# Chicago Food Inspections - Part 3 (Team Assignment)

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Team Members

|  |  |  |
| --- | --- | --- |
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Table Row Count

1. **STAGING TABLES**

|  |  |  |
| --- | --- | --- |
| **No.** | **TABLE NAME** | **ROW COUNT** |
| **1** | **STG\_CHI\_Food\_Inspections** | **236986** |
| **2** | **STG\_CHI\_Licenses** | **819288** |

1. **DIMENSION TABLES**

|  |  |  |
| --- | --- | --- |
| **No.** | **TABLE NAME** | **ROW COUNT** |
| **1** | **Dim\_Chicago\_Geo** | **19353** |
| **2** | **Dim\_Chicago\_Restaurants** | **32776** |
| **3** | **Dim\_Chicago\_FoodInspectionType** | **110** |
| **4** | **Dim\_Chicago\_FoodInspectionResults** | **7** |
| **5** | **Dim\_Chicago\_FoodRiskCategory** | **5** |
| **6** | **Dim\_Chicago\_ViolationCodes\_SCD** | **110** |
| **7** | **Dim\_Chicago\_FacilityType** | **510** |
| **8** | **Dim\_Chicago\_BusinessLicenses** | **321995** |

1. **FACT TABLES**

|  |  |  |
| --- | --- | --- |
| **No.** | **TABLE NAME** | **ROW COUNT** |
| **1** | **FCT\_Chicago\_FoodInspections** | **249761** |
| **2** | **FCT\_Chicago\_FoodInspections\_Violations** | **1092604** |

Violations Column Transformation Process

**Staging table consisted of a Violation column which had multiple record values which included ViolationCode, ViolationDescription and ViolationComment.**

**ACTION PERFORMED:**

* 1. **Text to column Split based on rows** 🡪 **Delimiter used** 🡪 **“|”**

Graphical user interface, application

Description automatically generated

* 1. **Regex expression used to split violation column values**Graphical user interface, application, email

     Description automatically generated
  2. **Text to Column used to get the violation code and comments**Graphical user interface, application

     Description automatically generatedGraphical user interface, text, application

     Description automatically generated

Dim Pipelines

## 1: FOOD LICENSES INGESTION

Diagram

Description automatically generated

## 2. BUSINESS LICENSE INGESTION

Bubble chart

Description automatically generated with medium confidence

Fact Pipelines

## 1: FCT\_Chicago\_FoodInspections

Diagram

Description automatically generated

## 2: FCT\_Chicago\_FoodInspections\_Violations

Diagram, timeline

Description automatically generated