

NYC FoodInspection Assignment

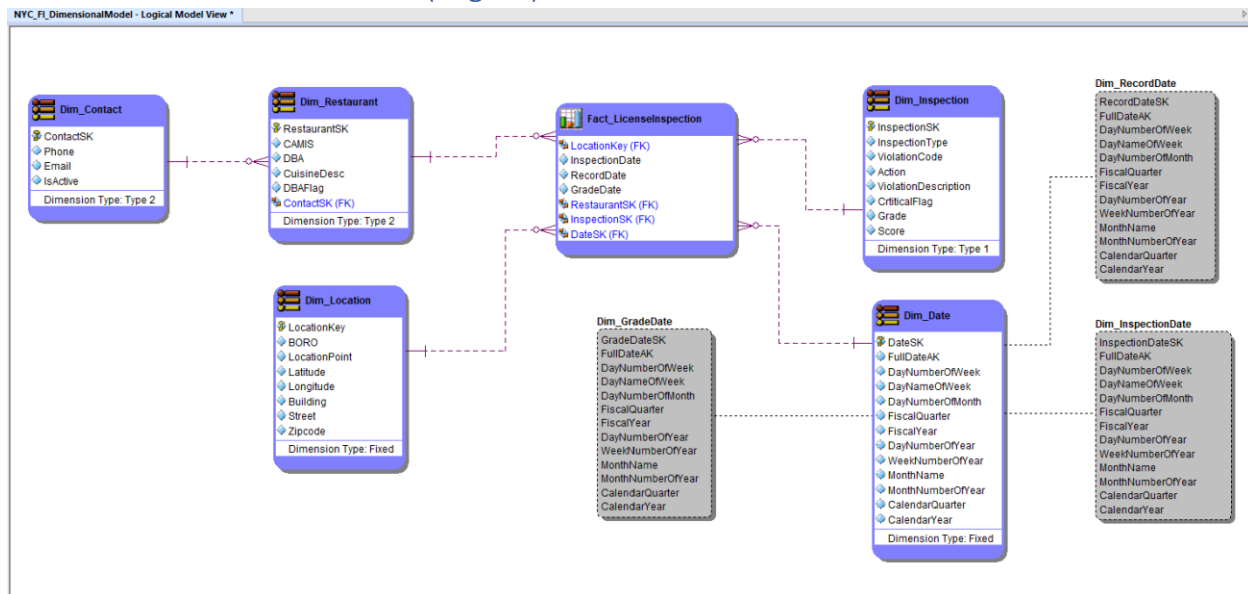
Alteryx

The screenshot shows the Alteryx Designer x64 interface with the workflow 'NYC_FoodInspection.yxmd' open. The workflow is in Design mode, showing a sequence of tools: 'DOHMH_New_York_City_Restaurant_Inspection_Results.tsv' (Input), 'Convert INSPECTION DATE From: MM/dd/yyyy' (Transform), 'Convert GRADE DATE From: MM/dd/yyyy' (Transform), 'Convert RECORD DATE From: MM/dd/yyyy' (Transform), 'DI_CreateDate = DateTimeNow()' (Formula), 'DI_WorkflowFile Name = FileGetFileName ("C:\Users\18...') (Formula), and 'akaworkshop_az_ure_alteryx Query=NYC_FI_Staging' (Output). The 'Results - Workflow - Messages' pane at the bottom shows 0 Errors, 33 Conv Errors, 0 Warnings, 32 Info, and 5 Files. The messages list several truncation errors for specific restaurant names and a final message stating '209628 records were written to akaworkshop_az_ure_alteryx (NYC_FI_Staging)'.

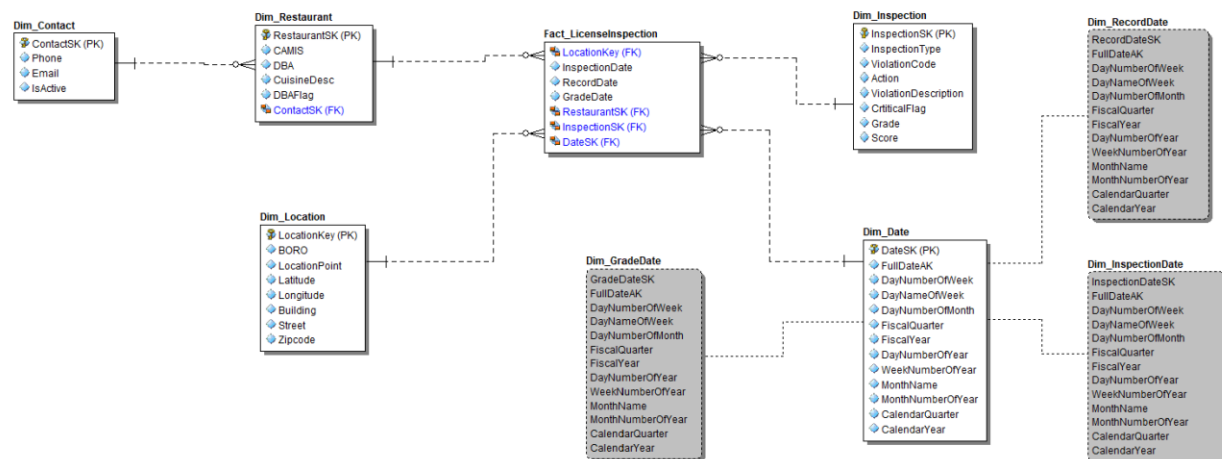
Runtime:

The screenshot shows the Alteryx Designer x64 interface with the workflow 'NYC_FoodInspection.yxmd' open in Runtime mode. A message box is displayed in the center, stating 'Finished running NYC_FoodInspection.yxmd in 3:40 minutes with 33 field conversion errors'. The message box includes a link to 'Learn about AMP Engine' and a checkbox for 'Don't show this message again'. The 'Results - Workflow - Messages' pane at the bottom shows 0 Errors, 33 Conv Errors, 0 Warnings, 32 Info, and 5 Files. The messages list the same truncation errors as the Design mode screenshot and a final message stating '209628 records were written to akaworkshop_az_ure_alteryx (NYC_FI_Staging)'.

ER Studio Dimensional Model (Logical):



ER Studio Dimensional Model (Physical):



DDL Script Execution:

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the database structure for 'damg7370-sql-adi-dbo-server.database.windows.net'. The 'Tables' folder is expanded, listing various tables including 'Dim_Contact'. The main pane shows the SQL script for creating the 'Dim_Contact' table. The script includes a header with project information and a 'GO' statement. The table definition specifies columns: 'ContactSK' (int, IDENTITY(1,1)), 'Phone' (char(12), NULL), 'Email' (varchar(50), NULL), and 'IsActive' (char(5), NULL). A primary key constraint 'PK6' is defined on the 'ContactSK' column. The 'Messages' pane at the bottom shows the execution results, indicating that the table was created successfully. The status bar at the bottom confirms the query was executed successfully.

```
/*
 * ER/Studio Data Architect SQL Code Generation
 * Project : NYC_FI_DimensionalModel.DM1
 * Date Created : Monday, February 13, 2023 21:13:23
 * Target DBMS : Microsoft SQL Server 2019
 */

/*
 * TABLE: Dim_Contact
 */

CREATE TABLE Dim_Contact(
    ContactSK int IDENTITY(1,1),
    Phone char(12) NULL,
    Email varchar(50) NULL,
    IsActive char(5) NULL,
    CONSTRAINT PK6 PRIMARY KEY NONCLUSTERED (ContactSK)
)
GO
```

100 %

Messages

```
<<< CREATED TABLE Dim_Contact >>>
<<< CREATED TABLE Dim_Data >>>
<<< CREATED TABLE Dim_Inspection >>>
<<< CREATED TABLE Dim_Location >>>
<<< CREATED TABLE Dim_Restaurant >>>
<<< CREATED TABLE Fact_LicenseInspection >>>

Completion time: 2023-02-13T21:14:10.4902164-05:00
```

100 %

Query executed successfully.

damg7370-sql-adi-dbo-server.d... alteryx.7370 (72) damg7370-db 00:00:00 0 rows