - 1	String	[Null]	[Null]	[Null]	[Null]	8.341837	5	[Null]	[Null]		Some values of this field have a small number of...	2
2	Street Unit	String	[Null]	[Null]	[Null]	[Null]	64.359694	990	[Null]	[Null]		This field has over 10% missing values. Consider ...	3
3	Violation Memo - 21	String	[Null]	[Null]	[Null]	[Null]	99.919643	63	[Null]	[Null]		This field has over 10% missing values. Consider ...	salsa
4	Violation Memo - 11	String	[Null]	[Null]	[Null]	[Null]	92.725765	4779	[Null]	[Null]		This field has over 10% missing values. Consider ...	BAR
5	Violation Detail - 23	String	[Null]	[Null]	[Null]	[Null]	99.977041	18	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.173 Physical Facilities.
6	Violation Points - 2	String	[Null]	[Null]	[Null]	[Null]	17.920918	5	[Null]	[Null]		This field has over 10% missing values. Consider ...	1
7	Violation Memo - 7	String	[Null]	[Null]	[Null]	[Null]	74.960459	15999	[Null]	[Null]		This field has over 10% missing values. Consider ...	LA
8	Street Number	String	[Null]	[Null]	[Null]	[Null]	0	3442	[Null]	[Null]		Some values of this field have a small number of...	0
9	Violation Detail - 18	String	[Null]	[Null]	[Null]	[Null]	99.5625	138	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
10	Violation Memo - 19	String	[Null]	[Null]	[Null]	[Null]	99.785714	164	[Null]	[Null]		This field has over 10% missing values. Consider ...	CLEAN ALL
11	Street Type	String	[Null]	[Null]	[Null]	[Null]	2.118622	20	[Null]	[Null]		Some values of this field have a small number of...	RD
12	Violation Memo - 10	String	[Null]	[Null]	[Null]	[Null]	89.146684	7000	[Null]	[Null]		This field has over 10% missing values. Consider ...	PIC
13	Violation Detail - 14	String	[Null]	[Null]	[Null]	[Null]	97.627551	277	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.120 Equipment, Utensils, and L
14	Violation Points - 6	String	[Null]	[Null]	[Null]	[Null]	60.269133	4	[Null]	[Null]		This field has over 10% missing values. Consider ...	1
15	Violation Memo - 4	String	[Null]	[Null]	[Null]	[Null]	53.994898	28924	[Null]	[Null]		This field has over 10% missing values. Consider ...	a
16	Violation Description - 8	String	[Null]	[Null]	[Null]	[Null]	75.75827	481	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
17	Violation Memo - 24	String	[Null]	[Null]	[Null]	[Null]	99.984694	13	[Null]	[Null]		This field has over 10% missing values. Consider ...	Bulk Items
18	Violation Description - 10	String	[Null]	[Null]	[Null]	[Null]	87.031888	411	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
19	Violation Description - 4	String	[Null]	[Null]	[Null]	[Null]	40.489796	586	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
20	Violation Detail - 8	String	[Null]	[Null]	[Null]	[Null]	76.086735	486	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
21	Violation Detail - 2	String	[Null]	[Null]	[Null]	[Null]	18.665816	626	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
22	Violation Points - 16	String	[Null]	[Null]	[Null]	[Null]	98.864796	4	[Null]	[Null]		This field has over 10% missing values. Consider ...	1
23	Violation Detail - 11	String	[Null]	[Null]	[Null]	[Null]	91.446429	384	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
24	Violation Description - 22	String	[Null]	[Null]	[Null]	[Null]	99.959184	26	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
25	Violation Description - 17	String	[Null]	[Null]	[Null]	[Null]	99.298469	176	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
26	Zip Code	String	[Null]	[Null]	[Null]	[Null]	0	156	[Null]	[Null]		Some values of this field have a small number of...	75237
27	Violation Memo - 2	String	[Null]	[Null]	[Null]	[Null]	37.137755	39021	[Null]	[Null]		This field has over 10% missing values. Consider ...	d

Results - Browse (5) - Input													
	Record	Name	Field Category	Min	Max	Median	Std. Dev.	Percent Missing	Unique Values	Mean	Layout	Remarks	Shortest_Value
27	Violation Memo - 2	String	[Null]	[Null]	[Null]	[Null]	37.137755	39021	[Null]	[Null]		This field has over 10% missing values. Consider ...	d
28	Violation Detail - 15	String	[Null]	[Null]	[Null]	[Null]	98.331633	238	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
29	Violation Description - 7	String	[Null]	[Null]	[Null]	[Null]	68.580357	497	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
30	Violation Memo - 13	String	[Null]	[Null]	[Null]	[Null]	97.179847	2008	[Null]	[Null]		This field has over 10% missing values. Consider ...	WIC
31	Violation Detail - 19	String	[Null]	[Null]	[Null]	[Null]	99.739796	94	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.75 Food... Time and tempe
32	Violation Detail - 6	String	[Null]	[Null]	[Null]	[Null]	60.769133	557	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
33	Violation Memo - 22	String	[Null]	[Null]	[Null]	[Null]	99.961735	31	[Null]	[Null]		This field has over 10% missing values. Consider ...	label comp sim
34	Violation Detail - 3	String	[Null]	[Null]	[Null]	[Null]	29.908163	626	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
35	Violation Points - 5	String	[Null]	[Null]	[Null]	[Null]	50.889031	5	[Null]	[Null]		This field has over 10% missing values. Consider ...	1
36	Violation Memo - 23	String	[Null]	[Null]	[Null]	[Null]	99.978316	18	[Null]	[Null]		This field has over 10% missing values. Consider ...	PROVIDE
37	Violation Description - 14	String	[Null]	[Null]	[Null]	[Null]	97.598286	275	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
38	Violation Memo - 1	String	[Null]	[Null]	[Null]	[Null]	29.052296	43932	[Null]	[Null]		This field has over 10% missing values. Consider
39	Violation Memo - 20	String	[Null]	[Null]	[Null]	[Null]	99.858418	111	[Null]	[Null]		This field has over 10% missing values. Consider ...	EMPLOYEES
40	Violation Points - 25	String	[Null]	[Null]	[Null]	[Null]	99.992347	4	[Null]	[Null]		This field has over 10% missing values. Consider ...	3
41	Inspection Month	String	[Null]	[Null]	[Null]	[Null]	0	89	[Null]	[Null]		Some values of this field have a small number of...	Oct 2019
42	Violation Description - 1	String	[Null]	[Null]	[Null]	[Null]	8.341837	624	[Null]	[Null]		Some values of this field have a small number of...	*23 No Water
43	Violation Description - 12	String	[Null]	[Null]	[Null]	[Null]	94.619898	329	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
44	Violation Detail - 1	String	[Null]	[Null]	[Null]	[Null]	9.044643	643	[Null]	[Null]		Some values of this field have a small number of...	228.210 Poisonous or Toxic Materi
45	Inspection Score	String	[Null]	[Null]	[Null]	[Null]	0	58	[Null]	[Null]		Some values of this field have a small number of...	0
46	Violation Detail - 4	String	[Null]	[Null]	[Null]	[Null]	41.109694	597	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
47	Violation Detail - 12	String	[Null]	[Null]	[Null]	[Null]	94.723214	333	[Null]	[Null]		This field has over 10% missing values. Consider ...	228.210 Poisonous or Toxic Materi
48	Violation Description - 6	String	[Null]	[Null]	[Null]	[Null]	60.269133	552	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
49	Violation Description - 21	String	[Null]	[Null]	[Null]	[Null]	99.906888	52	[Null]	[Null]		This field has over 10% missing values. Consider ...	*34 Pest Control
50	Violation Points - 19	String	[Null]	[Null]	[Null]	[Null]	99.735969	4	[Null]	[Null]		This field has over 10% missing values. Consider ...	1
51	Violation Description - 9	String	[Null]	[Null]	[Null]	[Null]	81.872449	421	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
52	Violation Description - 3	String	[Null]	[Null]	[Null]	[Null]	29.243622	611	[Null]	[Null]		This field has over 10% missing values. Consider ...	*23 No Water
53	Violation Memo - 8	String	[Null]	[Null]	[Null]	[Null]	80.479592	12437	[Null]	[Null]		This field has over 10% missing values. Consider ...	CO

Results - Browse (5) - Input

22 of 22 Fields | Cell Viewer | 115 records displayed, 21 KB | ↑ ↓ | Data Metadata Actions 000

Record	Name	Field Category	Min	Max	Median	Std. Dev.	Percent Missing	Unique Values	Mean	Layout	Remarks
54	Violation Detail - 16	String	[Null]	[Null]	[Null]	98.88648	194	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
55	Violation Detail - 10	String	[Null]	[Null]	[Null]	87.234694	417	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
56	Violation Points - 23	String	[Null]	[Null]	[Null]	99.977041	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
57	Violation Description - 25	String	[Null]	[Null]	[Null]	99.992347	7	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
58	Street Direction	String	[Null]	[Null]	[Null]	66.982143	5	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
59	Violation Memo - 5	String	[Null]	[Null]	[Null]	61.742347	24297	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
60	Violation Memo - 14	String	[Null]	[Null]	[Null]	98.010204	1426	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
61	Violation Points - 4	String	[Null]	[Null]	[Null]	40.489796	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values.
62	Violation Memo - 25	String	[Null]	[Null]	[Null]	99.992347	7	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
63	Violation Detail - 7	String	[Null]	[Null]	[Null]	68.996173	501	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
64	Violation Description - 13	String	[Null]	[Null]	[Null]	96.584184	289	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
65	Violation Memo - 6	String	[Null]	[Null]	[Null]	68.780612	19873	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
66	Violation Description - 11	String	[Null]	[Null]	[Null]	91.320153	378	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
67	Violation Description - 20	String	[Null]	[Null]	[Null]	99.832908	70	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
68	Violation Points - 24	String	[Null]	[Null]	[Null]	99.984694	3	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
69	Street Name	String	[Null]	[Null]	[Null]	0	842	[Null]	[Null]		Some values of this field have a small number of value counts. If appropriate, consider c
70	Violation Points - 13	String	[Null]	[Null]	[Null]	96.584184	5	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
71	Violation Points - 15	String	[Null]	[Null]	[Null]	98.30102	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
72	Violation Detail - 22	String	[Null]	[Null]	[Null]	99.96301	25	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
73	Violation Detail - 24	String	[Null]	[Null]	[Null]	99.984694	11	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
74	Violation Points - 17	String	[Null]	[Null]	[Null]	99.298469	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
75	Violation Memo - 16	String	[Null]	[Null]	[Null]	99.056122	686	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
76	Restaurant_Name	String	[Null]	[Null]	[Null]	0.014031	9137	[Null]	[Null]		Some values of this field have a small number of value counts. If appropriate, consider c
77	Violation Points - 18	String	[Null]	[Null]	[Null]	99.552296	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
78	Violation Memo - 18	String	[Null]	[Null]	[Null]	99.631378	281	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
79	Inspection Year	String	[Null]	[Null]	[Null]	0	8	[Null]	[Null]		Some values of this field have a small number of value counts. If appropriate, consider c
80	Violation Detail - 5	String	[Null]	[Null]	[Null]	51.492347	568	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t

Results - Browse (5) - Input

22 of 22 Fields | Cell Viewer | 115 records displayed, 21 KB | ↑ ↓ | Data Metadata Actions 000

Record	Name	Field Category	Min	Max	Median	Std. Dev.	Percent Missing	Unique Values	Mean	Layout	Remarks
82	Violation Description - 24	String	[Null]	[Null]	[Null]	99.984694	11	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
83	Violation Memo - 17	String	[Null]	[Null]	[Null]	99.429847	425	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
84	Violation Points - 21	String	[Null]	[Null]	[Null]	99.906888	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
85	Violation Description - 16	String	[Null]	[Null]	[Null]	98.864796	191	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
86	Lat Long Location	String	[Null]	[Null]	[Null]	0	19299	[Null]	[Null]		Some values of this field have a small number of value counts. If appropriate, consider c
87	Violation Points - 3	String	[Null]	[Null]	[Null]	29.243622	5	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
88	Inspection Type	String	[Null]	[Null]	[Null]	0	3	[Null]	[Null]		Some values of this field have a small number of value counts. If appropriate, consider c
89	Violation Points - 12	String	[Null]	[Null]	[Null]	94.619898	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
90	Violation Description - 15	String	[Null]	[Null]	[Null]	98.30102	238	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
91	Violation Description - 5	String	[Null]	[Null]	[Null]	50.889031	563	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
92	Violation Detail - 25	String	[Null]	[Null]	[Null]	99.993622	6	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
93	Violation Description - 23	String	[Null]	[Null]	[Null]	99.977041	18	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
94	Violation Detail - 17	String	[Null]	[Null]	[Null]	99.313776	177	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
95	Violation Description - 19	String	[Null]	[Null]	[Null]	99.735969	95	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
96	Violation Points - 11	String	[Null]	[Null]	[Null]	91.320153	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
97	Violation Description - 2	String	[Null]	[Null]	[Null]	17.920918	611	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
98	Violation Detail - 21	String	[Null]	[Null]	[Null]	99.913265	51	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
99	Violation Detail - 20	String	[Null]	[Null]	[Null]	99.840561	69	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
100	Violation Points - 20	String	[Null]	[Null]	[Null]	99.832908	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
101	Violation Points - 9	String	[Null]	[Null]	[Null]	81.872449	5	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
102	Violation Detail - 13	String	[Null]	[Null]	[Null]	96.654337	292	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
103	Violation Memo - 15	String	[Null]	[Null]	[Null]	98.61352	992	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
104	Street Address	String	[Null]	[Null]	[Null]	0	7814	[Null]	[Null]		Some values of this field have a small number of value counts. If appropriate, consider c
105	Violation Points - 14	String	[Null]	[Null]	[Null]	97.589286	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
106	Violation Points - 22	String	[Null]	[Null]	[Null]	99.959184	4	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
107	Violation Memo - 9	String	[Null]	[Null]	[Null]	85.17602	9516	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t
108	Violation Points - 7	String	[Null]	[Null]	[Null]	68.580357	5	[Null]	[Null]		This field has over 10% missing values. Consider imputing these values. Some values of t

Results - Browse (5) - Input

22 of 22 Fields | Cell Viewer | 115 records displayed, 21 KB | ↑ ↓ | Data Metadata Actions 000

Record	Remarks	Shortest_Value	Longest_Value
1	Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	2	2
2	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	3	#3000
3	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	salsa	equipment and single use ut
4	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	BAR	DELI - RICE 132 F ----
5	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	228.173	Physical Facilities, Floors, walls, an...
6	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	1	228.75 Food, Time and
7	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	LA	1
8	Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	0	10295
9	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	228.210	Poisonous or Toxic Materials, First...
10	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	CLEAN ALL	228.75 Food, Time and cooler units in all areas inclu
11	Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	RD	BLVD
12	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	PIC	WARNING! ALSO ALL CO
13	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	228.120	Equipment, Utensils, and Linens, L...
14	This field has over 10% missing values. Consider imputing these values.	1	228.75 Food, Time and
15	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	a	ICE SCOOP STORAGE
16	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	*23 No Water	*05 Reheat from 41°F to 16°
17	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	Bulk items	reseal hand sink to wall near
18	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	*23 No Water	*05 Reheat from 41°F to 16°
19	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	*23 No Water	*05 Reheat from 41°F to 16°
20	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	228.210	Poisonous or Toxic Materials, First...
21	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	228.210	Poisonous or Toxic Materials, First...
22	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	d	3 compartment sink faucet li
23	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	228.210	Poisonous or Toxic Materials, First...
24	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	*23 No Water	*09 Food protected cross coi
25	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	*23 No Water	*39 In-use utensils, between-
26	Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	75237	75238-2632
27	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	d	3 compartment sink faucet li
28	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	228.210	Poisonous or Toxic Materials, First...
29	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If appropriate, consider combining some value levels together.	*23 No Water	*04 Reheat from 41°F to 16°

Results - Browse (5) - Input

22 of 22 Fields | Cell Viewer | 115 records displayed, 21 KB | ↑ ↓ |

Search Data Metadata Actions 000

Record	Remarks	Shortest_Value	Longest_Value
86	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	907 ELM ST	4351 DALLAS FORT WORTH 1
87	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	1	1
88	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	Routine	Complaint
89	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	*45 First Aid	*39 In-use utensils, between-
90	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	*23 No Water	*05 Reheat from 41°F to 16°
91	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.175 Physical Facilities.	Handwashing S...
92	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	*47 OTHER VIOLATIONS	*21 A establishment shall ha
93	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.75 Food.	Time and temperature contro...
94	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	*47 Other Violations	*09 Food protected cross co
95	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	1	1
96	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	*23 No Water	*05 Reheat from 41°F to 16°
97	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.176 Physical Facilities.	Toilets and urina...
98	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.75 Food.	Time and
99	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.61 Food.	Condition safe, unadulterated,...
100	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.75 Food.	Time and
101	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	2	2
102	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	3	3
103	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.210 Poisonous or Toxic Materials.	First...
104	Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	NONE	SEC. 17-112. ADDITIONAL RE
105	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	605 ELM ST	7932 S GREAT TRINITY FORE
106	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	1	1
107	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	2	2
108	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	ALL	-----
109	This field has over 10% missing values. Consider imputing these values.	1	1
110	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	2	2
111	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	*45 First Aid	*21 Person in charge. The pe
112	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	228.210 Poisonous or Toxic Materials.	First...
113	This field has over 10% missing values. Consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, consider combining some value levels together.	I	228.271 PRIVATE WATER SYS DUE TO ITEM E ABOVE. Ap
114	This field has a small number of value counts and appears to be an external field. Consider changing the field data type to "String".	3	3

Dallas Data Set: Attribute Summary Report:

Name
DI_CreateDate
Inspection_Date

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Points - 1	8.3%	5	2	2

2 String/Character Fields

Street Unit	64.4%	990	3	#3000
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Violation Memo - 21	99.9%	63	salsa	equipment and single use utensils contaminated by trash container located inside shelving area must be remove equipment and discard single use utensils contami
---------------------	-------	----	-------	---

Violation Memo - 11	92.7%	4,779	BAR	DELI - RICE 132'F ----- VOLUNTARY DESTRUCTION INVENTORY
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Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 23	100.0%	18	228.173 Physical Facilities. Floors, walls, and ceilings. (e) Floor covering, mats and duckboards. Mats and duckboards shall be designed to be removable and easily cleanable.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Points - 2	17.9%	5	1	1
Violation Memo - 7	75.0%	15,999	LA	VOLUNTARY DESTRUCTION INVENTORY
Street Number	0.0%	3,442	0	10295
Violation Detail - 18	99.6%	138	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Memo - 19	99.8%	164	CLEAN ALL	cooler units in all areas including frame and gaskets doors dirty with mold , soils and grease deposits must be clean to avoid cross contamination WI cooler dirty wi
Street Type	2.1%	20	RD	BLVD
Violation Memo - 10	89.1%	7,000	PIC	WARNING! ALSO ALLL COOLERS, DEEP FRYERS, GRILL, BAR , BAR SINKS ICE MACHINE ,
Violation Detail - 14	97.6%	277	228.120 Equipment, Utensils, and Linens. Laundering, Frequency, Specifications. (d) Wet wiping cloths shall be laundered daily.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Points - 6	60.3%	4	1	1

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Memo - 4	54.0%	28,924	a	ICE SCOOP STORAGE BIN
Violation Description - 8	75.8%	481	*23 No Water	*05 Reheat from 41oF to 165oF within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Memo - 24	100.0%	13	Bulk items	reseal hand sink to wall near 3 com sink clean the floor throughout the kitchen area cover floor drain in grill area seal opening above the bag-n box check interior c
Violation Description - 10	87.0%	411	*23 No Water	*05 Reheat from 41oF to 165oF within 2 hours and/or Commercially processed RTE foods reheated from 4

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Description - 4	40.5%	586	*23 No Water	*05 Reheat from 41oF to 165oF within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Detail - 8	76.1%	486	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.35 Management and Personnel. Responsibilities and Reporting Symptoms and Diagnosis. (a) Responsibility of Permit Holder, Person in Charge, and Conditioned
Violation Detail - 2	18.7%	626	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.271 PRIVATE WATER SYSTEMS Water Supply and Pressure Food Service Establishments having water supplies that do not meet the definition of a public water
Violation Points - 16	98.9%	4	1	1

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 11	91.4%	384	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.271 PRIVATE WATER SYSTEMS Water Supply and Pressure Food Service Establishments having water supplies that do not meet the definition of a public water
Violation Description - 22	100.0%	26	*23 No Water	*09 Food protected cross contamination separating types of raw animal food storage, preparation, hol
Violation Description - 17	99.3%	176	*23 No Water	*39 In-use utensils, between-use storage. During pauses in food preparation or dispensing, food prep
Zip Code	0.0%	156	75237	75238-2632
Violation Memo - 2	37.1%	39,021	d	3 compartment sink faucet leaking~~~~~

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 15	98.3%	238	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Description - 7	68.6%	497	*23 No Water	*05 Reheat from 41°F to 165°F within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Memo - 13	97.2%	2,008	WIC	1) RESTOCK YOUR FIRST AID KIT 2) Heimlich maneuver sign SEC. 17-11.2. ADDITIONAL REQUIREMENTS. (a) General. All food establishments that provide dining
Violation Detail - 19	99.7%	94	228.75 Food. Time and temperature control. (a) Frozen food. Stored frozen foods shall be maintained frozen.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 6	60.8%	557	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.35 Management and Personnel. Responsibilities and Reporting Symptoms and Diagnosis (a) Responsibility of Permit Holder, Person in Charge, and Conditional I
Violation Memo - 22	100.0%	31	label 3 comp sink	light shields removed in back storage area replace missing vent a hood filters food employees must focus on one task at a time food staff recommend have cleaning
Violation Detail - 3	29.9%	626	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.35 Management and Personnel. Responsibilities and Reporting Symptoms and Diagnosis. (a) Responsibility of Permit Holder, Person in Charge, and Conditional I
Violation Points - 5	50.9%	5 1	1	

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Memo - 23	100.0%	18	PROVIDE	cooking equipment dirty with soils and grease accumulations must be clean to avoid cross contamination
Violation Description - 14	97.6%	275	*23 No Water	*09 Food protected cross contamination by preparing each type of food at different times or in separ
Violation Memo - 1	29.1%	43,932	.	VOLUNTARY DESTRUCTION INVENTORY
Violation Memo - 20	99.9%	111	EMPLOYEES	using recycle non approved containers must be use approved commercial containers to avoid chemical contamination use of thank you bags as food containers mu:

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Points - 25	100.0%	4	3	3
Inspection Month	0.0%	89	Oct 2019	Oct 2019
Violation Description - 1	8.3%	624	*23 No Water	*05 Reheat from 41oF to 165oF within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Description - 12	94.6%	329	*23 No Water	*21 Person in charge. The person in charge shall ensure that §228.34 (1-15) Relating to Duties of PI
Violation Detail - 1	9.0%	643	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.271 PRIVATE WATER SYSTEMS Water Supply and Pressure Food Service Establishments having water supplies that do not meet the definition of a public water
Inspection Score	0.0%	58	0	100

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 4	41.1%	597	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.35 Management and Personnel. Responsibilities and Reporting Symptoms and Diagnosis (a) Responsibility of Permit Holder, Person in Charge, and Conditional I
Violation Detail - 12	94.7%	333	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.71 Food. Cooking. (a) Raw animal foods. (1) Except as specified in paragraphs (2) - (4) of this subsection, raw animal foods such as eggs, fish, meat, poultry, e
Violation Description - 6	60.3%	552	*23 No Water	*05 Reheat from 41°F to 165°F within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Description - 21	99.9%	52	*34 Pest Control	*09 Cooked ready to eat - Food protected from cross contamination by separating, storage, preparatio

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Points - 19	99.7%	4	1	1
Violation Description - 9	81.9%	421	*23 No Water	*21 Person in charge. The person in charge shall ensure that §228.34 (1-15) Relating to Duties of PI
Violation Description - 3	29.2%	611	*23 No Water	*05 Reheat from 41°F to 165°F within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Memo - 8	80.5%	12,437	CO	VOLUNTARY DESTRUCTION INVENTORY

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 16	98.9%	194	228.210 Poisonous or Toxic Materials, First Aid Supplies, Availability. A first aid kit shall be provided.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Detail - 10	87.2%	417	228.210 Poisonous or Toxic Materials, First Aid Supplies, Availability. A first aid kit shall be provided.	228.271 PRIVATE WATER SYSTEMS Water Supply and Pressure Food Service Establishments having water supplies that do not meet the definition of a public water
Violation Points - 23	100.0%	4	1	1
Violation Description - 25	100.0%	7	*47 Other Violations	*29 Cold/hot hold unit thermometer easily viewable

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Street Direction	67.0%	5	W	W
Violation Memo -	61.7%	24,297	33	----- VOLUNTARY DESTRUCTION INVENTORY -----
5				
Violation Memo -	98.0%	1,426	Raid	SEC. 17-11.2. ADDITIONAL REQUIREMENTS. (a) General. All food establishments that provide dining areas shall post the Heimlich maneuver sign in a place conspi
14				
Violation Points -	40.5%	4	1	1
4				
Violation Memo -	100.0%	7	CLEAN ALL	Dirty dust on fans and vents above food prep areas and counters. dirty food containers, outside K/LC doors, stoves, ovens, walls, vents, vent filters, ice on freezer t
25				

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 7	69.0%	501	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.35 Management and Personnel. Responsibilities and Reporting Symptoms and Diagnosis (a) Responsibility of Permit Holder, Person in Charge, and Conditional I
Violation Description - 13	96.6%	289	*23 No Water	*21 Person in charge. The person in charge shall ensure that §228.34 (1-15) Relating to Duties of PI
Violation Memo - 6	68.8%	19,873	T	WARNING! SOUR CREAM 52°F, PASTA 53°F, TURKEY 53°F, SOUR CREAM 59°F, MILK 59°F, CHEESE 59°F, -----
Violation Description - 11	91.3%	378	*23 No Water	*21 Person in charge. The person in charge shall ensure that §228.34 (1-15) Relating to Duties of PI

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Description - 20	99.8%	70	*47 Other Violations	*05 Reheat from 41oF to 165oF within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Points - 24	100.0%	3	1	1
Street Name	0.0%	842	TI	MOUNTAIN CREEK PKWY #BU23
Violation Points - 13	96.6%	5	1	1
Violation Points - 15	98.3%	4	2	2

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 22	100.0%	25	228.224 REQUIREMENTS APPLICABLE TO CERTAIN ESTABLISHMENTS Outfitter Operations. (i) Equipment. All equipment and utensils intended for food contact shall be approved for food use.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Detail - 24	100.0%	11	228.149 Water, Plumbing, and Waste. Plumbing, operation and maintenance. (e) System maintained in good repair. A plumbing system shall be: (2) maintained in good repair.	228.106 Equipment, Utensils, and Linens. Functionality of equipment. (a) Ventilation hood systems, drip prevention. Exhaust ventilation hood systems in food prep
Violation Points - 17	99.3%	4	1	1
Violation Memo - 16	99.1%	686	TILE	ceiling with grease and soils accumulations for grill outside vent hood must be clean ceiling and readjust equipment inside vent hood area to avoid cross contamination
Restaurant_Name	0.0%	9,137	KFC	50326 THE TRADITION-PRESTONWOOD ASSISTED LIVING AND MEMORY-4TH FL

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Points - 18	99.6%	4	2	2
Violation Memo - 18	99.6%	281	90 F	obtain rfsm certificate from City of Dallas within 45 days Bring Iearn 2 serv certificate, DL or ID and money (cash, check, money order no credit or debit cards), \$30
Inspection Year	0.0%	8	FY2020	FY2020
Violation Detail - 5	51.5%	568	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.271 PRIVATE WATER SYSTEMS Water Supply and Pressure Food Service Establishments having water supplies that do not meet the definition of a public water
Violation Memo - 3	45.7%	34,054	p	\$INK AT 0 PPM. CONTAINER IS EMPTIED . CONTAINER IS OUT

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Description - 24	100.0%	11	*45 Drying Mops- air dry	*46 Water, Plumbing, and Waste Plumbing Systems-good repair
Violation Memo - 17	99.4%	425	70	CLEAN INTERIOR OF COMPARTMENT SINK EXTERIOR OF REACH IN COOLERS MUST BE CLEANED & SANITIZED (INCLUDING EXTERIOR OF BLUE CONTAINERS) E
Violation Points - 21	99.9%	4	3	3
Violation Description - 16	98.9%	191	*45 First Aid	*05 Reheat from 41°F to 165°F within 2 hours and/or Commercially processed RTE foods reheated from 4
Lat Long Location	0.0%	19,299	907 ELM ST	4351 DALLAS FORT WORTH TPKE #110 (32.768615587000056, -96.82313404199994)

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Points - 3	29.2%	5	1	1

Inspection Type 0.0% 3 Routine Complaint

Violation Points - 12 94.6% 4 1 1

Violation Description - 15 98.3% 238 *45 First Aid *39 In-use utensils; between-use storage. During pauses in food preparation or dispensing, food prep

Violation Description - 5 50.9% 563 *23 No Water *05 Reheat from 41oF to 165oF within 2 hours and/or Commercially processed RTE foods reheated from 4

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Detail - 25	100.0%	6	228.175 Physical Facilities. Handwashing Sinks. (c) Hand drying provision. Each handwashing lavatory or group of adjacent lavatories shall be provided with: (1) individual, disposable towels;	228.106 Equipment, Utensils, and Linens. Functionality of equipment. (l) Temperature measuring devices. (2) Except as specified in paragraph (3) of this subsection
Violation Description - 23	100.0%	18	*47 OTHER VIOLATIONS	*21 A establishment shall have written procedures for employees to follow when responding to vomit in
Violation Detail - 17	99.3%	177	228.75 Food, Time and temperature control. (a) Frozen food. Stored frozen foods shall be maintained frozen.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Description - 19	99.7%	95	*47 Other Violations	*09 Food protected cross contamination separating types of raw animal food storage, preparation, holding, and service areas.

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Points - 11	91.3%	4	1	1
Violation Description - 2	17.9%	611	*23 No Water	*05 Reheat from 41oF to 165oF within 2 hours and/or Commercially processed RTE foods reheated from 4
Violation Detail - 21	99.9%	51	228.176 Physical Facilities. Toilets and urinals. (b) Toilet tissue, availability. A supply of toilet tissue shall be available at each toilet.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Detail - 20	99.8%	69	228.61 Food. Condition safe, unadulterated, and honestly presented. Food shall be safe, unadulterated, and, as specified in §228.78(b) of this title, honestly presented.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking. (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Points - 20	99.8%	4	2	2
Violation Points - 9	81.9%	5	3	3
Violation Detail - 13	96.7%	292	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.75 Food. Time and temperature control. (g) Ready-to-eat, TCS food, date marking, (2) Except as specified in paragraphs (5) - (7) of this subsection, refrigerate
Violation Memo - 15	98.6%	992	NONE	SEC. 17-11.2. ADDITIONAL REQUIREMENTS. (a) General. All food establishments that provide dining areas shall post the Heimlich maneuver sign in a place conspi
Street Address	0.0%	7,814	605 ELM ST	7932 S GREAT TRINITY FOREST WAY #101A

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
------	--------------	------------------	----------------	---------------

Violation Points -	97.6%	4	1	1
	14			

Violation Points -	100.0%	4	2	2
	22			

Violation Memo -	85.2%	9,516	ALL	----- VOLUNTARY DESTRUCTION INVENTORY -----
	9			

Violation Points -	68.6%	5	1	1
	7			

Violation Points -	75.8%	4	2	2
	8			

Record Report

Name	% Missing	Unique Values	Shortest Value	Longest Value
Violation Description - 18	99.6%	137	*45 First Aid	*21 Person in charge. The person in charge shall ensure that ö228.34 (1-15) Relating to Duties of PI
Violation Detail - 9	82.1%	428	228.210 Poisonous or Toxic Materials. First Aid Supplies, Availability. A first aid kit shall be provided.	228.271 PRIVATE WATER SYSTEMS Water Supply and Pressure Food Service Establishments having water supplies that do not meet the definition of a public water
Violation Memo - 12	95.6%	3,008 I		DUE TO ITEM E ABOVE. Apply for new FOOD ESTABLISHMENT permit, due to change of ownership, from 320 E. Jefferson Blvd, Room 118 within 24 hours. Please
Violation Points - 10	87.0%	4 3	3	

3. Business Requirements

3.1 Calculating Total Violation Score for Inspection

For the Dallas dataset, the total violation score is kept equal to the sum of all violation points for each inspection.

For the Chicago dataset, there are a few conditions to set the violation score. If the violation is null or has any value other than Failed, Pass w/ condition, and Risk with values High, Low, and Medium then the violation score is set to 0. If any other violations other than null then the violation is $2 * \text{count of violations}$. If the result is Failed 70 is assigned, if it is Pass/ condition the score is set to 40. If the Risk is High it is 30, Low it is 10 and if it is Medium then it is 20.

If the total violation score is above 100 then the total violation score is set to 100.

3.2 Calculating Inspection Result

If the total violation score is above 60 then it is a Fail. If it lies between 60 and 30 then the result is Pass with warning. If the score is 30 and below it is Pass. If any other value is obtained, then it is marked as other.

4. Data Preparation (Part 1)

4.1. Obtain Data Files from the source

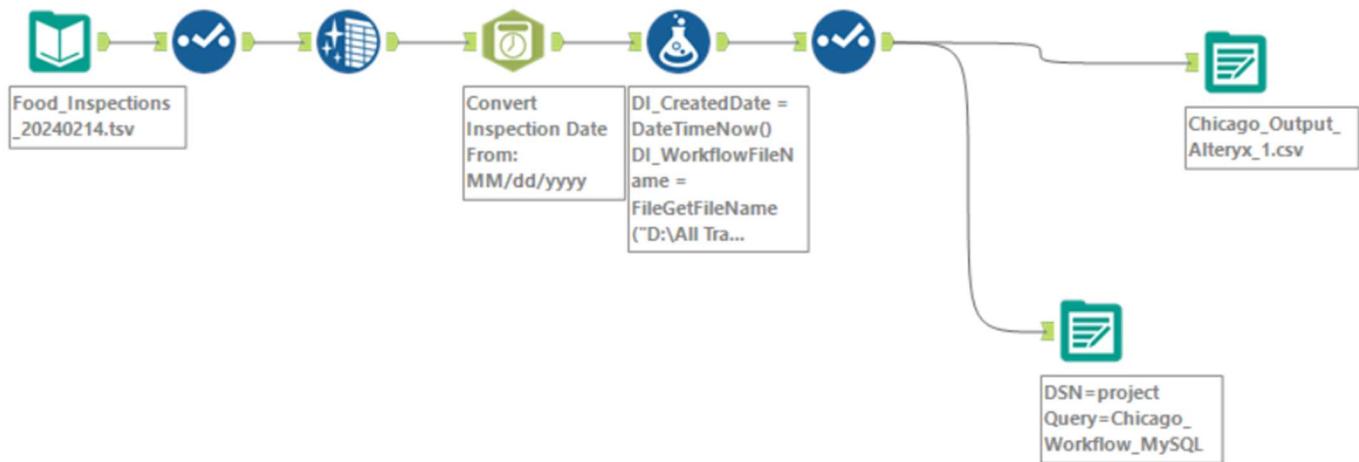
The flat file data is downloaded from the following link.

Chicago: https://data.cityofchicago.org/Health-Human-Services/Food-Inspections/4ijn-s7e5/data_preview

Dallas: https://www.dallasopendata.com/Services/Restaurant-and-Food-Establishment-Inspections-Octo-wcct/data_preview

4.2. Data Loading for Staging

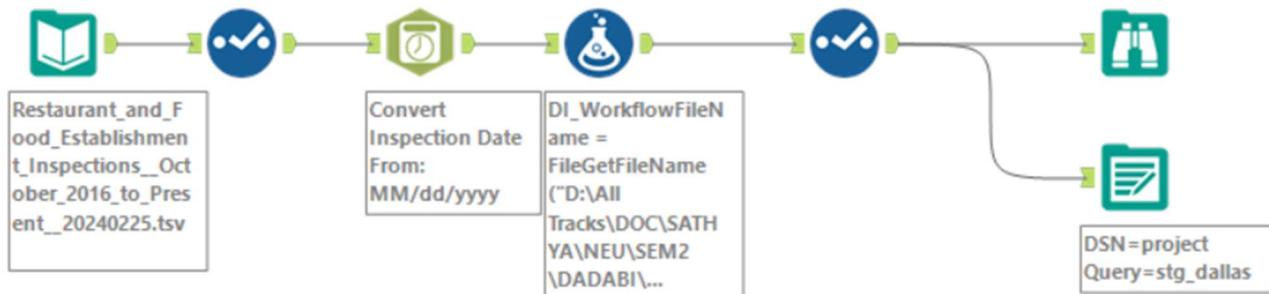
Chicago:



Here we are importing the data from the source TSV file and performing data cleansing, date conversion, the addition of Create_Date column, and selecting only specific columns operations before staging to as a staging entity in the database. Additionally, an output of the stage table in the form of a CSV is also taken.

List total time your job took to complete: 1.14 minutes

Dallas:

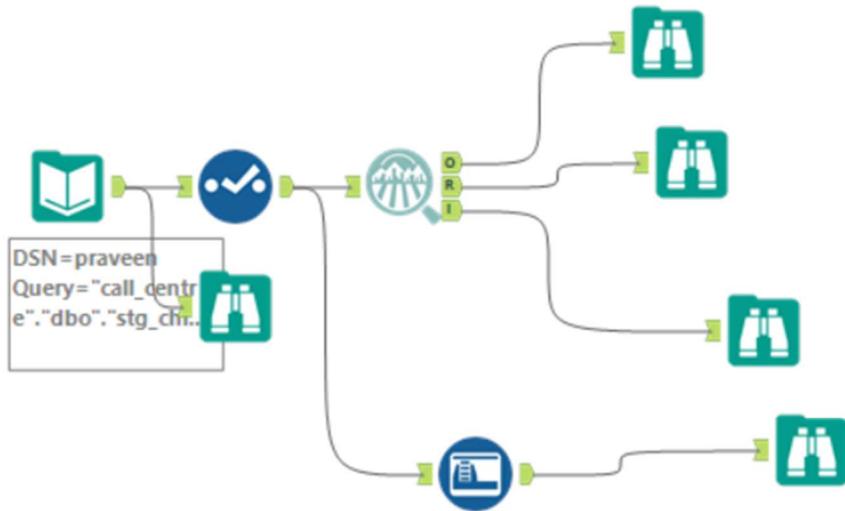


Here we are importing the data from the source TSV file and performing date conversion, the addition of Create_Date column, and selecting only specific columns operations before staging to as a staging entity in the database.

List total time your job took to complete: 32.1 seconds

4.3. Data Profiling

For Chicago:



Some values of the fields like Inspection ID, DBA Name, AKA Name, License #, Facility Type, Risk, Address, City, State, Zip, Inspection Type, Results, Latitude, Longitude, Location, Inspection_Date, have a small number of value counts. If Appropriate, we can consider combining some value levels together.

The Violations field has over 10% missing values. So, consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, we can consider combining some value levels.

The Chicago dataset had the Risk and Violations attributes as Multi-Valued.

- The Risk has a risk number and risk category. Hence, to resolve this multi-valued attribute, the following steps were taken in our Talend workflow to extract respective data.

1)If Risk is null then we are populating 0 for risk number and ‘Unknown’ for risk category.

2)If Risk is All then we are populating 0 for risk number and ‘All’ for risk category.

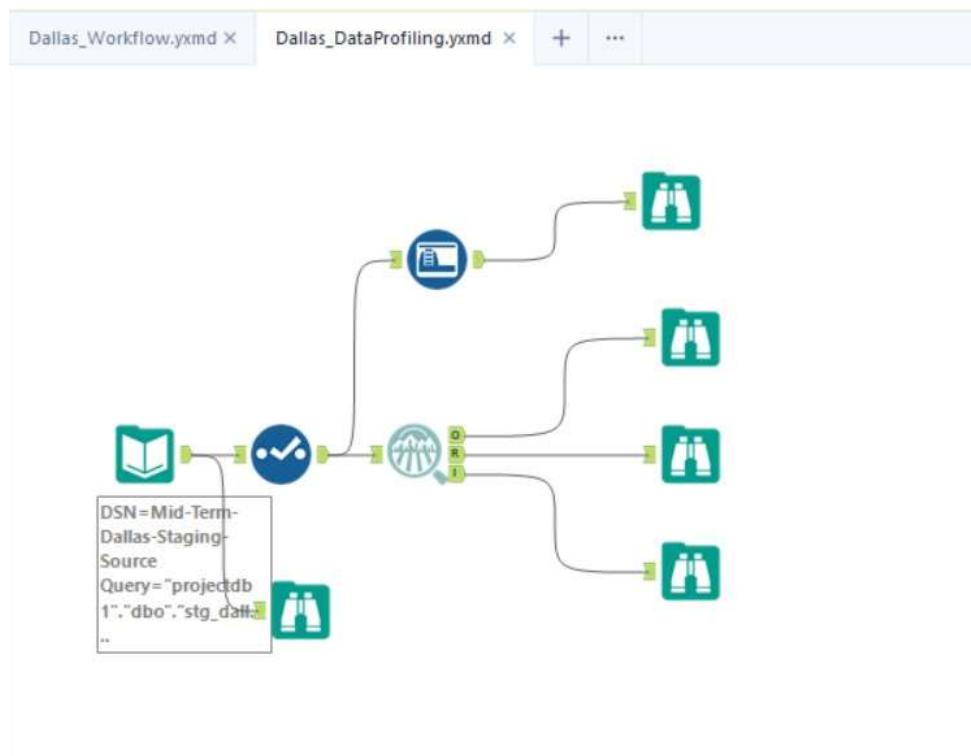
2)If Risk is not null using substring we are populating High, Medium or Low to risk category and the risk numbers 1,2 or 3 to risk number.

- The violations column contains the violation code, violation description, and violation comment. Hence, to resolve this multi-valued attribute, the following steps were taken in our Talend workflow to extract respective data.

1)Normalize the Violations by ‘|’ symbol

2)Took violation code and violation description using substring

For Dallas:



Some values of the field like Violation Points – 1, Street Type, Zip Code, Inspection Month, Violation Description – 1, Violation Detail – 1, Inspection Score, Street Name, Restaurant Name, Inspection Year, Lat Long Location, Inspection Type, Street Address have a small number of value counts. If Appropriate, we consider combining some value levels together.

The fields Street Number, Street Direction, Street Unit, Violation Memo - 1, Violation Description - 2, Violation Points - 2, Violation Detail - 2, Violation Memo - 2, Violation Description - 3, Violation Points - 3, Violation Detail - 3, Violation Memo - 3, Violation Description - 4, Violation Points - 4, Violation Detail - 4, Violation Memo - 4, Violation Description - 5, Violation Points - 5, Violation Detail - 5, Violation Memo - 5, Violation Description - 6, Violation Points - 6, Violation Detail - 6, Violation Memo - 6, Violation Description - 7, Violation Points - 7, Violation Detail - 7, Violation Memo - 7, Violation Description - 8, Violation Points - 8, Violation Detail - 8, Violation Memo - 8, Violation Description - 9, Violation Points - 9, Violation Detail - 9, Violation Memo - 9, Violation Description - 10, Violation Points - 10, Violation Detail - 10, Violation Memo - 10, Violation Description - 11, Violation Points - 11, Violation Detail - 11, Violation Memo - 11, Violation Description - 12, Violation Points - 12, Violation Detail - 12, Violation Memo - 12, Violation Description - 13, Violation Points - 13, Violation Detail - 13, Violation Memo - 13, Violation Description - 14, Violation Points - 14, Violation Detail - 14, Violation Memo - 14, Violation Description - 15, Violation Points - 15, Violation Detail - 15, Violation Memo - 15, Violation Description - 16, Violation Points - 16, Violation Detail - 16, Violation Memo - 16, Violation Description - 17, Violation Points - 17, Violation Detail - 17, Violation Memo - 17, Violation Description - 18, Violation Points - 18, Violation Detail - 18, Violation Memo - 18, Violation Description - 19, Violation Points - 19, Violation Detail - 19, Violation Memo - 19, Violation Description - 20, Violation Points - 20, Violation Detail - 20, Violation Memo - 20, Violation Description - 21, Violation Points - 21, Violation Detail - 21, Violation Memo - 21, Violation Description - 22, Violation Points - 22, Violation Detail - 22, Violation Memo - 22, Violation Description - 23, Violation Points - 23, Violation Detail - 23, Violation Memo - 23, Violation Description - 24, Violation Points - 24, Violation Detail - 24, Violation Memo - 24, Violation Description - 25, Violation Points - 25, Violation Detail - 25, Violation Memo - 25, Inspection_Date, has over 10% missing values. So, we consider imputing these values. Some values of this field have a small number of value counts. If Appropriate, we consider combining some value levels together.

The Dallas dataset had the Violation_description-1,2...25, and Lat Long Location attributes as Multi-Valued.

- Lat Long Location contains both the address as well as latitude and longitude data, hence, to resolve this multi-valued attribute, the following steps were taken in our Talend workflows to extract the respective data.

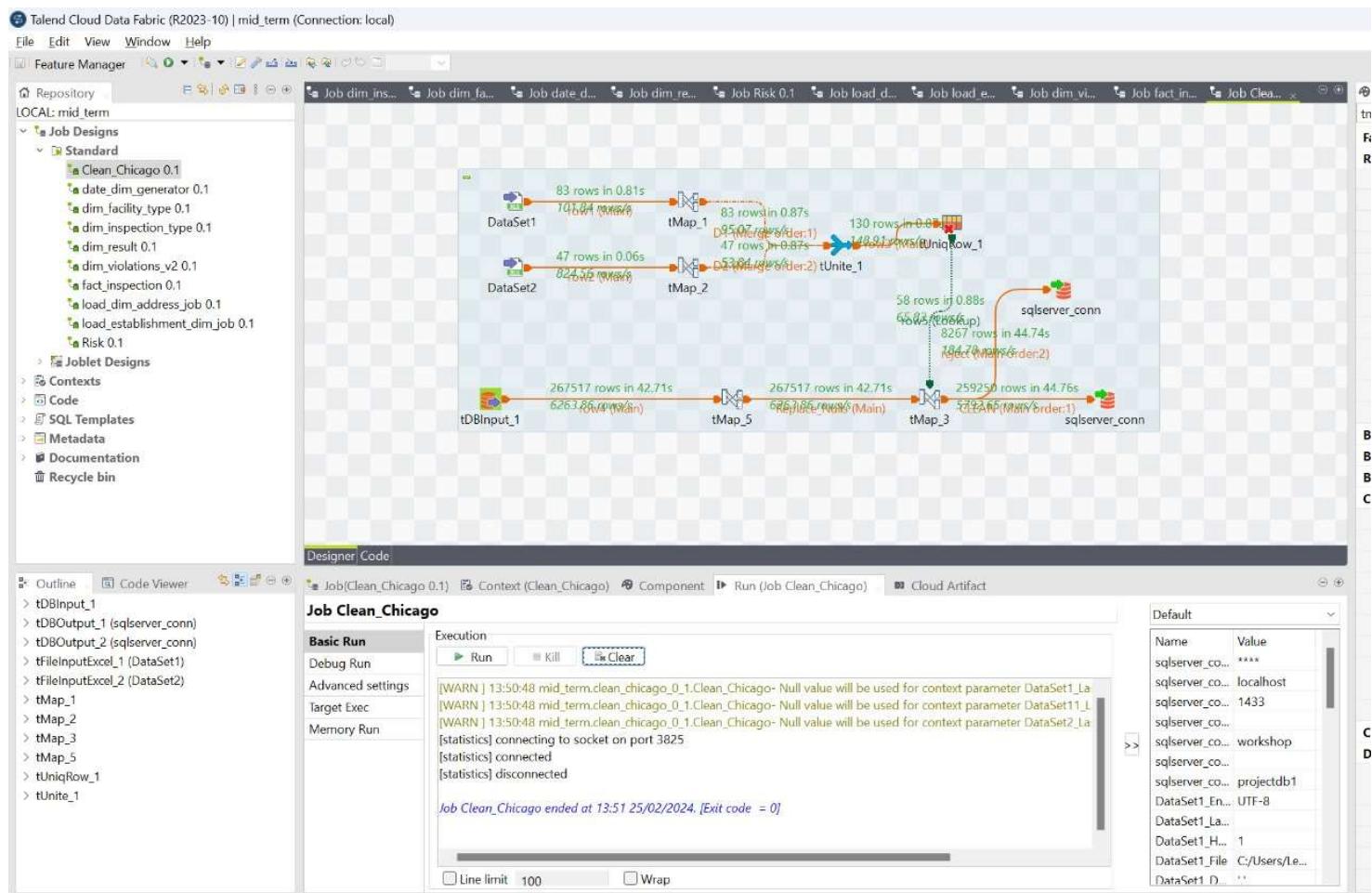
- 1)Reversed the string, since it contained '(' in the address part
- 2)If the first character is ')' then it has latitude and longitude information, if not it has address only
- 3)Get the latitude and longitude part of the data from step 2 by applying substring logic, and finally reverse and split on ',' to extract latitude and longitude
- 4)Else just extract the address by reversing the string.

- The violation_description columns have the violation code along with the description and are split using a substring function to the violation code and violation description columns.

How the schemas differ between datasets and how are you planning to merge the data

- Facility type is present in Chicago dataset and not in dallas. Hence, populating ‘Unknown’ for Dallas.
- Inspection id is present in Chicago and not in Dallas. Hence, we are generating sequence for Dallas.
- Risk is also not present in Dallas, so we are populating ‘Unknown’ in risk category and 0 in risk number.
- Violation as mentioned above we are going to handle it by merging or splitting it into violation code and violation description.

4.4. Data Cleansing for Chicago



We used the cleansing workflow for cleansing the data. The columns that had zip code and had state and city were null, the null columns were filled with the IL and Chicago respectively. The zip code was null but the state and city were IL and Chicago respectively the zip code column was filled as Unknown. If state and city were other than IL and Chicago respectively the row was deleted.

4.5. DDL Scripts for Staging Tables

Chicago Staging Table:

```
CREATE TABLE `stg_chicago` (
  `Inspection ID` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `DBA Name` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `AKA Name` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `License #` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Facility Type` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Risk` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Address` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `City` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `State` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Zip` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Inspection Type` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Results` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violations` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Latitude` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Longitude` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Location` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Inspection_Date` datetime DEFAULT NULL,
  `DI_CreatedDate` datetime DEFAULT NULL,
  `DI_WorkflowFileName` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

For Dallas Staging Table:

```
CREATE TABLE `stg_dallas` (
  `Restaurant_Name` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Inspection Type` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Inspection Score` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Street Number` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Street Name` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Street Direction` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Street Type` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Street Unit` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Street Address` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Zip Code` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Description - 1` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Points - 1` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Detail - 1` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Memo - 1` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Description - 2` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Points - 2` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Detail - 2` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Memo - 2` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Description - 3` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Points - 3` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Detail - 3` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Memo - 3` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Description - 4` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Points - 4` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Detail - 4` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Memo - 4` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Description - 5` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Points - 5` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
  `Violation Detail - 5` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
```



```
'Violation Memo - 21` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Description - 22` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Points - 22` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Detail - 22` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Memo - 22` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Description - 23` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Points - 23` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Detail - 23` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Memo - 23` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Description - 24` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Points - 24` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Detail - 24` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Memo - 24` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Description - 25` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Points - 25` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Detail - 25` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Violation Memo - 25` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Inspection Month` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Inspection Year` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Lat Long Location` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'Inspection_Date` datetime DEFAULT NULL,
'DI_WorkflowFileName` text CHARACTER SET utf8mb3 COLLATE utf8mb3_general_ci,
'DI_CreateDate` datetime DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

5. Dimensional Data Modelling

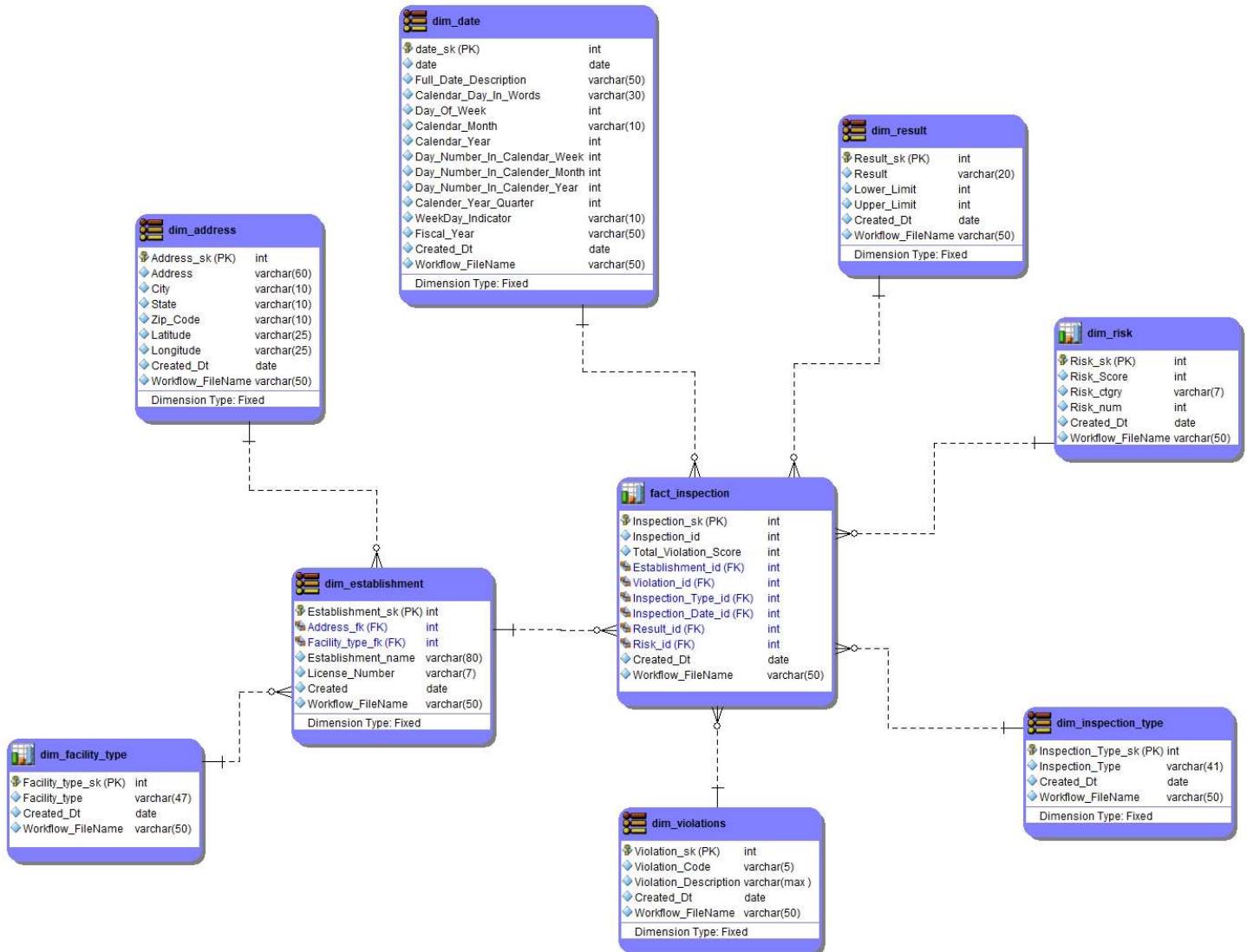
5.1. Identification of Facts and Dimensions

The Dimensional Data model created has the dimensions dim_inspection_type, dim_violations, dim_facility_type, dim_address, dim_date, dim_result, dim_risk and we take the fact table fact_inspection.

5.2. Grain Definition

The grains are of Transaction level.

5.3 ER/Studio Data Model



5.4 DDL Scripts of the dimensional and fact table

```
CREATE TABLE dim_address(
    Address_sk          int            NOT NULL,
    Address             varchar(60)   NULL,
    City                varchar(10)   NULL,
    State               varchar(10)   NULL,
    Zip_Code            varchar(10)   NULL,
    Latitude            varchar(25)   NULL,
    Longitude           varchar(25)   NULL,
    Created_Dt          date          NULL,
    Workflow_FileName  varchar(50)   NULL,
    CONSTRAINT PK1 PRIMARY KEY NONCLUSTERED (Address_sk)
)

go

IF OBJECT_ID('dim_address') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_address >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_address >>>'
go

/*
 * TABLE: dim_date
 */

CREATE TABLE dim_date(
    date_sk              int            NOT NULL,
    date                date          NULL,
    Full_Date_Description varchar(50)   NULL,
    Calendar_Day_In_Words varchar(30)   NULL,
    Day_Of_Week          int            NULL,
    Calendar_Month       varchar(10)   NULL,
    Calendar_Year         int            NULL,
    Day_Number_In_Calendar_Week int        NULL,
    Day_Number_In_Calender_Month int        NULL,
    Day_Number_In_Calender_Year int        NULL,
    Calender_Year_Quarter int        NULL,
    WeekDay_Indicator    varchar(10)   NULL,
    Fiscal_Year          varchar(50)   NULL,
    Created_Dt          date          NULL,
    Workflow_FileName  varchar(50)   NULL,
    CONSTRAINT PK2 PRIMARY KEY NONCLUSTERED (date_sk)
)

go

IF OBJECT_ID('dim_date') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_date >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_date >>>'
go

/*
 * TABLE: dim_establishment
 */

CREATE TABLE dim_establishment(
    Establishment_sk      int            NOT NULL,
    Address_fk            int            NOT NULL,
    Facility_type_fk     int            NOT NULL,
```

```

Establishment_name      varchar(80)      NULL,
License_Number          varchar(7)        NULL,
Created                 date             NULL,
Workflow_FileName       varchar(50)       NULL,
CONSTRAINT PK3 PRIMARY KEY NONCLUSTERED (Establishment_sk)
)

go

IF OBJECT_ID('dim_establishment') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_establishment >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_establishment >>>'
go

/*
 * TABLE: dim_facility_type
 */

CREATE TABLE dim_facility_type(
    Facility_type_sk     int              NOT NULL,
    Facility_type         varchar(47)      NULL,
    Created_Dt            date            NULL,
    Workflow_FileName    varchar(50)      NULL,
    CONSTRAINT PK10 PRIMARY KEY NONCLUSTERED (Facility_type_sk)
)
go

IF OBJECT_ID('dim_facility_type') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_facility_type >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_facility_type >>>'
go

/*
 * TABLE: dim_inspection_type
 */

CREATE TABLE dim_inspection_type(
    Inspection_Type_sk   int              NOT NULL,
    Inspection_Type       varchar(41)      NULL,
    Created_Dt            date            NULL,
    Workflow_FileName    varchar(50)      NULL,
    CONSTRAINT PK5 PRIMARY KEY NONCLUSTERED (Inspection_Type_sk)
)
go

IF OBJECT_ID('dim_inspection_type') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_inspection_type >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_inspection_type >>>'
go

/*
 * TABLE: dim_result
 */

CREATE TABLE dim_result(
    Result_sk              int              NOT NULL,
    Result                 varchar(20)      NULL,
    Lower_Limit            int              NULL,

```

```
    Upper_Limit      int      NULL,
    Created_Dt       date     NULL,
    Workflow_FileName varchar(50)  NULL,
    CONSTRAINT PK7 PRIMARY KEY NONCLUSTERED (Result_sk)
)
```

```
go
```

```
IF OBJECT_ID('dim_result') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_result >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_result >>>'
go
```

```
/*
 * TABLE: dim_risk
 */
```

```
CREATE TABLE dim_risk(
    Risk_sk          int      NOT NULL,
    Risk_Score       int      NULL,
    Risk_ctgry      varchar(7) NULL,
    Risk_num         int      NULL,
    Created_Dt       date     NULL,
    Workflow_FileName varchar(50)  NULL,
    CONSTRAINT PK9 PRIMARY KEY NONCLUSTERED (Risk_sk)
)
```

```
go
```

```
IF OBJECT_ID('dim_risk') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_risk >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_risk >>>'
go
```

```
/*
 * TABLE: dim_violations
 */
```

```
CREATE TABLE dim_violations(
    Violation_sk      int      NOT NULL,
    Violation_Code    varchar(5) NULL,
    Violation_Description varchar(max)  NULL,
    Created_Dt        date     NULL,
    Workflow_FileName varchar(50)  NULL,
    CONSTRAINT PK4 PRIMARY KEY NONCLUSTERED (Violation_sk)
)
```

```
go
```

```
IF OBJECT_ID('dim_violations') IS NOT NULL
    PRINT '<<< CREATED TABLE dim_violations >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE dim_violations >>>'
go
```

```
/*
 * TABLE: fact_inspection
 */
```

```
CREATE TABLE fact_inspection(
    Inspection_sk      int      NOT NULL,
```

```

Inspection_id      int          NULL,
Total_Violation_Score  int          NULL,
Establishment_id    int          NOT NULL,
Violation_id       int          NOT NULL,
Inspection_Type_id int          NOT NULL,
Inspection_Date_id int          NOT NULL,
Result_id          int          NOT NULL,
Risk_id            int          NOT NULL,
Created_Dt         date         NULL,
Workflow_FileName  varchar(50)   NULL,
CONSTRAINT PK8 PRIMARY KEY NONCLUSTERED (Inspection_sk)
)

go

IF OBJECT_ID('fact_inspection') IS NOT NULL
    PRINT '<<< CREATED TABLE fact_inspection >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE fact_inspection >>>'
go

ALTER TABLE dim_establishment ADD CONSTRAINT Refdim_address2
    FOREIGN KEY (Address_fk)
        REFERENCES dim_address(Address_sk)
go

ALTER TABLE dim_establishment ADD CONSTRAINT Refdim_facility_type20
    FOREIGN KEY (Facility_type_fk)
        REFERENCES dim_facility_type(Facility_type_sk)
go

/*
 * TABLE: fact_inspection
 */
ALTER TABLE fact_inspection ADD CONSTRAINT Refdim_establishment11
    FOREIGN KEY (Establishment_id)
        REFERENCES dim_establishment(Establishment_sk)
go

ALTER TABLE fact_inspection ADD CONSTRAINT Refdim_violations12
    FOREIGN KEY (Violation_id)
        REFERENCES dim_violations(Violation_sk)
go

ALTER TABLE fact_inspection ADD CONSTRAINT Refdim_inspection_type13
    FOREIGN KEY (Inspection_Type_id)
        REFERENCES dim_inspection_type(Inspection_Type_sk)
go

ALTER TABLE fact_inspection ADD CONSTRAINT Refdim_date14
    FOREIGN KEY (Inspection_Date_id)
        REFERENCES dim_date(date_sk)
go

ALTER TABLE fact_inspection ADD CONSTRAINT Refdim_result15
    FOREIGN KEY (Result_id)
        REFERENCES dim_result(Result_sk)
go

ALTER TABLE fact_inspection ADD CONSTRAINT Refdim_risk17
    FOREIGN KEY (Risk_id)
        REFERENCES dim_risk(Risk_sk)

```

DW.sql - localhost..db1 (workshop (57)) X drop_script.sql - l...tdb1 (workshop (56))

```
/*  
 * ER/Studio Data Architect SQL Code Generation  
 * Project : Food_Inspection_MidTerm_Dimension_Modelling.DM1  
 *  
 * Date Created : Sunday, February 25, 2024 00:29:40  
 * Target DBMS : Microsoft SQL Server 2019  
 */  
  
/*  
 * TABLE: dim_address  
 */  
  
CREATE TABLE dim_address(  
    Address_sk          int            NOT NULL,  
    Address             varchar(60)     NULL,  
    City                varchar(10)      NULL,  
    State               varchar(10)      NULL,  
    Zip_Code            varchar(10)      NULL,
```

100 %

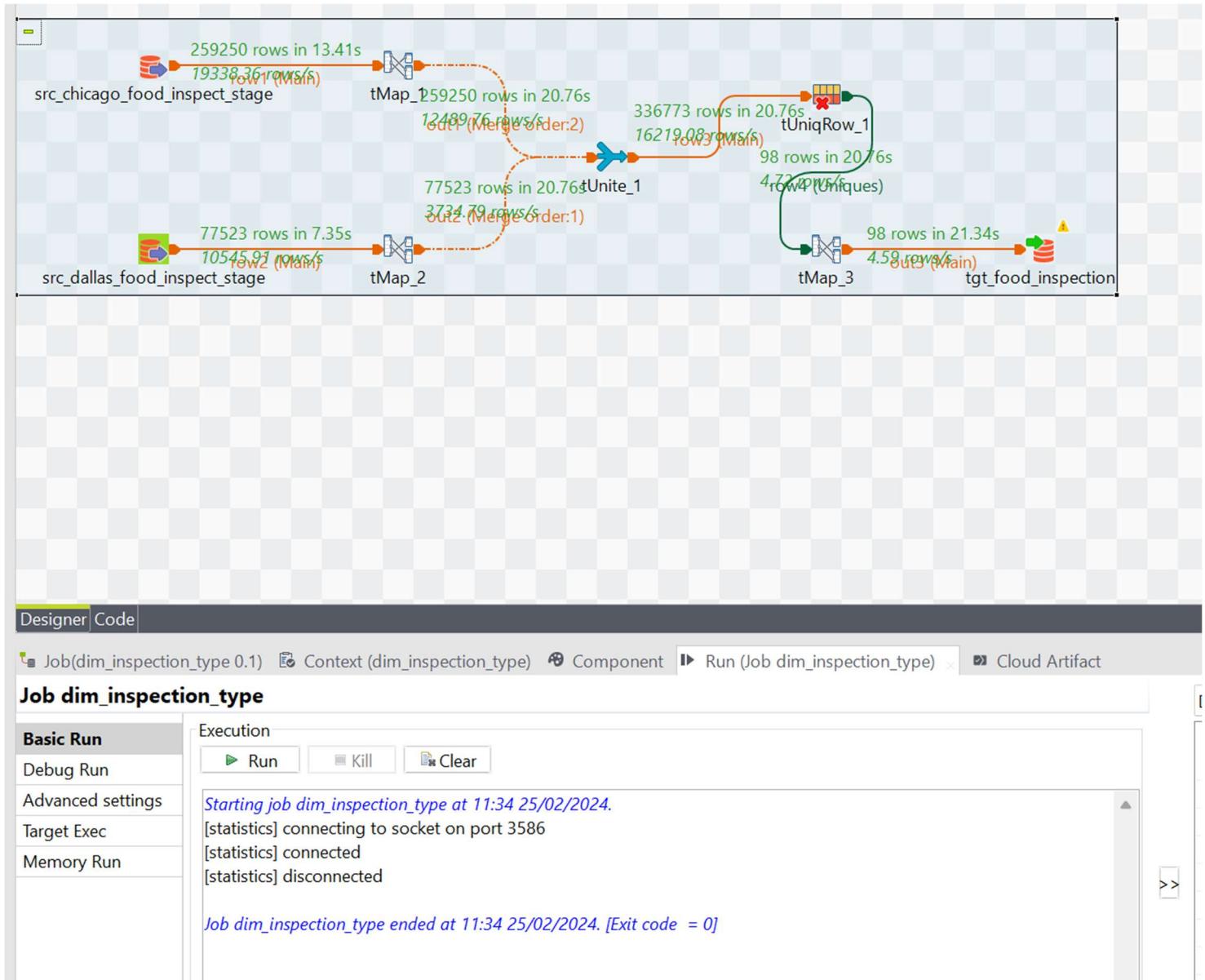
Messages

```
<<< CREATED TABLE dim_address >>>  
<<< CREATED TABLE dim_date >>>  
<<< CREATED TABLE dim_establishment >>>  
<<< CREATED TABLE dim_facility_type >>>  
<<< CREATED TABLE dim_inspection_type >>>  
<<< CREATED TABLE dim_result >>>  
<<< CREATED TABLE dim_risk >>>  
<<< CREATED TABLE dim_violations >>>  
<<< CREATED TABLE fact_inspection >>>
```

Completion time: 2024-02-25T16:48:27.9313504-05:00

6. Data Loading into Integration Schema (Part 3)

- dim_inspection_type



SQLQuery4.sql - loc...ction (damgbi (83))*

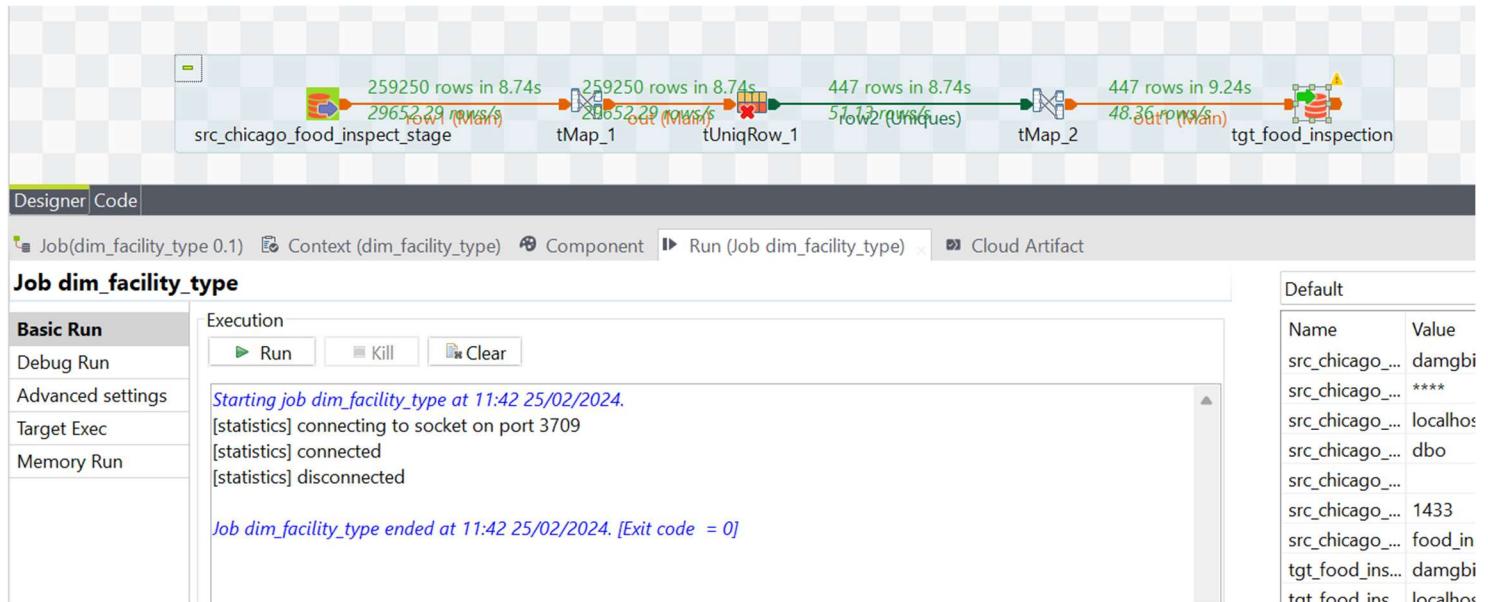
```
select count(*) as count from dim_inspection_type;
```

91 %

Results Messages

count
1 98

- **Dim_facility_type**



SQLQuery4.sql - loc...ction (damgbi (83))*

```
select count(*) as count from dim_facility_type;
```

Results

count
1 447

- **Dim_date**

The screenshot shows the Talend Data Integration Designer interface. At the top, there is a visual representation of a job flow with components: tRowGenerator_1, tMap_1, tLogRow_1, and sqlserver_conn. The flow starts with tRowGenerator_1 generating 10000 rows in 1.31s at 7639.42 rows/s, which then pass through tMap_1 (date parser (Main order:1)) and tLogRow_1 (date_dim_output (Main order:2)). The output from tLogRow_1 is then sent to sqlserver_conn.

Job date_dim_generator

Basic Run		Execution		Default	
Run	Kill	Run	Kill	Name	Value
Debug Run				startDate	2009-01-01...
Advanced settings				sqlserver_co...	1433
Target Exec				sqlserver_co...	localhost
Memory Run				sqlserver_co...	projectdb1
				sqlserver_co...	****
				sqlserver_co...	
				sqlserver_co...	
				sqlserver_co...	workshop
				endDate	2025-01-01...
				tgt_food_ins...	damgb
				tgt_food_ins...	localhost
				tgt_food_ins...	****
				tgt_food_ins...	food_inspe...
				tgt_food_ins...	
				tgt_food_ins...	1433
				tgt_food_ins...	dbo
				wf_filename	date_dim_g...
				text.dim_data	dim_data

[statistics] disconnected

Job date_dim_generator ended at 11:51 25/02/2024. [Exit code = 0]

SQLQuery4.sql - location (damgb (83))* + X sql_valid

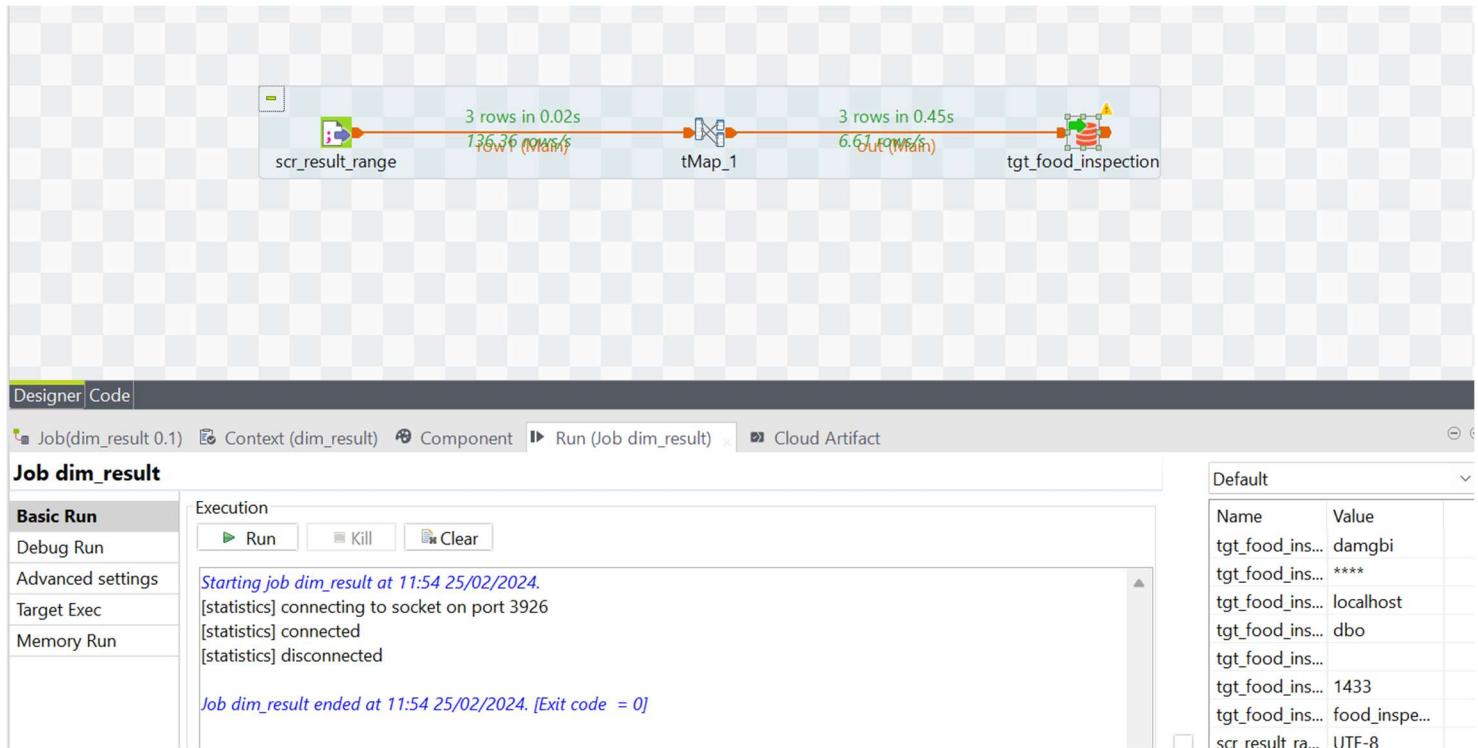
```
select count(*) as count from dim_date;
```

91 %

Results Messages

	count
1	10000

- **Dim_result**



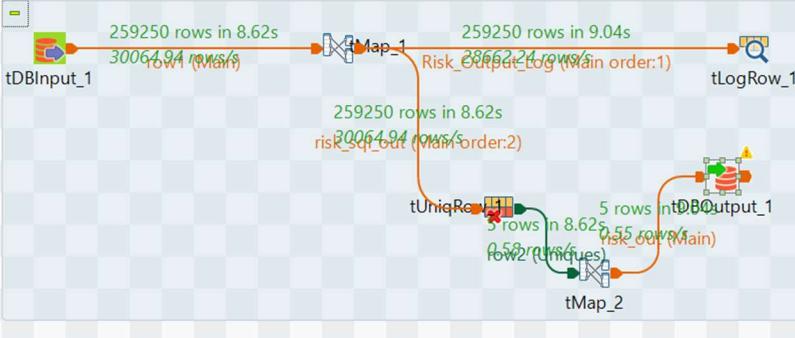
The screenshot shows a SQL Server Management Studio (SSMS) window titled 'SQLQuery4.sql - loc...ction (damgbi (83))*.sql_valid'. The query executed is:

```
select count(*) as count from dim_result;
```

The results pane shows the output:

count
1
3

- **Dim_risk**



The diagram shows an SSIS Data Flow Task. It starts with a tDBInput_1 source (30064.94 rows/s) feeding into tMap_1. tMap_1 outputs 259250 rows in 8.62s to Risk_SQL_out (Main order:2). This is then processed by tLogRow_1. A second path from tDBInput_1 goes through tMap_1 to Risk_SQL_out (Main order:1), which then feeds into tLogRow_1. tMap_1 also outputs 259250 rows in 9.04s to Risk_SQL_out (Main order:1). From Risk_SQL_out (Main order:2), the data flows through tUniqueRow and tMap_2. tUniqueRow outputs 5 rows in 8.62s to tDBOutput_1, which then feeds into Risk_SQL_out (Main). tMap_2 outputs 5 rows in 8.62s to Risk_SQL_out (Main). The execution pane shows the job risk ended at 12:00 25/02/2024 with an exit code of 0.

Default	
Name	Value
SK	
Risk_Catego...	
Risk_Number	
sqlserver_co...	1433
sqlserver_co...	localhost
sqlserver_co...	projectdb1
sqlserver_co...	****
sqlserver_co...	
sqlserver_co...	
sqlserver_co...	workshop
src_chicago_...	1433
src_chicago_...	localhost
src_chicago_...	damgbi
src_chicago_...	food_inspe...
src_chicago_...	****
src_chicago_...	dbo

SQLQuery4.sql - location (damgbi (83))*

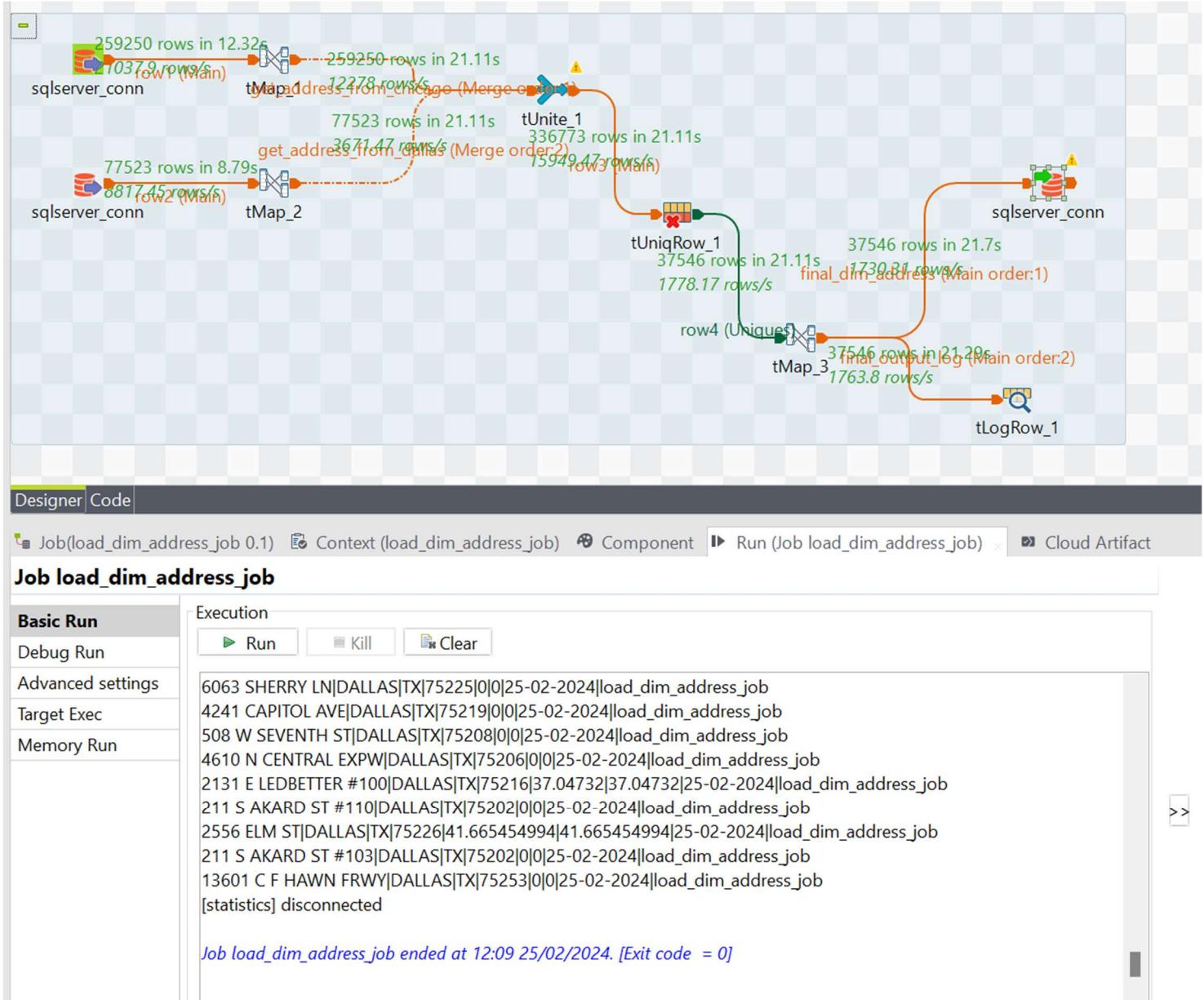
```
select count(*) as count from dim_risk;
```

91 %

Results Messages

	count
1	5

- Dim_address



SQLQuery4.sql - loc...ction (damgbi (83))*

```

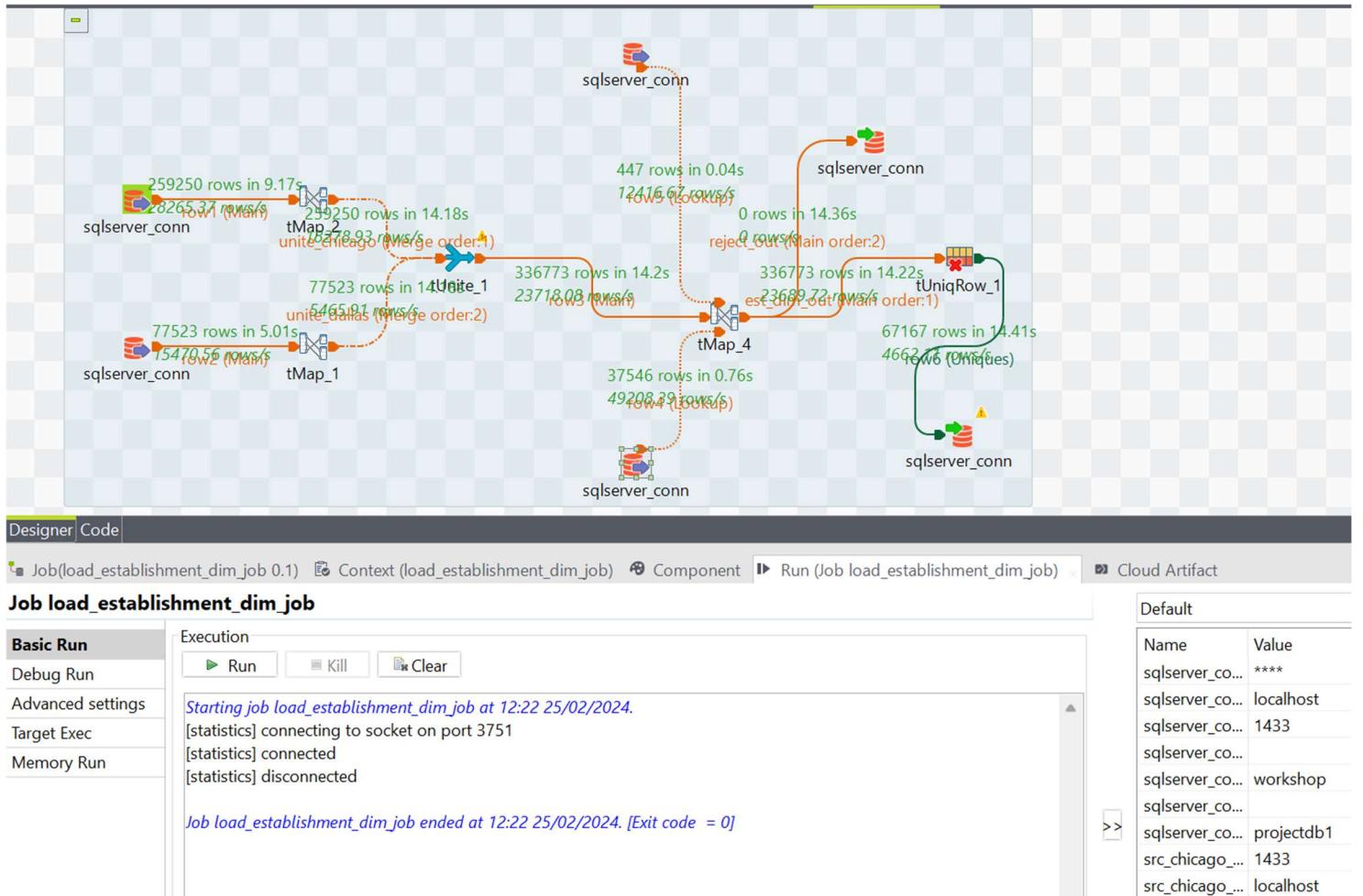
select count(*) as count from dim_address;
  
```

91 %

Results Messages

	count
1	37546

- Dim_establishment



SQLQuery4.sql - location (damgbi (83))*

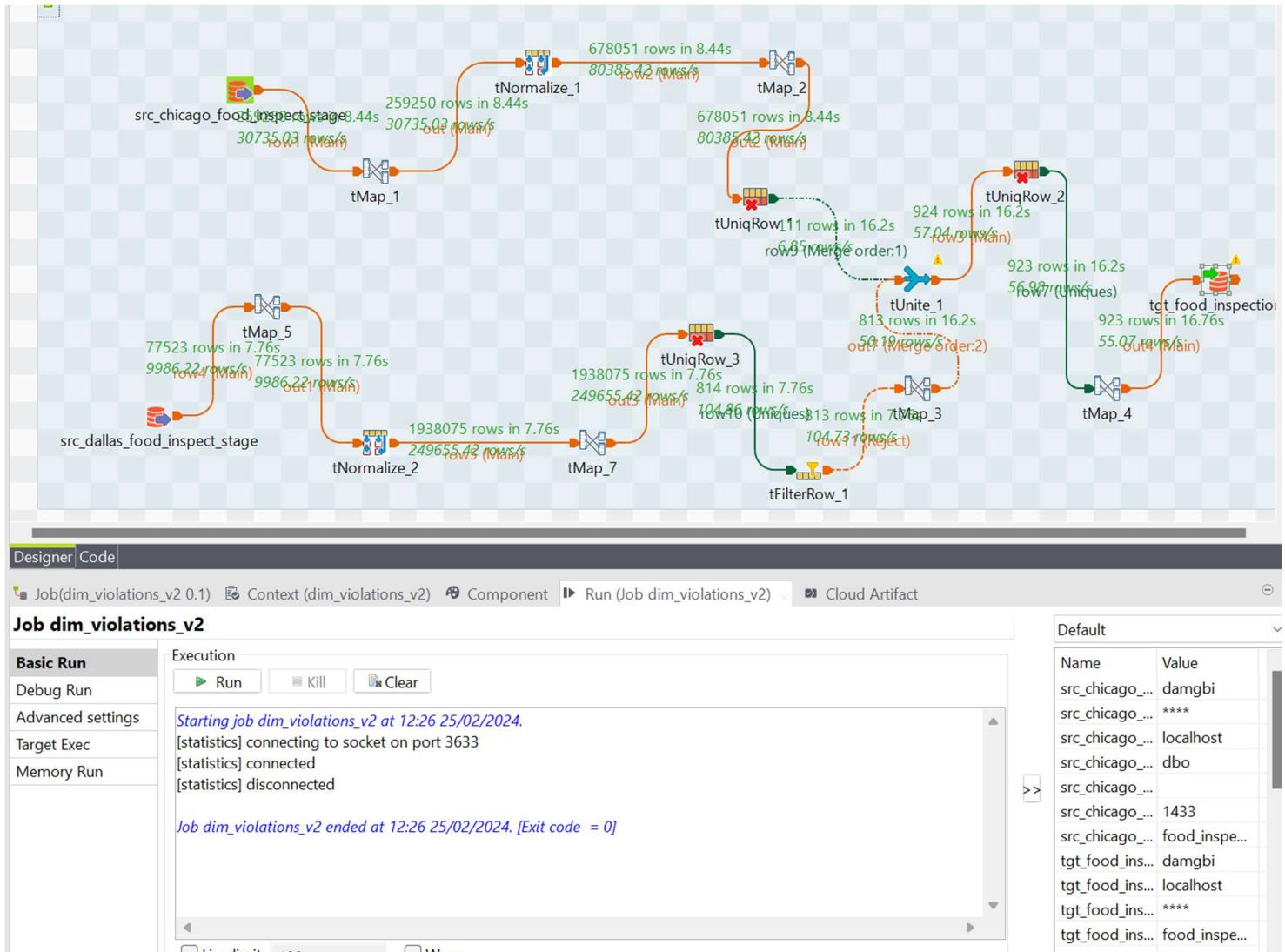
```
select count(*) as count from dim_establishment;
```

91 %

Results Messages

	count
1	67167

- Dim_violations



SQLQuery4.sql - loc...ction (damgbi (83))*

```
select count(*) as count from dim_violations;
```

Results

	count
1	923

- Fact_inspection

The diagram illustrates a complex data integration job named 'fact_inspection'. It starts with two source stages: 'src_dallas_food_inspect_stage' and 'src_chicago_food_inspect_stage'. The Dallas stage has 77523 rows, while the Chicago stage has 259250 rows. Both stages feed into 'tNormalize_2' and 'tNormalize_1' respectively. These normalization steps lead to various transformation steps like 'tMap_1' through 'tMap_16', which handle filtering, sorting, and merging of data from both sources. The job also includes logging components such as 'tLogRow_1' and 'tLogRow_2'. Finally, the data is loaded into a target table 'tgt_food_inspection'.

Execution Log:

- Starting job fact_inspection at 12:53 25/02/2024.
- [statistics] connecting to socket on port 3360
- [statistics] connected
- [statistics] disconnected
- Job fact_inspection ended at 12:54 25/02/2024. [Exit code = 0]

Job Configuration:

Name	Value
src_dallas_fo...	damgbi
src_dallas_fo...	****
src_dallas_fo...	localhost
src_dallas_fo...	dbo
src_dallas_fo...	...
src_dallas_fo...	1433
src_dallas_fo...	food_inspe...
src_chicago_...	1433
src_chicago_...	localhost
src chicago ...	damobi

SQLQuery4.sql - loc...ction (damgbi (83))* → X sql_validations.sql

```
select count(*) as count from fact_inspection;
```

91 %

Results Messages

	count
1	1319360

7. Data Visualization

Power BI

The screenshot shows a Power BI report titled "Count of Violation_id and Count of Establishment_id by Establishment_name". The visualization is a horizontal bar chart with "Establishment_name" on the Y-axis and "Count of Violation_id and Count of Establishment_id" on the X-axis. The top navigation bar includes "File", "Home", "Insert", "Modeling", "View", "Optimize", and "Help". The ribbon has tabs for "Get data", "Refresh", "New visual", "New measure", "Sensitivity", "Publish", and "Data". The left sidebar shows filters for "YEAR", "Month", and "CITY". The right sidebar contains sections for "Visualizations", "Filters", "Values", "Drill through", "Cross-report", "Keep all filters", and "Add drill-through fields here". The bottom navigation bar includes "Geographical", "Results", "Inspections", "Risk", "Establishment", and a "+" button. The status bar at the bottom indicates "Page 5 of 5" and "5:31 PM 2/25/2024".

The screenshot shows a Power BI report titled "Count of Inspection_id by Year and Risk_ctgry". The visualization is a line chart with "Year" on the X-axis and "Count of Inspection_id" on the Y-axis. Three data series are shown: High Risk (dark blue), Medium Risk (medium blue), and Low Risk (light blue). To the right of the chart are three large numerical values: "HIGH RISK 189.70K", "MEDIUM RISK 48.23K", and "LOW RISK 21.19K". The top navigation bar includes "File", "Home", "Insert", "Modeling", "View", "Optimize", and "Help". The ribbon has tabs for "Get data", "Refresh", "New visual", "New measure", "Sensitivity", "Publish", and "Data". The left sidebar shows filters for "Year" and "Risk Category". The right sidebar contains sections for "Visualizations", "Filters", "Values", "Drill through", "Cross-report", "Keep all filters", and "Add drill-through fields here". The bottom navigation bar includes "Geographical", "Results", "Inspections", "Risk", "Establishment", and a "+" button. The status bar at the bottom indicates "Page 4 of 5" and "5:31 PM 2/25/2024".

GroupProject_FinalBI • Last saved: Today at 5:30 PM ▾

File Home Insert Modeling View Optimize Help

Get data Refresh New visual New measure Publish

Visualizations Filters Data

Count of Inspection_id by Year

67.17K Count of Establishment_id

Geographical Results Inspections Risk Establishment +

Page 3 of 5

Feels colder Now Search 5:31 PM 2/25/2024

GroupProject_FinalBI • Last saved: Today at 5:30 PM ▾

File Home Insert Modeling View Optimize Help

Get data Refresh New visual New measure Publish

Visualizations Filters Data

Count of Inspection_id by Result

Result

Count of Inspection_id

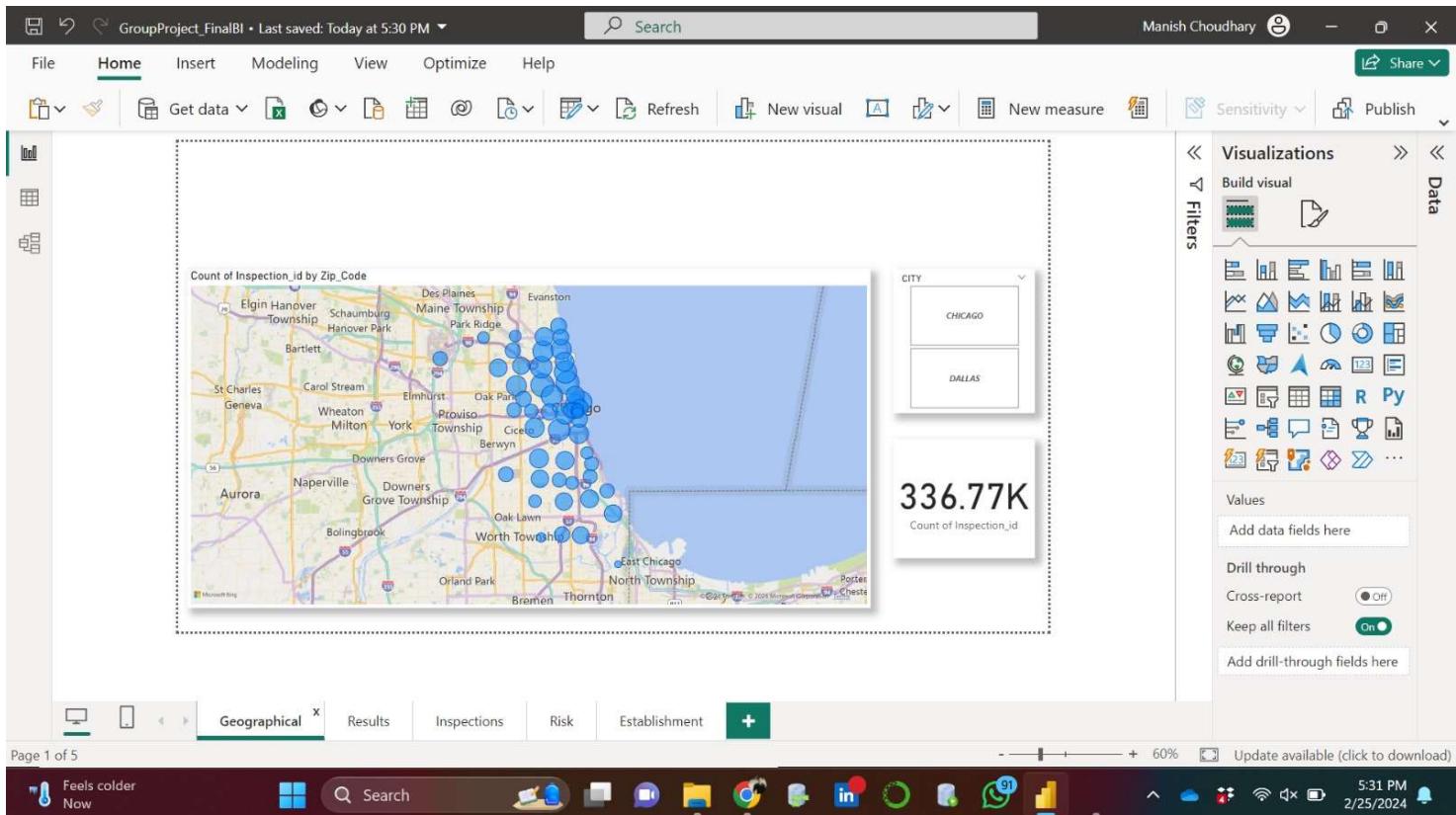
YEAR Month CITY Risk Category

YEAR	Month	CITY	Risk Category
All	Select all	CHICAGO	Select all
Quarter	March	DALLAS	Low
All	June		All
	September		Medium
	January		High
	April		Unknown
	July		
	October		
	February		
	May		
	August		
	November		

Geographical Results Inspections Risk Establishment +

Page 2 of 5

Feels colder Now Search 5:31 PM 2/25/2024



Tableau

