

## DATA VISUALIZATION OF FOOD INSPECTION

### SQL Query:

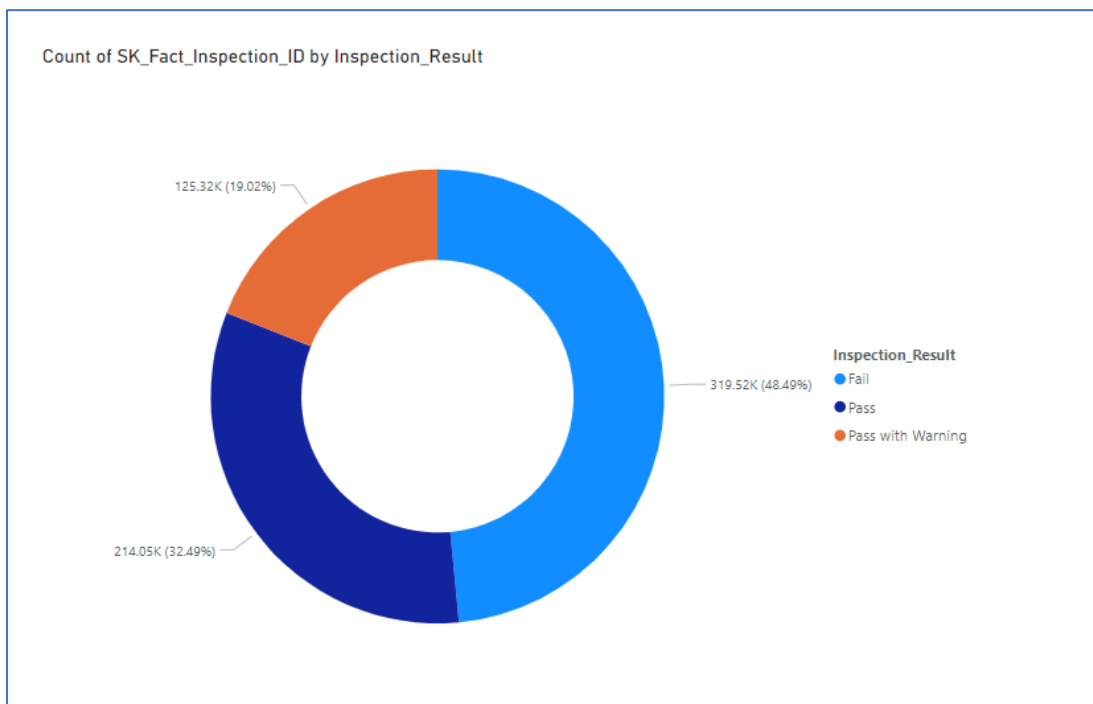
```
--  
select count(*) AS Total_Count,f.inspection_result  
from Fact_Inspection f  
join dim_inspection d  
on f.sk_inspection_id=d.sk_inspection_id  
group by f.inspection_result;
```

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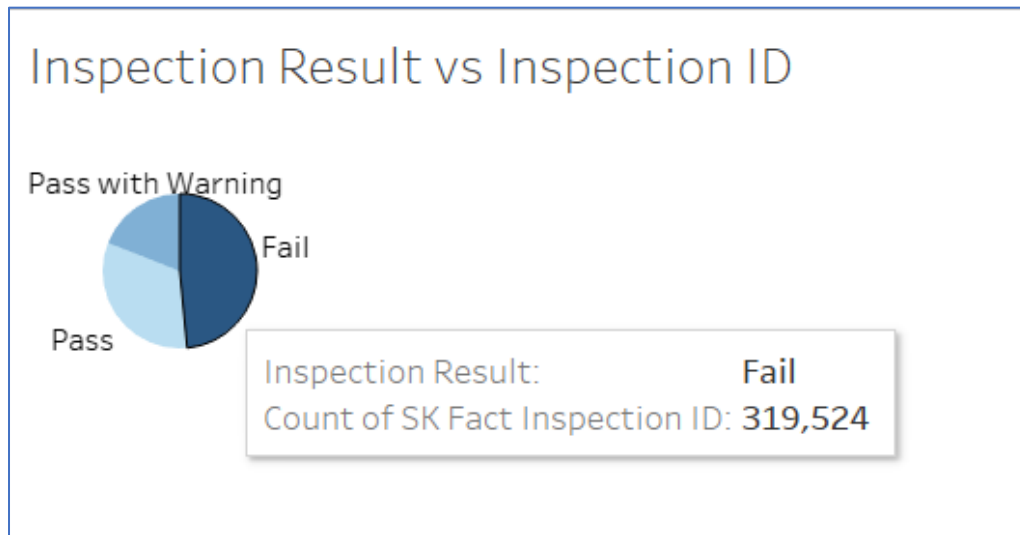
Results Messages

	Total_Count	inspection_result
1	125322	Pass with Warning
2	214049	Pass
3	319524	Fail

### PowerBI:



## Tableau:



## Q2. SQL Query:

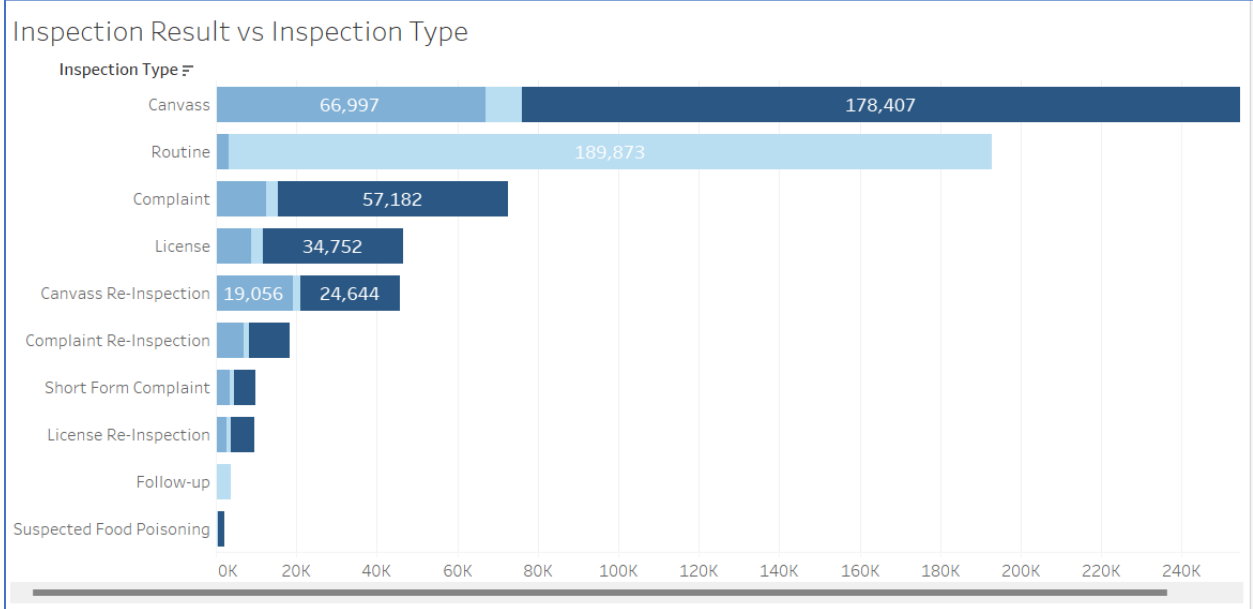
```
--2.Inspection result y inspection type
select TOP 10 count(*) As Total_Count ,d.inspection_type,f.Inspection_Result
from Fact_Inspection f join dim_inspection d
on f.sk_inspection_id=d.sk_inspection_id
group by d.inspection_type,f.Inspection_Result
order by Total_Count DESC;
```

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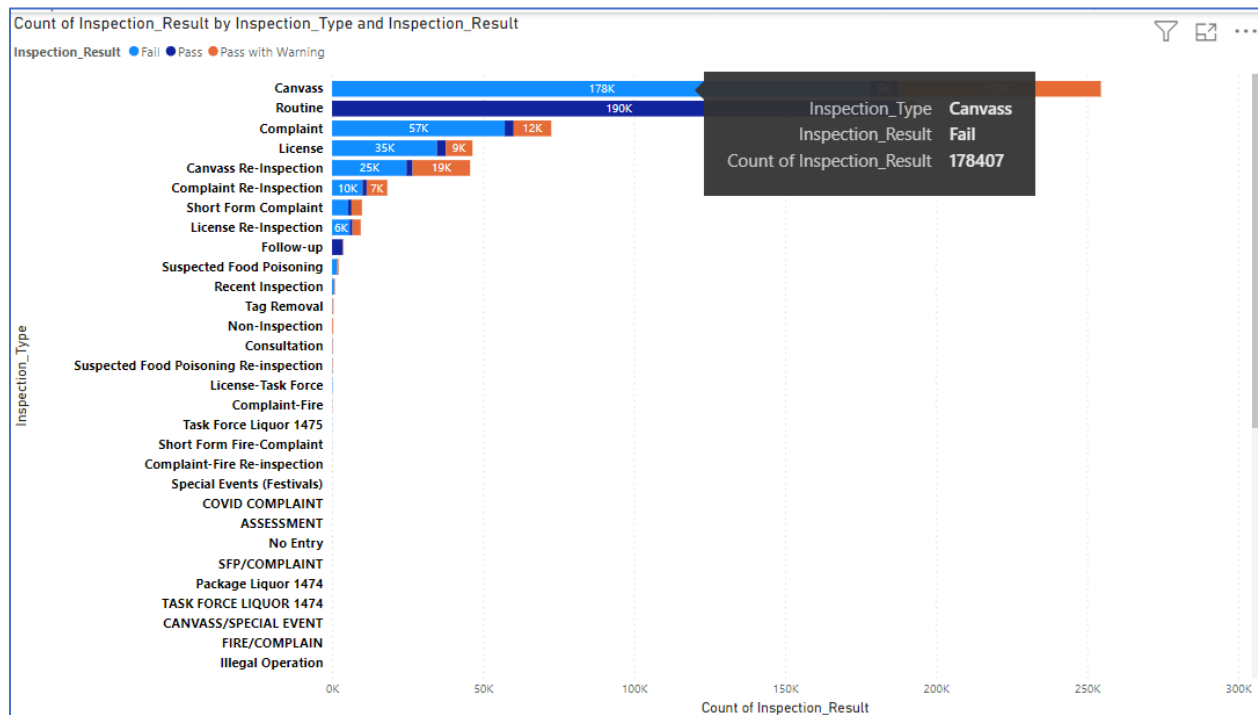
Results Messages

	Total_Count	inspection_type	Inspection_Result
1	189873	Routine	Pass
2	178407	Canvass	Fail
3	66997	Canvass	Pass with Warning
4	57182	Complaint	Fail
5	34752	License	Fail
6	24644	Canvass Re-Inspection	Fail
7	19056	Canvass Re-Inspection	Pass with Warning
8	12447	Complaint	Pass with Warning
9	10089	Complaint Re-Inspection	Fail
10	9165	Canvass	Pass

## PowerBI:



## Tableau:



### Q3. SQL Query:

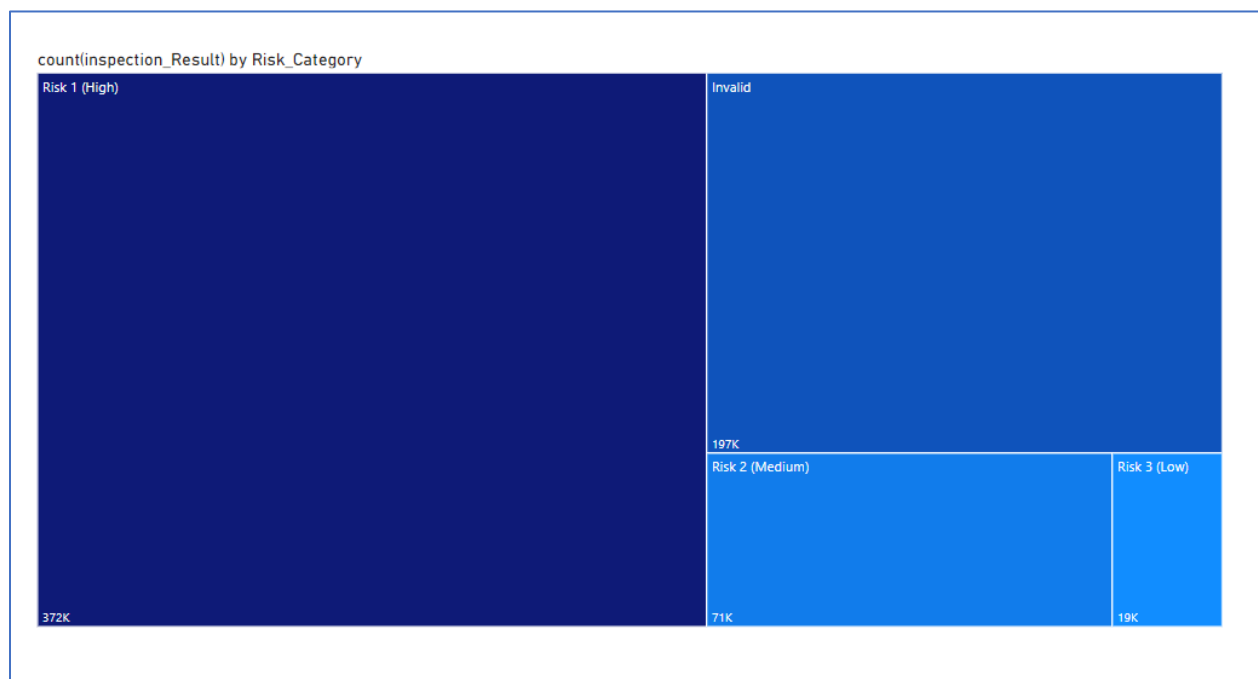
```
--3.Inspection result by risk category
select count(*) AS Total_Count,d.risk_category from Fact_Inspection f
join dim_inspection d
on f.sk_inspection_id=d.sk_inspection_id
group by d.risk_category;
```

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Results Messages

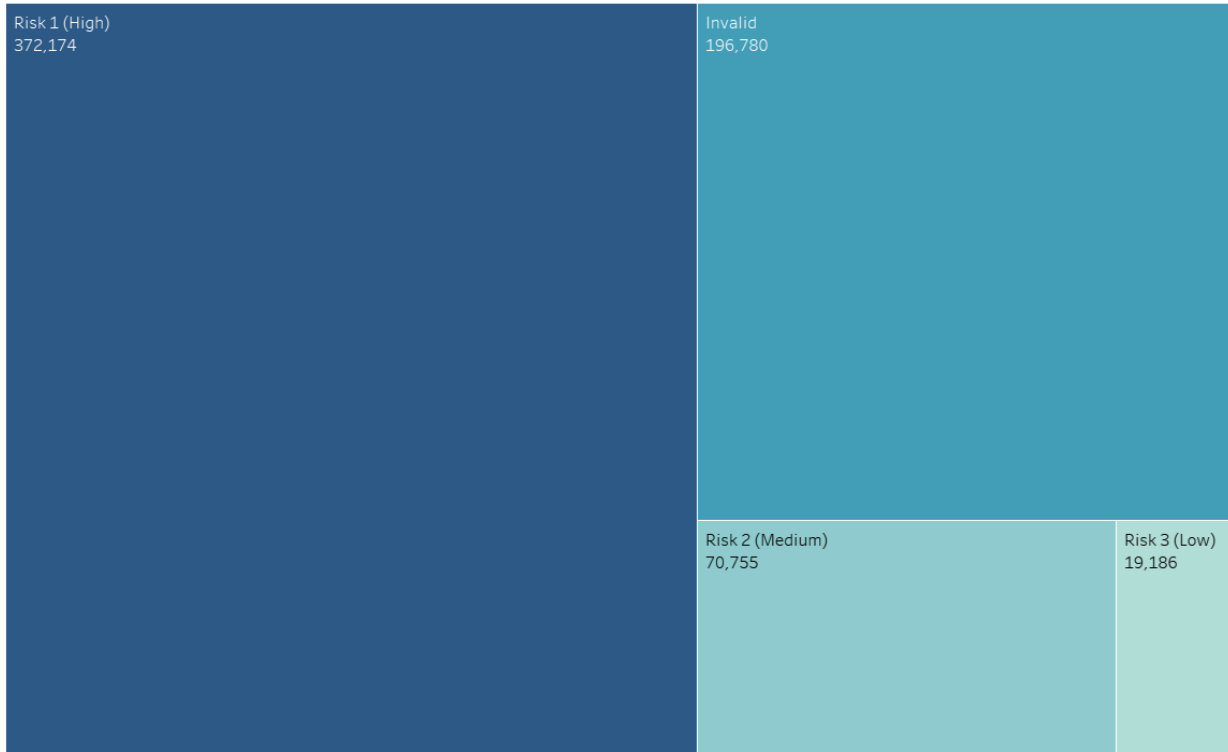
	Total_Count	risk_category
1	372174	Risk 1 (High)
2	70755	Risk 2 (Medium)
3	19186	Risk 3 (Low)
4	196780	Invalid

### PowerBI:



## Tableau:

Inspection Result vs Risk Category



## Q4. SQL Query:

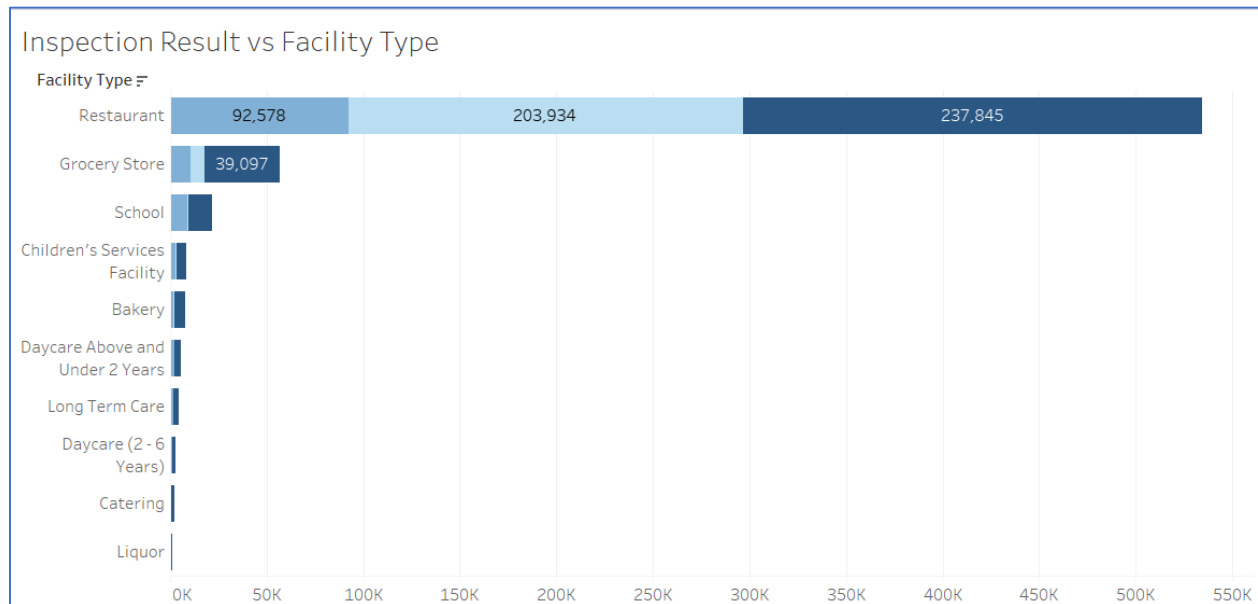
```
--4.
Select top 10 f.Facility_Type, Count(i.Inspection_Result) AS Total_Count ,i.Inspection_Result from Fact_Inspection i
join Dim_Facility f on
i.SK_Facility_ID = f.SK_Facility_ID
Group by f.Facility_Type, i.Inspection_Result
order by Total_Count DESC
```

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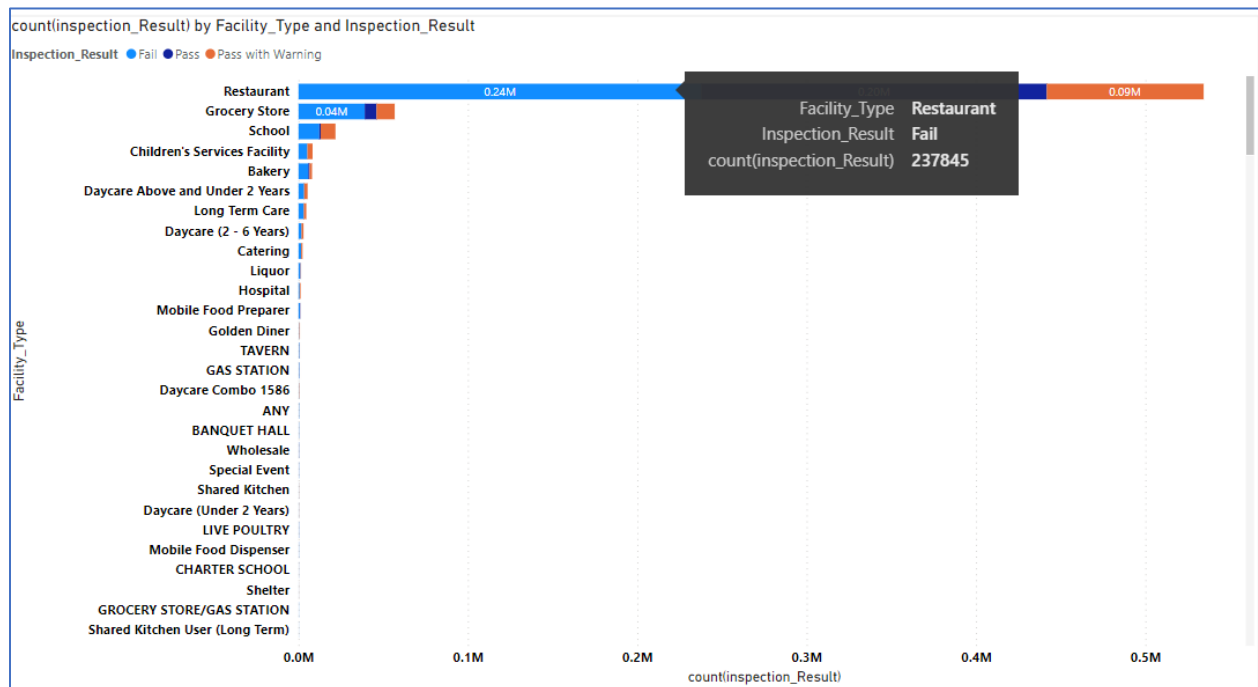
Results Messages

	Facility_Type	Total_Count	Inspection_Result
1	Restaurant	237845	Fail
2	Restaurant	203934	Pass
3	Restaurant	92578	Pass with Warning
4	Grocery Store	39097	Fail
5	School	12257	Fail
6	Grocery Store	10712	Pass with Warning
7	School	8734	Pass with Warning
8	Grocery Store	6980	Pass
9	Bakery	5788	Fail
10	Children's Services Facility	5239	Fail

## Tableau:



## PowerBI:



## Q5. SQL Query:

```
--5
SELECT v.SK_Violation_ID, v.Violation_Code, v.Violation_Description, Count(i.Inspection_Result) AS Total_count, i.Inspection_Result
from Fact_Inspection i
join Dim_Violation v
on i.SK_Violation_ID = v.SK_Violation_ID
Group by v.SK_Violation_ID, v.Violation_Code, v.Violation_Description, i.Inspection_Result
ORDER BY v.SK_Violation_ID
```

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Results Messages

	SK_Violation_ID	Violation_Code	Violation_Description	Total_count	Inspection_Result
1	1	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	37888	Fail
2	1	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	17842	Pass with Warning
3	1	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	2907	Pass
4	2	49	NON-FOOD/FOOD CONTACT SURFACES CLEAN	6424	Pass with Warning
5	2	49	NON-FOOD/FOOD CONTACT SURFACES CLEAN	13378	Fail
6	2	49	NON-FOOD/FOOD CONTACT SURFACES CLEAN	862	Pass
7	3	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND...	2778	Pass with Warning
8	3	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND...	405	Pass
9	3	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND...	17067	Fail
10	4	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	115	Pass
11	4	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	942	Pass with Warning
12	4	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	4563	Fail
13	5	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & ...	745	Pass
14	5	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & ...	3811	Pass with Warning
15	5	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & ...	8252	Fail
16	6	56	ADEQUATE VENTILATION & LIGHTING, DESIGNATED AREAS U...	5128	Pass with Warning
17	6	56	ADEQUATE VENTILATION & LIGHTING, DESIGNATED AREAS U...	543	Pass
18	6	56	ADEQUATE VENTILATION & LIGHTING, DESIGNATED AREAS U...	11585	Fail
19	7	58	ALLERGEN TRAINING AS REQUIRED	11680	Fail
20	7	58	ALLERGEN TRAINING AS REQUIRED	3493	Pass with Warning
21	7	58	ALLERGEN TRAINING AS REQUIRED	43	Pass
22	8	40	PERSONAL CLEANLINESS	163	Pass
23	8	40	PERSONAL CLEANLINESS	800	Pass with Warning
24	8	40	PERSONAL CLEANLINESS	2453	Fail
25	9	37	FOOD PROPERLY LABELED, ORIGINAL CONTAINER	2356	Pass with Warning
26	9	37	FOOD PROPERLY LABELED, ORIGINAL CONTAINER	7251	Fail
27	9	37	FOOD PROPERLY LABELED, ORIGINAL CONTAINER	236	Pass
28	10	8	HANDS CLEAN & PROPERLY WASHED	588	Fail
29	10	8	HANDS CLEAN & PROPERLY WASHED	2	Pass with Warning
30	11	15	FOOD SEPARATED AND PROTECTED	20	Pass with Warning
31	11	15	FOOD SEPARATED AND PROTECTED	449	Fail
32	11	15	FOOD SEPARATED AND PROTECTED	2	Pass
33	12	22	PROPER COLD HOLDING TEMPERATURES	3	Pass

Query executed successfully. VAISHVEER (16.0 RTM) VAISHVEER\vaish (64) Food\_Inspection 00:00:00 282 rows

**Tableau:**

Inspection Result vs Violation Code & Violation Description					
SK Violation ID (DIM Violation)	Violation..	Violation Description	Inspection Result		
			Fail	Pass	Pass with Warning
1	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	37,888	2,907	1
2	49	NON-FOOD/FOOD CONTACT SURFACES CLEAN	13,378	862	0
3	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND ACCESSI..	17,067	405	2
4	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	4,563	115	0
5	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & CLEAN..	8,252	745	3
6	56	ADEQUATE VENTILATION & LIGHTING; DESIGNATED AREAS USED	11,585	543	4
7	58	ALLERGEN TRAINING AS REQUIRED	11,680	43	2
8	40	PERSONAL CLEANLINESS	2,453	163	0
9	37	FOOD PROPERLY LABELED; ORIGINAL CONTAINER	7,251	236	2
10	8	HANDS CLEAN & PROPERLY WASHED	588		
11	15	FOOD SEPARATED AND PROTECTED	449	2	
12	22	PROPER COLD HOLDING TEMPERATURES	4,299	3	
13	25	CONSUMER ADVISORY PROVIDED FOR RAW/UNDERCOOKED FOOD	5,269	3	
14	33	PROPER COOLING METHODS USED; ADEQUATE EQUIPMENT FOR TEMP..	2,935	3	
15	39	CONTAMINATION PREVENTED DURING FOOD PREPARATION, STOR..	5,306	200	2
16	43	IN-USE UTENSILS: PROPERLY STORED	1,762	49	
17	45				



## PowerBI:

SK_Violation_ID	Violation_Code	Violation_Description	count(inspection_Result)	Inspection_Result
1	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	37888	Fail
1	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	2907	Pass
1	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	17842	Pass with Warning
2	49	NON-FOOD/FOOD CONTACT SURFACES CLEAN	13378	Fail
2	49	NON-FOOD/FOOD CONTACT SURFACES CLEAN	862	Pass
2	49	NON-FOOD/FOOD CONTACT SURFACES CLEAN	6424	Pass with Warning
3	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND ACCESSIBLE	17067	Fail
3	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND ACCESSIBLE	405	Pass
3	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND ACCESSIBLE	2778	Pass with Warning
4	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	4563	Fail
4	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	115	Pass
4	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	942	Pass with Warning
5	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & CLEANED	8252	Fail
5	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & CLEANED	745	Pass
5	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & CLEANED	3811	Pass with Warning
6	56	ADEQUATE VENTILATION & LIGHTING; DESIGNATED AREAS USED	11585	Fail
6	56	ADEQUATE VENTILATION & LIGHTING; DESIGNATED AREAS USED	543	Pass
6	56	ADEQUATE VENTILATION & LIGHTING; DESIGNATED AREAS USED	5128	Pass with Warning
7	58	ALLERGEN TRAINING AS REQUIRED	11680	Fail
7	58	ALLERGEN TRAINING AS REQUIRED	43	Pass
7	58	ALLERGEN TRAINING AS REQUIRED	3493	Pass with Warning
8	40	PERSONAL CLEANLINESS	2453	Fail
8	40	PERSONAL CLEANLINESS	163	Pass
8	40	PERSONAL CLEANLINESS	800	Pass with Warning
9	37	FOOD PROPERLY LABELED; ORIGINAL CONTAINER	7251	Fail
9	37	FOOD PROPERLY LABELED; ORIGINAL CONTAINER	236	Pass
9	37	FOOD PROPERLY LABELED; ORIGINAL CONTAINER	2356	Pass with Warning
10	8	HANDS CLEAN & PROPERLY WASHED	588	Fail
10	8	HANDS CLEAN & PROPERLY WASHED	2	Pass with Warning
Total			658895	

## Q6. SQL Query:

SQLQuery1.sql - VA\_SHVEER\vaish (64)\*

```
--6
Select f.Facility_Name, f.Facility_AKA_Name, f.Facility_License, i.Inspection_Result
from Fact_Inspection i
join Dim_Facility f on i.SK_Facility_ID = f.SK_Facility_ID
```

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Results Messages

	Facility_Name	Facility_AKA_Name	Facility_License	Inspection_Result
1	TEN CAT TAVERN	TEN CAT TAVERN	2912103	Pass with Warning
2	TEN CAT TAVERN	TEN CAT TAVERN	2912103	Pass with Warning
3	PITA EXPRESS LLC	PITA EXPRESS	2890634	Fail
4	PITA EXPRESS LLC	PITA EXPRESS	2890634	Fail
5	PITA EXPRESS LLC	PITA EXPRESS	2890634	Fail
6	PITA EXPRESS LLC	PITA EXPRESS	2890634	Fail
7	PITA EXPRESS LLC	PITA EXPRESS	2890634	Pass with Warning
8	PITA EXPRESS LLC	PITA EXPRESS	2890634	Pass with Warning
9	PITA EXPRESS LLC	PITA EXPRESS	2890634	Pass with Warning
10	PITA EXPRESS LLC	PITA EXPRESS	2890634	Pass with Warning
11	PITA EXPRESS LLC	PITA EXPRESS	2890634	Pass with Warning
12	PITA EXPRESS LLC	PITA EXPRESS	2890634	Fail
13	ALLEND RESTAURANT #2	ALLEND RESTAURANT #2	2900844	Pass with Warning
14	ALLEND RESTAURANT #2	ALLEND RESTAURANT #2	2900844	Pass with Warning
15	ALLEND RESTAURANT #2	ALLEND RESTAURANT #2	2900844	Pass with Warning
16	ALLEND RESTAURANT #2	ALLEND RESTAURANT #2	2900844	Pass with Warning
17	ALLEND RESTAURANT #2	ALLEND RESTAURANT #2	2900844	Pass with Warning
18	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Fail
19	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Pass with Warning
20	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Fail
21	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Fail
22	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Fail
23	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Fail
24	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Fail
25	DOLLAR TREE #9190	DOLLAR TREE #9190	2882502	Fail
26	WI JAMMIN	WI JAMMIN	2873090	Pass with Warning
27	WI JAMMIN	WI JAMMIN	2873090	Pass with Warning
28	WI JAMMIN	WI JAMMIN	2873090	Pass with Warning
29	WI JAMMIN	WI JAMMIN	2873090	Pass with Warning
30	WI JAMMIN	WI JAMMIN	2873090	Fail
31	WI JAMMIN	WI JAMMIN	2873090	Fail
32	WI JAMMIN	WI JAMMIN	2873090	Fail
33	WI JAMMIN	WI JAMMIN	2873090	Fail
34	WI JAMMIN	WI JAMMIN	2873090	Fail
35	WI JAMMIN	WI JAMMIN	2873090	Fail
36	WI JAMMIN	WI JAMMIN	2873090	Fail
37	WI JAMMIN	WI JAMMIN	2873090	Fail
38	WI JAMMIN	WI JAMMIN	2873090	Fail
39	WI JAMMIN	WI JAMMIN	2873090	Pass with Warning

Query executed successfully. VAISHVEER (16.0 RTM) | VAISHVEER\vaish (64) | Food\_Inspection | 00:00:03 | 658,895 rows

```
--6
Select f.Facility_Name, f.Facility_AKA_Name, f.Facility_License, i.Inspection_Result
from Fact_Inspection i
join Dim_Facility f on i.SK_Facility_ID = f.SK_Facility_ID
where f.Facility_License=1885022
```

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Results Messages

	Facility_Name	Facility_AKA_Name	Facility_License	Inspection_Result
1	1 2 3 EXPRESS	1 2 3 EXPRESS	1885022	Fail
2	1 2 3 EXPRESS	1 2 3 EXPRESS	1885022	Fail
3	1 2 3 EXPRESS	1 2 3 EXPRESS	1885022	Pass with Warning
4	1 2 3 EXPRESS	1 2 3 EXPRESS	1885022	Pass with Warning

## **Tableau:**

Inspection Result vs Facility Name & License					
Facility Name	Facility AKA Name	Facility License	Inspection Result		
			Fail	Pass	Pass with Warning
1 2 3 EXPRESS	1 2 3 EXPRESS	1885022	Fail		Pass with Warning
1 ABC BEER & WINE	1 ABC BEER & WINE	-9999		Pass	
1 FISH 2 FISH	RED FISH BLEU FISH	2583393	Fail		Pass with Warning
1 JACKPOT MINI MART, INC.	1 JACKPOT MINI MART, INC.	2177115		Pass	
1 KARACHI CHAAT HOUSE	1 KARACHI CHAAT HOUSE	2901121	Fail		
1 N WACKER KITCHEN AND ..	1 N WACKER KITCHEN AND B..	2550171	Fail		Pass with Warning
1 QUICK STOP FOOD MART	1 QUICK STOP FOOD MART	-9999		Pass	
1 SHOP & SAVE, INC	1 SHOP & SAVE, INC	2523713	Fail		
1 SHOP C-STORE	1 SHOP C-STORE	-9999		Pass	
1 STOP	1 STOP	-9999		Pass	
1 STOP & SHOP INC.	1 STOP & SHOP INC.	2394848	Fail	Pass	
1 STOP CONVENIENCE	1 STOP CONVENIENCE	-9999		Pass	
1 STOP MARKET & GRILL	1 STOP MARKET & GRILL	2952190			Pass with Warning
1 STOP MART	1 STOP MART	-9999		Pass	
1 WAY'S	1 WAY'S	-9999		Pass	
1-94 RIBS & GRILL	1-94 RIBS & GRILL	2500823	Fail		Pass with Warning
1-QUICK STOP	1-QUICK STOP	-9999		Pass	
1-STOP SHOP	1-STOP SHOP	-9999		Pass	
1,4,3,7 SOUL RESTAURANT	1,4,3,7 SOUL RESTAURANT	2632112	Fail		
1,200 SQ.FT. - YEMEN REST..	YEMEN RESTAURANT	2088929	Fail		Pass with Warning
1.00 PLUS STORE	1.00 PLUS STORE	-9999		Pass	
1ST CHOICE FOOD MART	1ST CHOICE FOOD MART	-9999		Pass	
1ST CHOICE GROCERY	1ST CHOICE GROCERY	-9999		Pass	
1ST CHOP SUEY	1ST CHOP SUEY	58750		Pass	
1ST FRUITS ACADEMY INC	ANY	2054460	Fail		
1st HUNAN SPRING, INC	1ST HUNAN SPRING	2303648	Fail		Pass with Warning
1ST UNITED METHODIST C..	1ST UNITED METHODIST CHU..	1737191			Pass with Warning
1STFLOOR KITCHEN & BAR	1STFLOOR KITCHEN & BAR	-9999		Pass	
1UP FOOD ARCADE	1UP FOOD ARCADE	2785939	Fail		
2 AND 1 RESTAURANT	2 AND 1 RESTAURANT	-9999		Pass	
2 AT&T FOOD HALL - COMM..	2 AT&T FOOD HALL - COMMO..	-9999		Pass	
2 BROTHERS FOOD MART, I..	2 BROTHERS FOOD MART, INC	2791933		Pass	
2 PLUS	2 PLUS	1621504	Fail		

## PowerBI:

Facility_Name	Facility_AKA_Name	Facility_License	Inspection_Result	Month	Year
- KPMG	- KPMG	-9999	Pass	6	2019
- KPMG	- KPMG	-9999	Pass	6	2021
"LET'S DO LUNCH"	"LET'S DO LUNCH"	-9999	Pass	2	2017
"LET'S DO LUNCH"	"LET'S DO LUNCH"	-9999	Pass	2	2018
"LET'S DO LUNCH"	"LET'S DO LUNCH"	-9999	Pass	2	2019
"LET'S DO LUNCH"	"LET'S DO LUNCH"	-9999	Pass	2	2020
"LET'S DO LUNCH"	"LET'S DO LUNCH"	-9999	Pass	8	2017
"LET'S DO LUNCH"	"LET'S DO LUNCH"	-9999	Pass	8	2018
"LET'S DO LUNCH"	"LET'S DO LUNCH"	-9999	Pass	8	2019
#1 CHAMPION BILLIARD # GAMES	#1 CHAMPION BILLIARD # GAMES	-9999	Pass	3	2022
#1 CHAMPION BILLIARD # GAMES	#1 CHAMPION BILLIARD # GAMES	-9999	Pass	4	2023
#1 CHAMPION BILLIARD & GAMES	#1 CHAMPION BILLIARD & GAMES	-9999	Pass	1	2018
#1 CHAMPION BILLIARD & GAMES	#1 CHAMPION BILLIARD & GAMES	-9999	Pass	2	2019
#1 CHAMPION BILLIARD & GAMES	#1 CHAMPION BILLIARD & GAMES	-9999	Pass	3	2017
#1 CHAMPION BILLIARD & GAMES	#1 CHAMPION BILLIARD & GAMES	-9999	Pass	7	2018
#1 CHINA EXPRESS, LTD.	#1 CHINA EXPRESS , LTD	1869616	Pass with Warning	11	2010
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Fail	1	2020
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Fail	2	2015
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Fail	4	2019
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Fail	6	2014
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Fail	6	2016
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Fail	11	2015
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	1	2011
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	2	2013
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	2	2022
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	3	2017
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	3	2020
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	4	2012
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	6	2010
#1 CHOP SUEY	#1 CHOP SUEY	1970042	Pass with Warning	6	2011

\*License Number assigned for Dallas:  
-9999\*

## Q7. SQL Query:

```

Select l.Latitude, l.Longitude, Count(i.Inspection_Result) AS Total_Count from Fact_Inspection i
join Dim_Facility f on i.SK_Facility_ID = f.SK_Facility_ID
join Dim_Location l on f.FK_Location_ID = l.SK_Location_ID
Group by l.Latitude, l.Longitude

```

	Latitude	Longitude	Total_Count
1	41.91094	-87.72133	13
2	41.79533	-87.58501	4
3	41.9613	-87.70795	79
4	41.92471	-87.69607	69
5	41.77249	-87.637	59
6	41.8949	-87.76984	50
7	41.92888	-87.80628	56
8	42.00263	-87.67233	68
9	41.96148	-87.66957	45
10	41.76731	-87.58581	13
11	41.93576	-87.71814	18
12	41.91077	-87.65046	72
13	41.97577	-87.78522	10
14	42.00273	-87.8163	2
15	41.96796	-87.76065	7
16	41.85427	-87.63219	74
17	42.01226	-87.80678	90
18	41.92176	-87.65941	12
19	41.78431	-87.66206	25
20	41.79358	-87.70671	66
21	41.95037	-87.70807	45
22	41.88562	-87.6348	4
23	41.9478	-87.80695	3
24	41.89177	-87.65861	55
25	32.7822	-96.79562	1
26	41.77337	-87.57664	5
27	41.96799	-87.74065	19
28	41.9115	-87.63486	39
29	41.84456	-87.71007	5
30	41.92378	-87.64616	6
31	41.98135	-87.70867	30
32	41.88921	-87.63387	25
33	41.96074	-87.68355	30
34	41.85212	-87.6719	42
35	41.85182	-87.69313	34

Query executed successfully. VAISHVEER (16.0 RTM) VAISHVEER(vaish (64) Food\_Inspection 00:00:00 19,816 rows

PowerBI:

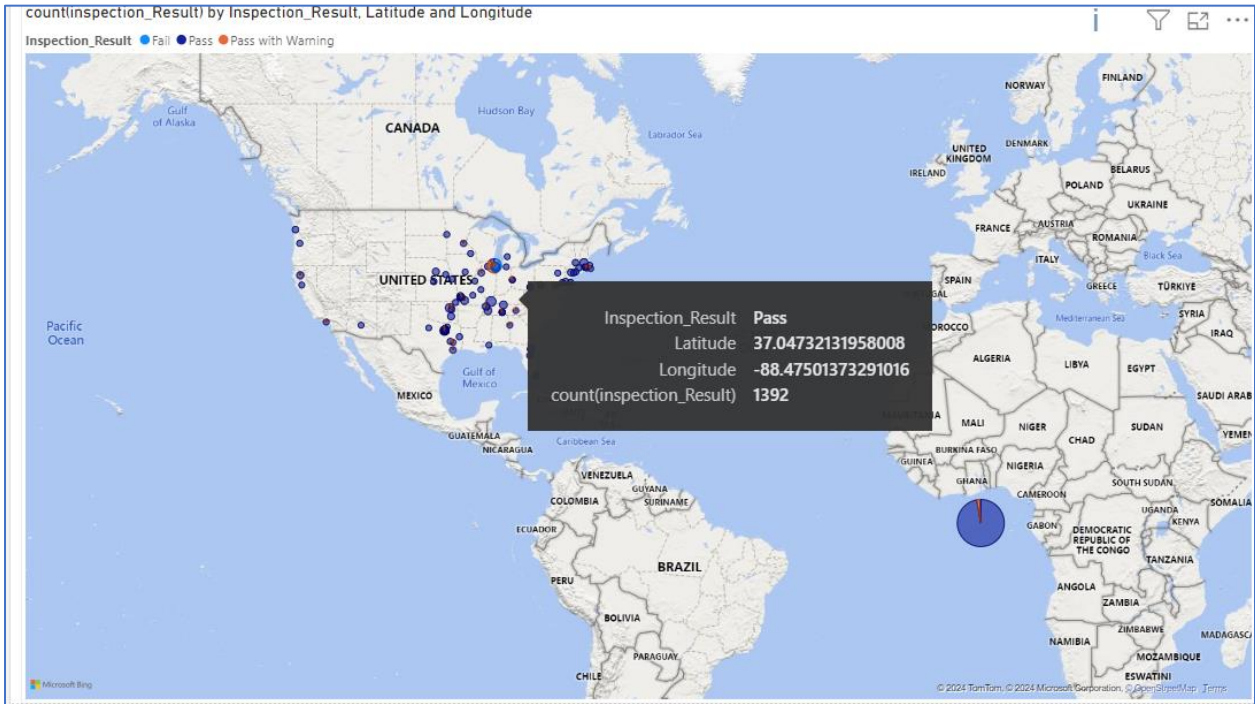
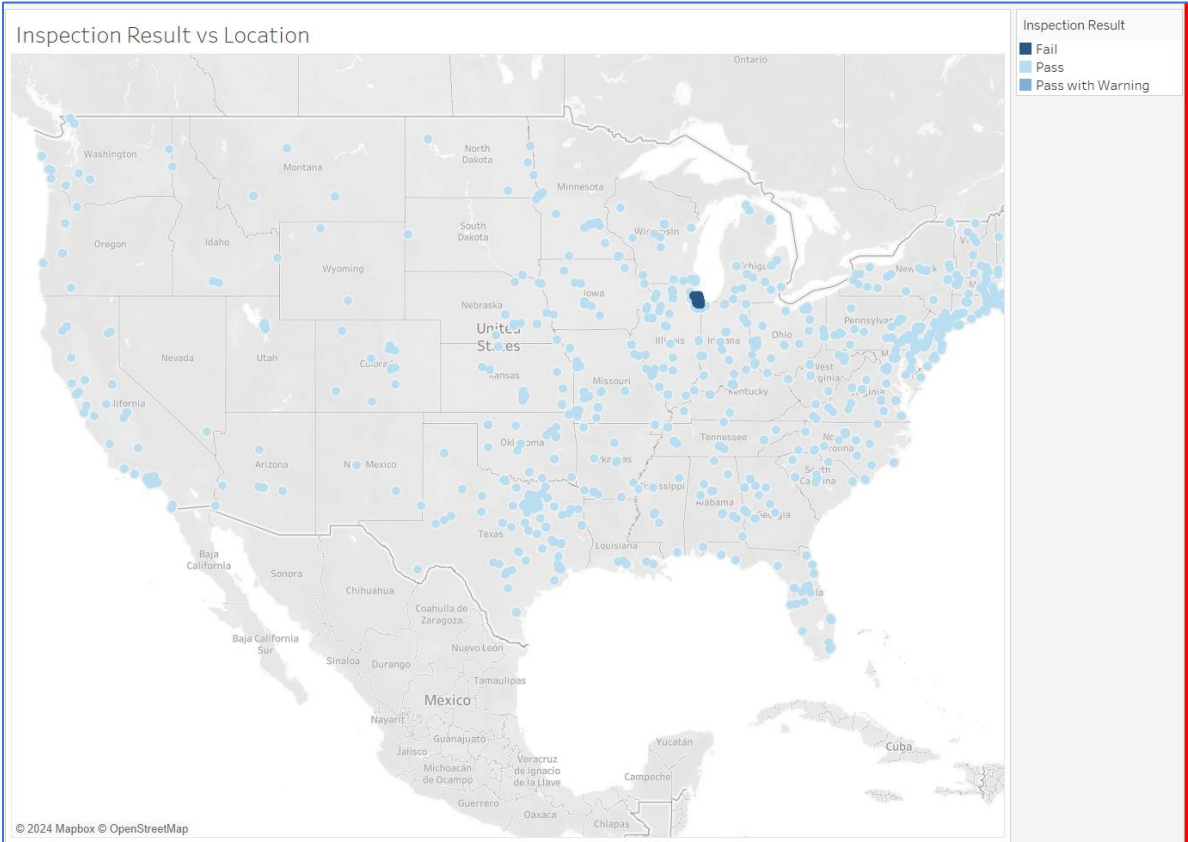


Tableau:



## Q8.SQL Query:

Data Validation-SQ...SHVEER(vaish (64))

```
SELECT i.Inspection_ID, f.Facility_License, v.Violation_Code, v.Violation_Description, v.Inspector_Comments, fi.Inspection_Result
from Fact_Inspection fi
join Dim_Violation v
on fi.SK_Violation_ID = v.SK_Violation_ID
join Dim_Facility f on fi.SK_Facility_ID = f.SK_Facility_ID
join Dim_Inspection i on fi.SK_Inspection_ID = i.SK_Inspection_ID
```

110 %

Results Messages

	Inspection_ID	Facility_License	Violation_Code	Violation_Description	Inspector_Comments	Inspection_Result
1	2588719	1426374	51	PLUMBING INSTALLED; PROPER BACKFLOW DEVICES	3-COMPARTMENT SINK MIDDLE COMPARTMENT PIPE DRAINING	Fail
2	2588719	1426374	57	ALL FOOD EMPLOYEES HAVE FOOD HANDLER TRAINING	NO PROOF OF FOOD HANDLER TRAINING OR CERTIFICATES FO	Fail
3	2588719	1426374	56	ADEQUATE VENTILATION & LIGHTING. DESIGNATED AREAS USED	MUST CLEAN THE FILTERS AND HOOD ABOVE THE COOKING E...	Fail
4	2588719	1426374	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	6-501.114 NOTED HEAVY CLUTTER THROUGHOUT ESTABLISH...	Fail
5	2588719	1426374	48	WAREWASHING FACILITIES. INSTALLED, MAINTAINED & USED; T...	OBSERVED NO CHEMICAL TEST KIT ON SITE FOR MEASURING ...	Fail
6	2588719	1426374	48	WAREWASHING FACILITIES. INSTALLED, MAINTAINED & USED; T...	OBSERVED NO CHEMICAL TEST KIT ON SITE FOR MEASURING ...	Fail
7	2588719	1426374	47	FOOD & NON-FOOD CONTACT SURFACES CLEANABLE, PROPER...	MUST NOT USE INVERTED METAL PANS AS SHELVEING THROU...	Fail
8	2588719	1426374	39	CONTAMINATION PREVENTED DURING FOOD PREPARATION, S...	OBSERVED COOKED SAUSAGE AND COOKED BACON STORED L...	Fail
9	2588719	1426374	13	FOOD IN GOOD CONDITION, SAFE, & UNADULTERATED	OBSERVED MULTIPLE DELI MEATS IN PREP COOLER WITH OV...	Fail
10	2588719	1426374	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND A...	OBSERVED MISSING HANDWASH SIGNAGE ON EIGHTEENTH F...	Fail
11	2588719	1426374	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND A...	OBSERVED MISSING HANDWASH SIGNAGE ON EIGHTEENTH F...	Fail
12	2588719	1426374	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND A...	OBSERVED MISSING HANDWASH SIGNAGE ON EIGHTEENTH F...	Fail
13	2588719	1426374	3	MANAGEMENT, FOOD EMPLOYEE AND CONDITIONAL EMPLOYE...	NO VERIFIED WRITTEN EMPLOYEE HEALTH POLICY FOR ALL E...	Fail
14	2588061	2948333	48	WAREWASHING FACILITIES. INSTALLED, MAINTAINED & USED; T...	OBSERVED NO CHEMICAL TEST KIT ON SITE FOR MEASURING ...	Pass
15	2586456	2929117	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND A...	OBSERVED MISSING HANDWASH SIGNAGE ON EIGHTEENTH F...	Pass with Warning
16	2585043	2939173	51	PLUMBING INSTALLED; PROPER BACKFLOW DEVICES	3-COMPARTMENT SINK MIDDLE COMPARTMENT PIPE DRAINING	Pass
17	2585019	2621661	51	PLUMBING INSTALLED; PROPER BACKFLOW DEVICES	3-COMPARTMENT SINK MIDDLE COMPARTMENT PIPE DRAINING	Pass with Warning
18	2585019	2621661	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND A...	OBSERVED MISSING HANDWASH SIGNAGE ON EIGHTEENTH F...	Pass with Warning
19	2585019	2621661	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	6-501.114 NOTED HEAVY CLUTTER THROUGHOUT ESTABLISH...	Pass with Warning
20	2584866	2938991	56	ADEQUATE VENTILATION & LIGHTING. DESIGNATED AREAS USED	MUST CLEAN THE FILTERS AND HOOD ABOVE THE COOKING E...	Pass with Warning
21	2584735	2896351	16	FOOD-CONTACT SURFACES: CLEANED & SANITIZED	MUST CLEAN AND MAINTAIN THE INTERIOR OF THE ICE MACHIL...	Pass
22	2583386	2929234	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & C...	OBSERVED THE FIXTURES IN THE WASHROOM DIRTY. MUST C...	Pass
23	2583221	2929847	53	TOILET FACILITIES: PROPERLY CONSTRUCTED, SUPPLIED, & C...	OBSERVED THE FIXTURES IN THE WASHROOM DIRTY. MUST C...	Fail
24	2582604	2781432	37	FOOD PROPERLY LABELED; ORIGINAL CONTAINER	ALL BULK FOOD CONTAINERS MUST BE LABELED WITH THE P...	Pass with Warning
25	2582578	2835181	55	PHYSICAL FACILITIES INSTALLED, MAINTAINED & CLEAN	6-501.114 NOTED HEAVY CLUTTER THROUGHOUT ESTABLISH...	Fail
26	2582578	2835181	52	SEWAGE & WASTE WATER PROPERLY DISPOSED	REPAIR THE CEILING WATER LEAKS IN THE DINING ROOM AREA	Fail
27	2582578	2835181	50	HOT & COLD WATER AVAILABLE; ADEQUATE PRESSURE	OBSERVED NO COLD RUNNING WATER AT HAND WASHING SIN...	Fail
28	2582578	2835181	47	FOOD & NON-FOOD CONTACT SURFACES CLEANABLE, PROPER...	MUST NOT USE INVERTED METAL PANS AS SHELVEING THROU...	Fail
29	2582578	2835181	45	SINGLE-USE/SINGLE-SERVICE ARTICLES: PROPERLY STORED ...	OBSERVED SINGLE-USE SOUR CREAM CONTAINERS CLEANED...	Fail
30	2582578	2835181	38	INSECTS, RODENTS, & ANIMALS NOT PRESENT	OBSERVED APPROXIMATELY 100-150 RODENT DROPPINGS IN ...	Fail
31	2582578	2835181	38	INSECTS, RODENTS, & ANIMALS NOT PRESENT	OBSERVED APPROXIMATELY 100-150 RODENT DROPPINGS IN ...	Fail
32	2582578	2835181	33	PROPER COOLING METHODS USED; ADEQUATE EQUIPMENT F...	OBSERVED LARGE/REAR WALK-IN COOLER INSUFFICIENT TEM...	Fail
33	2582578	2835181	10	ADEQUATE HANDWASHING SINKS PROPERLY SUPPLIED AND A...	OBSERVED MISSING HANDWASH SIGNAGE ON EIGHTEENTH F...	Fail
34	2582578	2835181	5	PROCEDURES FOR RESPONDING TO VOMITING AND DIARRHE...	OBSERVED NO VOMITING AND DIARRHEAL EVENT CLEAN-UP K...	Fail
35	2582578	2835181	3	MANAGEMENT, FOOD EMPLOYEE AND CONDITIONAL EMPLOYE...	NO VERIFIED WRITTEN EMPLOYEE HEALTH POLICY FOR ALL E...	Fail
36	2582578	2835181	2	CITY OF CHICAGO FOOD SERVICE SANITATION CERTIFICATE	NO VALID CITY OF CHICAGO SANITATION CERTIFICATE POSTED ...	Fail
37	2582578	2835181	1	PERSON IN CHARGE PRESENT, DEMONSTRATES KNOWLEDGE...	PERSON IN CHARGE DOES NOT HAVE A VALID CITY OF CHICAG...	Fail

Query executed successfully. VAISHVEER (16.0 RTM) VAISHVEER(vaish (64)) Food\_Inspection 00:01:12 658,895 rows

## PowerBI:

Inspection_ID	Facility_License	Violation_Code	Violation_Description	Inspector_Comments
100	-9999	0	NA	NA
101	-9999	0	NA	NA
102	-9999	0	NA	NA
102	-9999	21	RFSM - Not On Site	register with the City of Dallas: 7901 Goforth f
102	-9999	42	Dirty nonfood contact surfaces	dust accumulation on the fan covers inside th
103	-9999	0	NA	NA
104	-9999	0	NA	NA
105	-9999	0	NA	NA
106	-9999	0	NA	NA
107	-9999	0	NA	NA
108	-9999	0	NA	NA
108	-9999	32	Equipment & Utensils smooth easily cleanable	you can not store utensils or food on cloth
109	-9999	0	NA	NA
110	-9999	0	NA	NA
111	-9999	0	NA	NA
111	-9999	18	Toxic items storage adjacent to food/utensils	observed chemical store next to the food
112	-9999	0	NA	NA
112	-9999	29	Concentration of the sanitizing solution shall be accurately determined by using a test kit or o	low concentration at sanitizer bucket with100 400 ppm Quat concentration
113	-9999	0	NA	NA
113	-9999	11	*11Food Donations - Damaged foods#7 dented cans removed from shelf	7 dented cans removed from shelf
113	-9999	45	*45Physical Facilities Floors,Walls,Ceilings#replace missing and shifting ceiling tiles	replace missing and shifting ceiling tiles
114	-9999	0	NA	NA
115	-9999	0	NA	NA
116	-9999	0	NA	NA
117	-9999	0	NA	NA
117	-9999	34	Pest control-routine inspections for	fruit flies present
118	-9999	0	NA	NA
119	-9999	0	NA	NA

## Tableau:

Inspection_Report					
Inspection ID	Facility License #	Violation Code	Violation Description	Inspector Comments	
100	-9999	0	NA	NA	Pass
101	-9999	0	NA	NA	Pass
102	-9999	0	NA	NA	Pass
		21	RFSM - Not On Site	register with the City of Dallas: 7901 G...	Pass
		42	Dirty nonfood contact surfaces	dust accumulation on the fan covers insi...	Pass
103	-9999	0	NA	NA	Pass
104	-9999	0	NA	NA	Pass
105	-9999	0	NA	NA	Pass
106	-9999	0	NA	NA	Pass
107	-9999	0	NA	NA	Pass
108	-9999	0	NA	NA	Pass
		32	Equipment & Utensils smooth easily clea...	you can not store utensils or food on clo...	Pass
109	-9999	0	NA	NA	Pass
110	-9999	0	NA	NA	Pass
111	-9999	0	NA	NA	Pass
		18	Toxic items storage adjacent to food/ut...	observed chemical store next to the food	Pass
112	-9999	0	NA	NA	Pass
		29	Concentration of the sanitizing solution ..	low concentration at sanitizer bucket wi...	Pass
113	-9999	0	NA	NA	Pass
		11	*11Food Donations - Damaged foods#7 ..	7 dented cans removed from shelf	Pass
		45	*45Physical Facilities Floors,Walls,Ceili...	replace missing and shifting ceiling tiles	Pass
114	-9999	0	NA	NA	Pass
115	-9999	0	NA	NA	Pass
116	-9999	0	NA	NA	Pass
117	-9999	0	NA	NA	Pass
		34	Pest control-routine inspections for	fruit flies present	Pass
118	-9999	0	NA	NA	Pass
119	-9999	0	NA	NA	Pass
120	-9999	0	NA	NA	Pass
121	-9999	0	NA	NA	Pass
		42	Dirty nonfood contact surfaces	dust accumulation on the fan covers insi...	Pass
122	-9999	0	NA	NA	Pass
		0	NA	NA	Pass
		24	Food Label- manufacture/packer/distrib...	FOOD PRODUCTS NOT PACKAGED FOR R...	Pass
		28	Do not exceed manuf. use by date	EXPIRED FOOD PRODUCTS REMOVED FR...	Pass
123	-9999	47	Handwashing signage	HAND WASH SIGN NEEDED FOR HAND SI...	Pass
		0	NA	NA	Pass
		7	Food safe, good condition, unadulterate...	DENTED CANS	Pass
124	-9999	0	NA	NA	Pass
125	-9999	0	NA	NA	Pass
		0	NA	NA	Pass
126	-9999	2	Cold Hold (41°F/45°F or below)	CHEESE 61.5°F(DOUBLE PAN), BLUE CHE...	Pass
		10	Clean Sight and Touch	CLEAN ALL	Pass