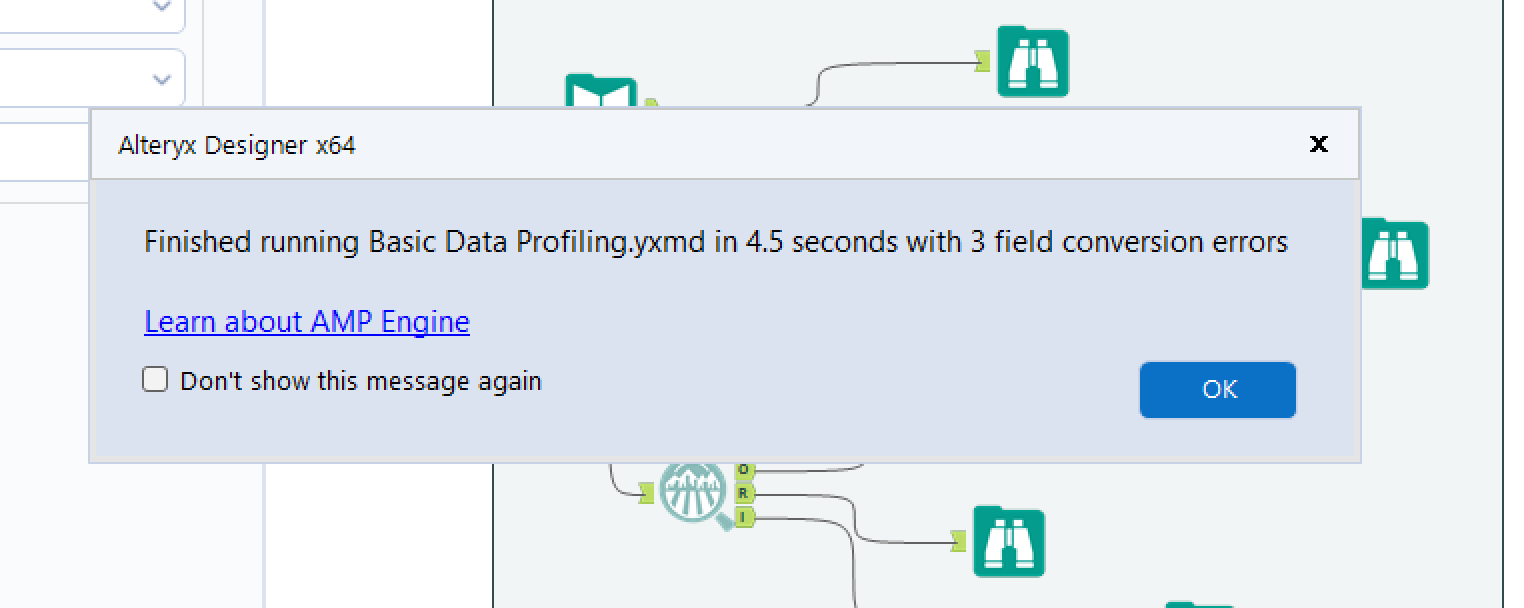
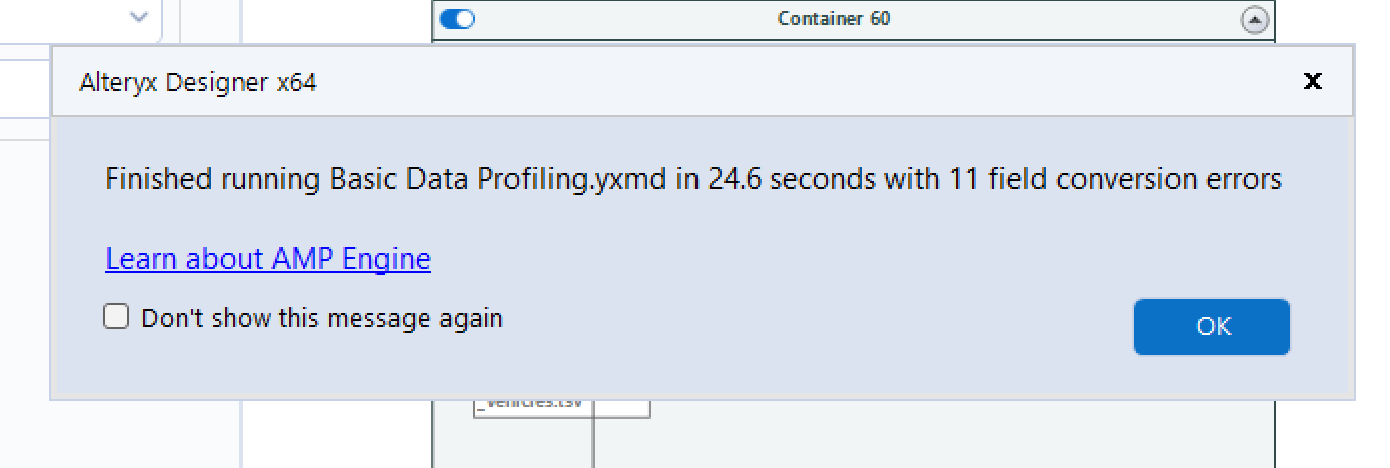
**Data Profiling Using Alteryx**

Time each profiling job takes:

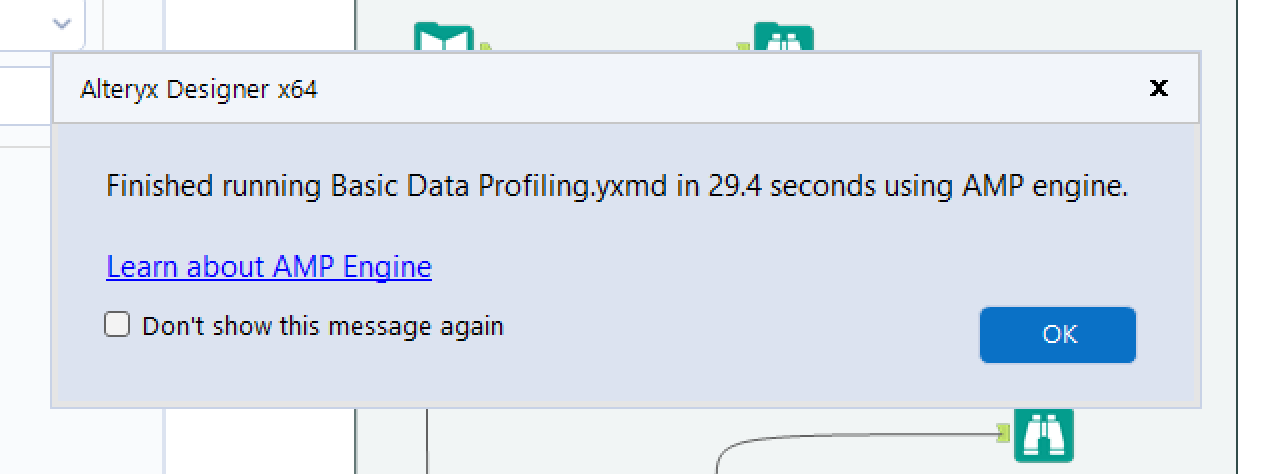
1. Motor-Vehicle-Collisions Crashes



1. Motor-Vehicle-Collisions Vehicles

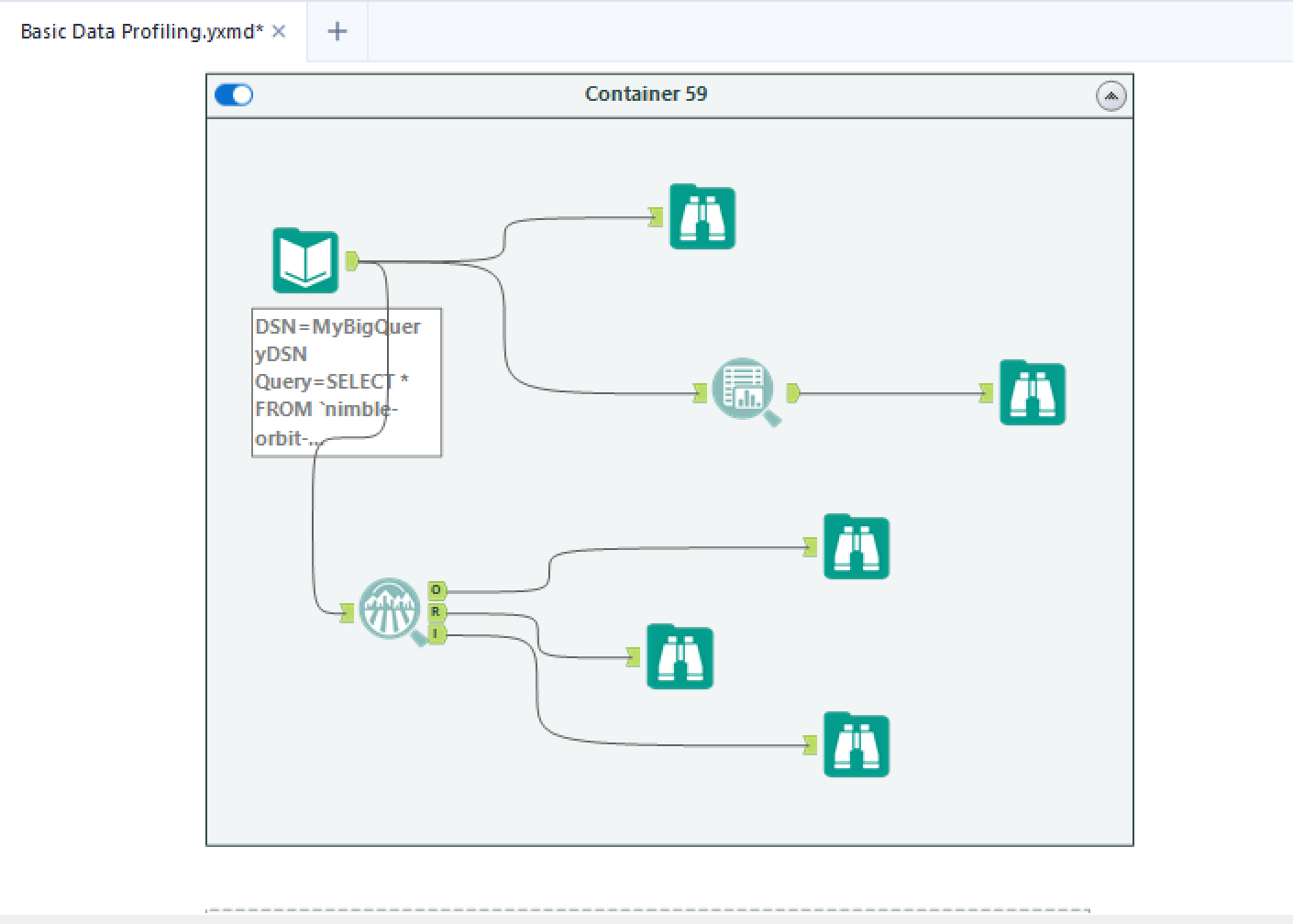


3)Motor-Vehicle-Collisions Person

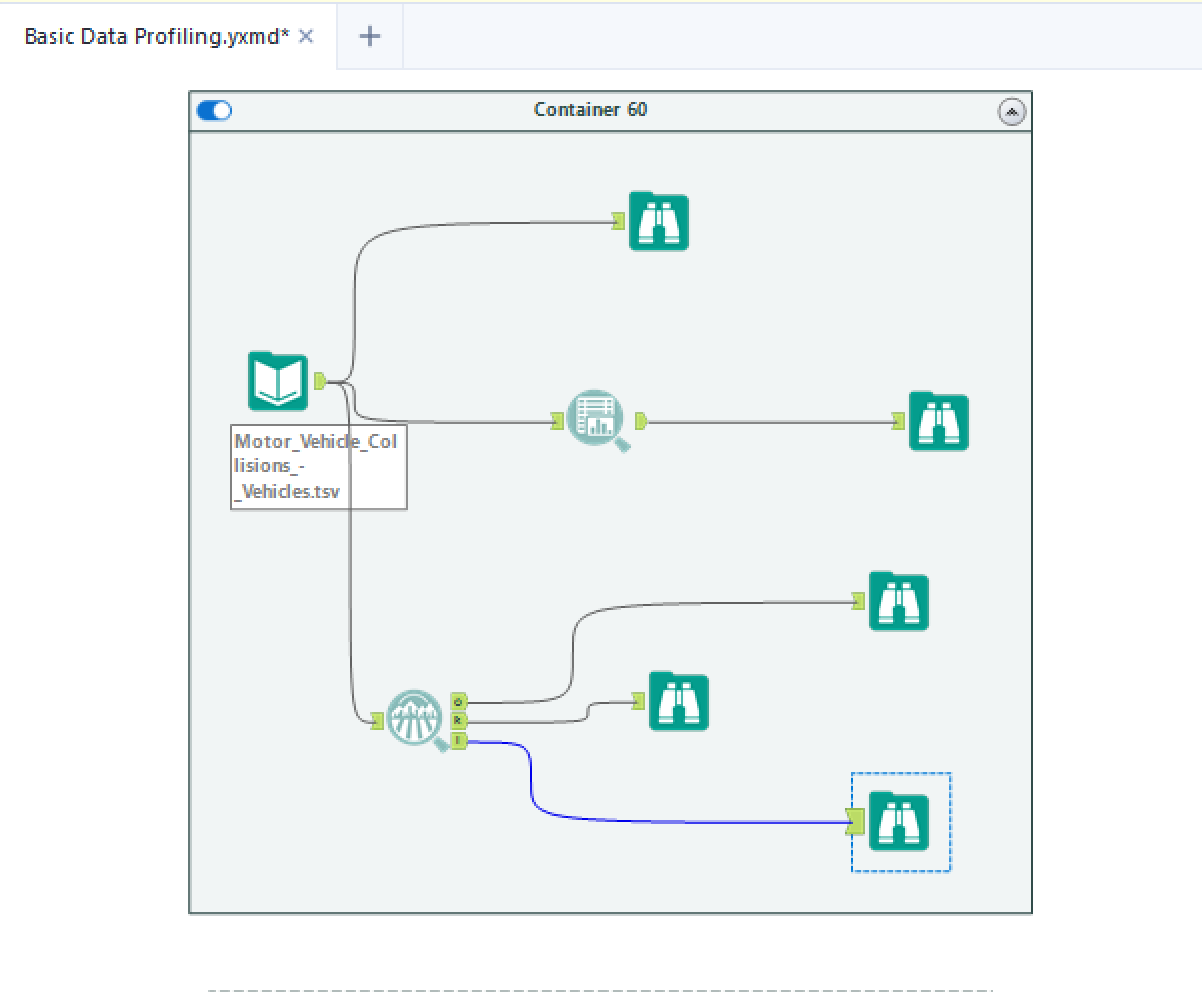


**Screen shots of completed profiling.**

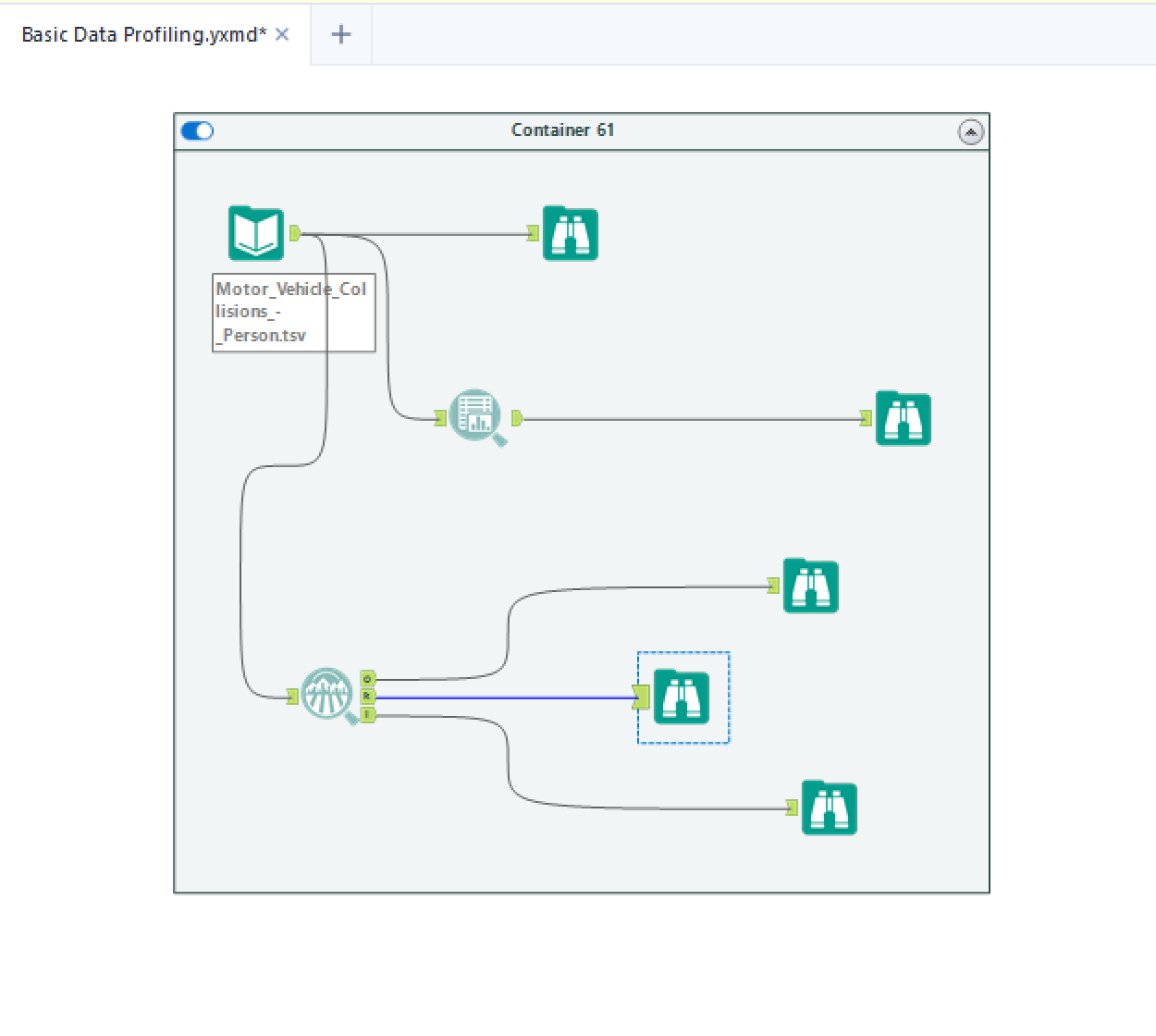
1. Motor-Vehicle-Collisions Crashes



2)Motor-Vehicle-Collisions Vehicles



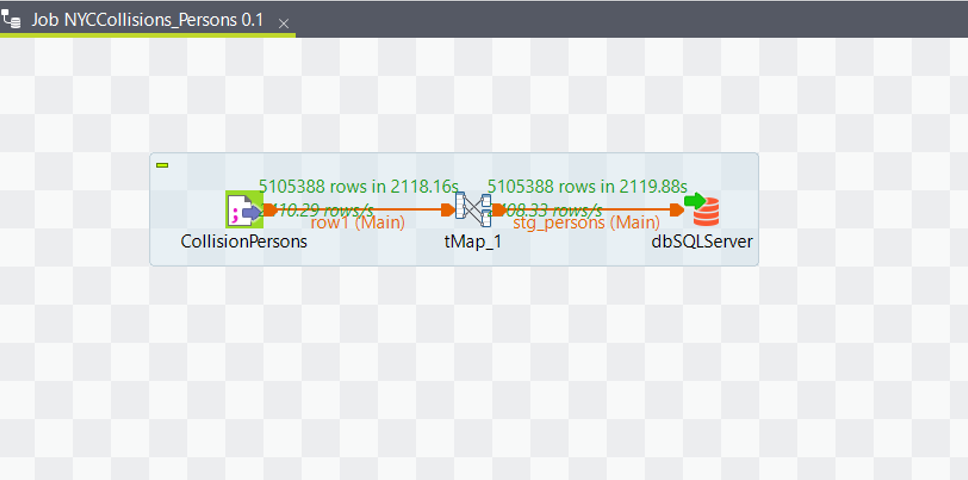
3)Motor-Vehicle-Collisions Person



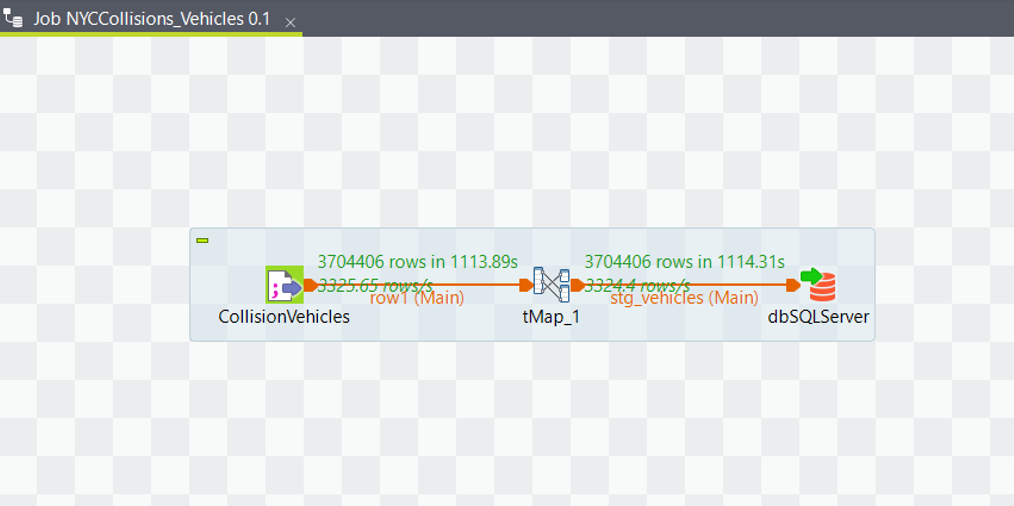
**Talend**

Screen shots of completed jobs:

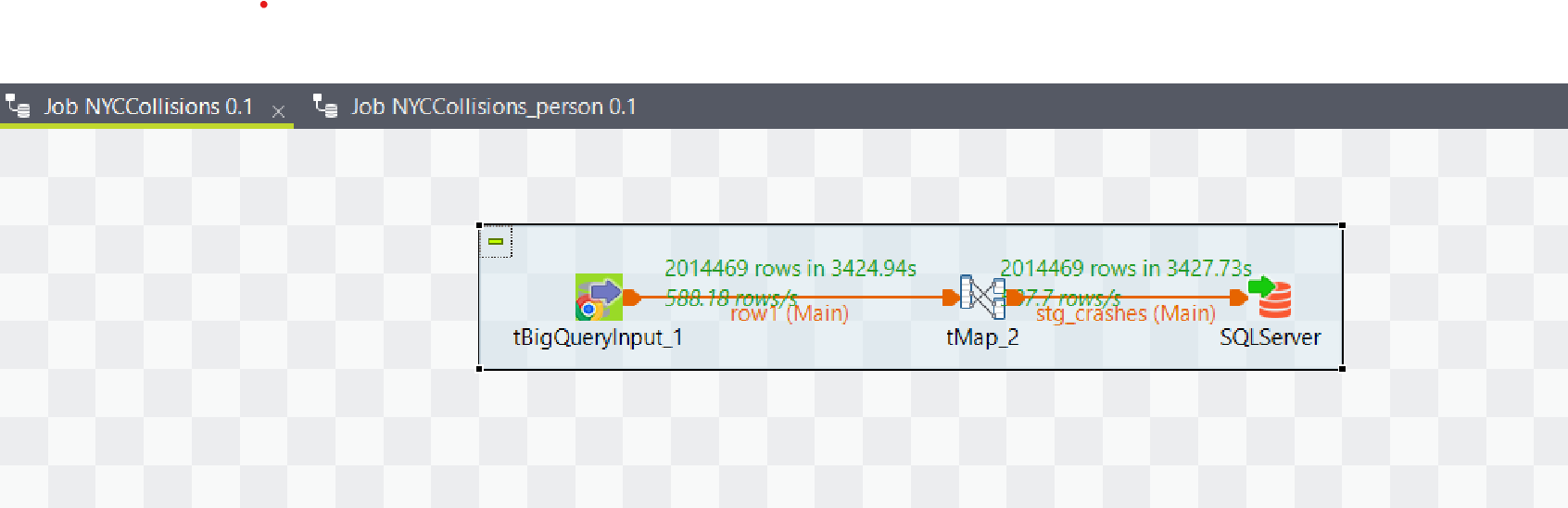
1)Motor-Vehicle-Collisions Person



2)Motor-Vehicle-Collisions Vehicles



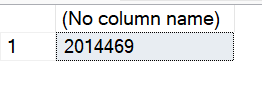
3)Motor-Vehicle-Collisions Crashes

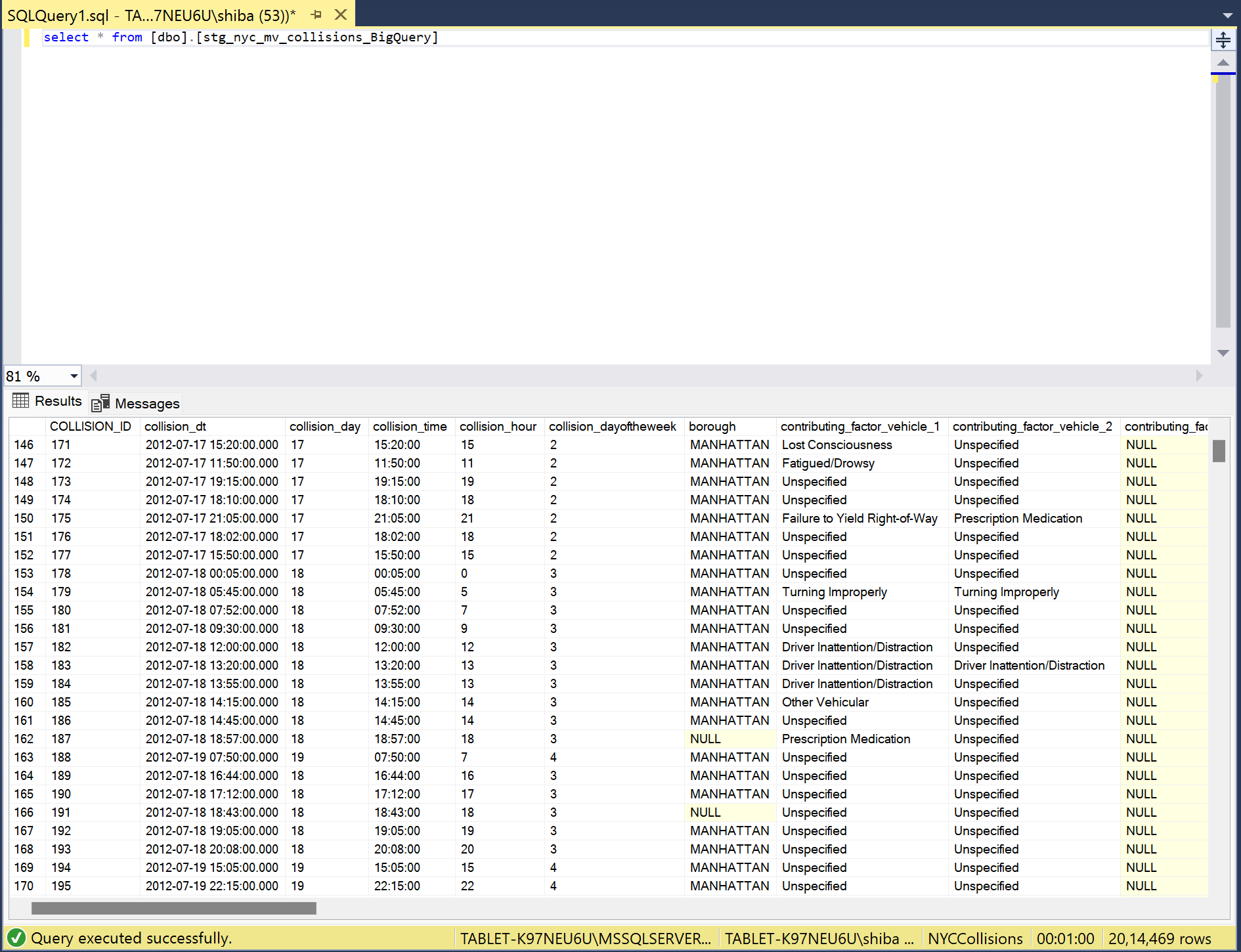


List of tables with rows counts.

Name of Table: stg\_nyc\_mv\_collisions\_BigQuery

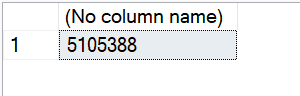
Number of Roles: 3704406

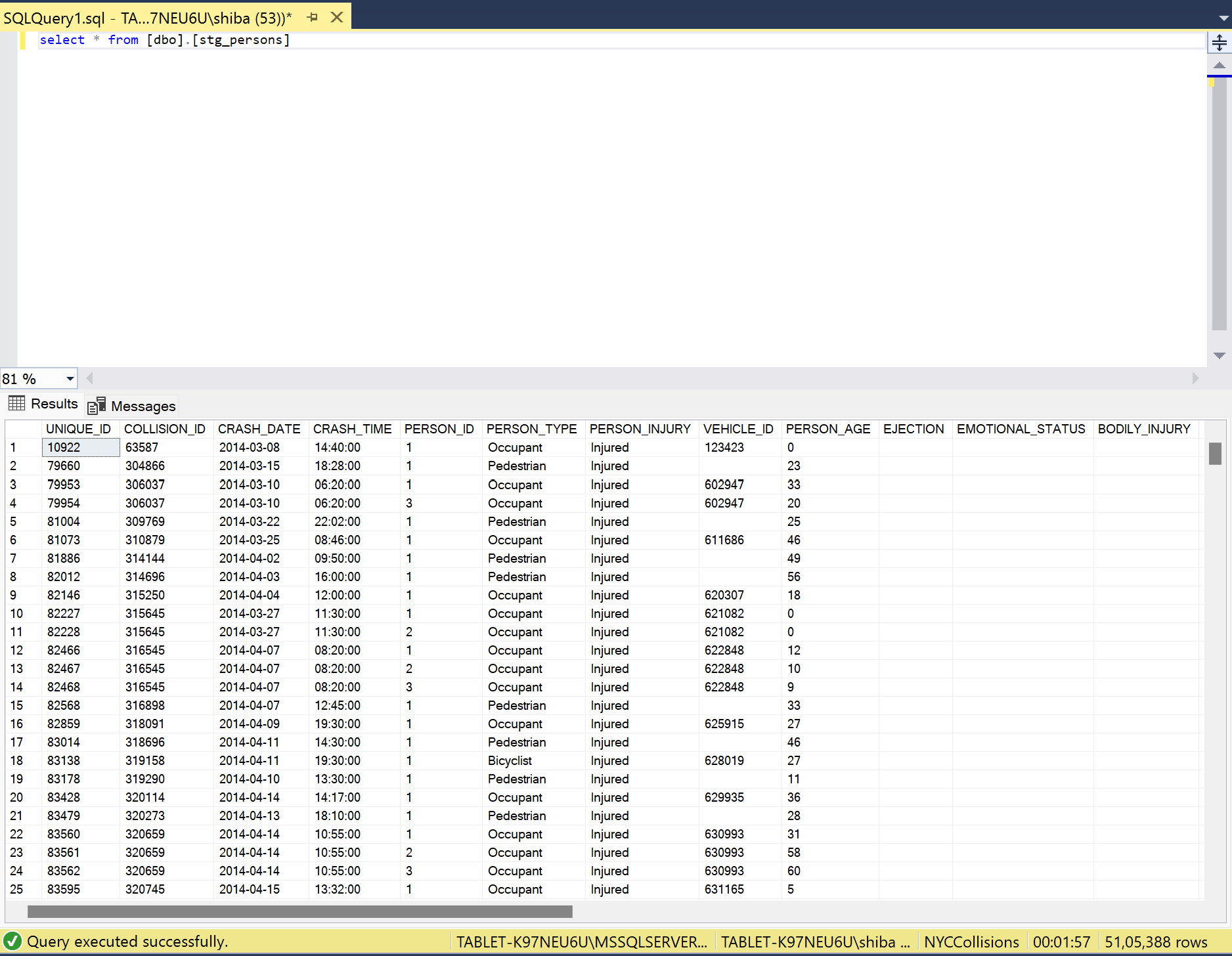




Name of Table: [dbo].[stg\_persons]

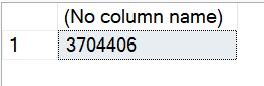
Number of Roles: 5105388

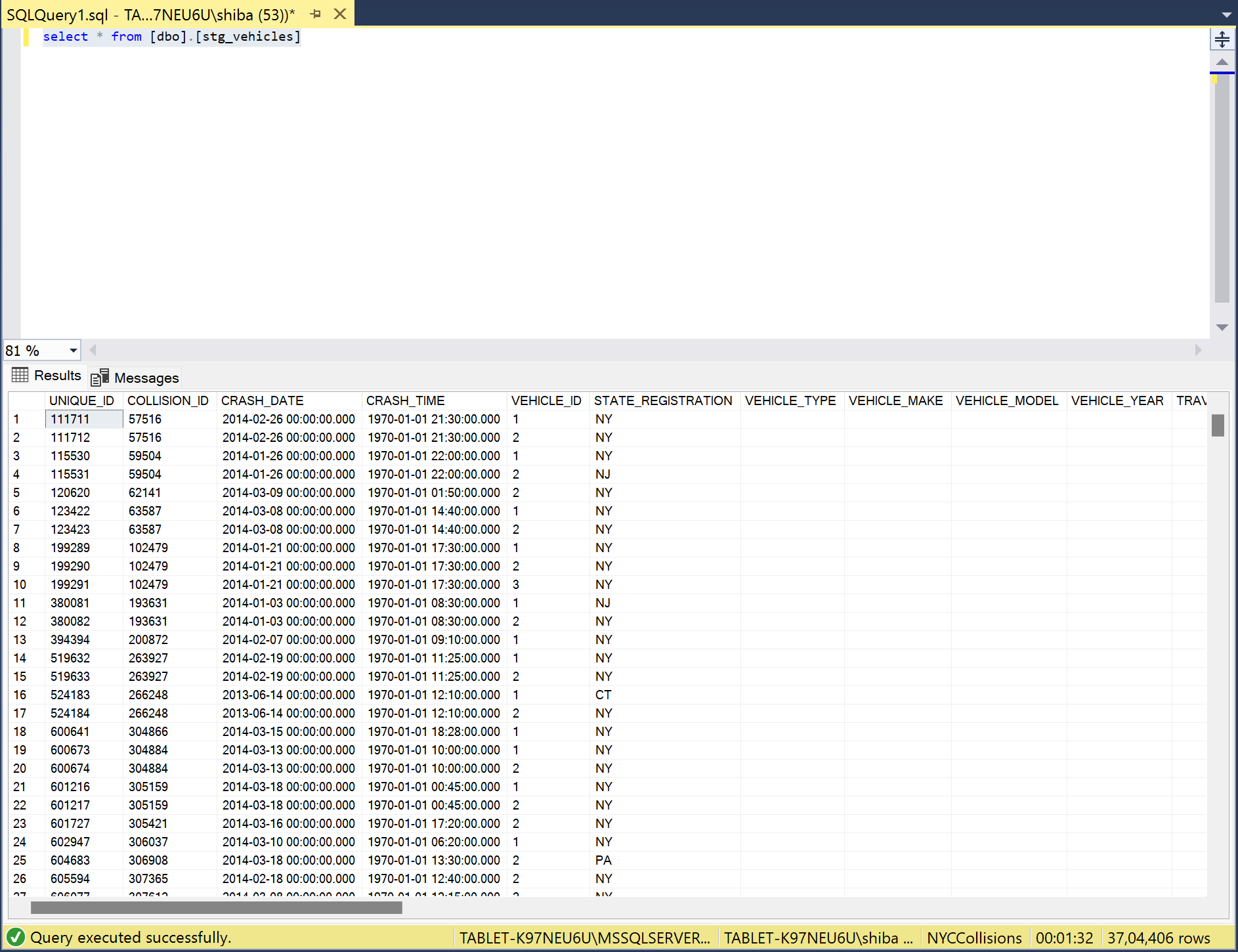




Name of Table: [dbo].[stg\_vehicles]

Number of Roles: 3704406





List of Fact and Dimension Tables:

Fact Tables:

fct\_collision\_crashes

fct\_Collisions\_Vehicles

fct\_Collision\_crashes\_vehicles

fct\_Collision\_Vehicles\_Contributing\_Factors

fct\_Collision\_Vehicles\_Vehicles\_Damage

fct\_Collision\_persons\_Contributing\_Factors

fct\_collision\_persons

Dimension Tables:

dim\_POINT\_OF\_IMPACT  
dim\_PRE\_CRASH  
dim\_STATE\_REGISTRATION  
dim\_DRIVER\_LICENSE\_JURISDICTION  
dim\_DRIVER\_LICENSE\_STATUS  
dim\_VEHICLE\_MAKE  
dim\_VEHICLE\_MODEL  
dim\_PUBLIC\_PROPERTY\_DAMAGE  
dim\_PED\_ACTION  
dim\_SAFETY\_EQUIPMENT  
dim\_POSITION\_IN\_VEHICLE  
dim\_PERSON\_EMOTIONAL\_STATUS  
dim\_PED\_LOCATION  
dim\_PED\_ROLE  
dim\_PERSON\_SEX  
dim\_BODILY\_INJURY  
dim\_PERSON\_EJECTION  
dim\_CONTRIBUTING\_FACTOR  
dim\_arrest\_borough  
dim\_VEHICLE\_TYPE\_CODE  
dim\_VEHICLE\_DAMAGE  
stg\_nyc\_mv\_collisions\_BigQuery  
dim\_ERR\_PERSON\_AGE  
  
stg\_persons  
stg\_vehicles  
dim\_VEHICLE\_TYPE  
dim\_Complaint  
dim\_TRAVEL\_DIRECTION  
Dim\_PersonType  
dim\_PERSON\_INJURY

**SQL Scripts for staging tables: link**

https://northeastern-my.sharepoint.com/:u:/g/personal/ramteke\_s\_northeastern\_edu/ETY\_rrvfTl1Lt58ogzt5faoBouGIRpJ4DJ3F05rnXwgXbw?e=N6L4ku