

- **Data Profiling using Alteryx**

Profiling of Crashes:

Time Taken – 26:30 minutes

Alteryx Designer v64 - NYC_MVC_Team04_AlteryxProfiling_Part1.yxmd

Workflow - Configuration: NYC_MVC_Team04_AlteryxProfiling_Part1.yxmd

Canvas Options:

- Layout Direction: Horizontal
- Annotations: Show
- Connection Progress: Show Only When

Google BigQuery Input
SELECTED
TABLE= eighth-orbit-382422:NYC_MVC_Motor_Vehicle_Collisions_-_Crash

Alteryx Designer v64
Finished running NYC_MVC_Team04_AlteryxProfiling_Part1.yxmd in 26:30 minutes with 67 field conversion errors
[Learn about AMP Engine](#)
☐ Don't show this message again

Results - Workflow - Messages

Tool	Message
Field Summary (2)	Tool #275: Tool #32: Values: "1832 86 ST(MARSHALL'S SIGN) ..." was truncated to 44 characters
Field Summary (2)	Tool #275: Tool #32: Values: "LOT(FARMERS BLVD & 144 AVE ..." was truncated to 44 characters
Field Summary (2)	Tool #275: Tool #32: Values: Field Conversion Error Limit Reached.
Browse (27)	1 records
Browse (28)	28 records
Browse (28)	2 records
Designer v64	Finished running NYC_MVC_Team04_AlteryxProfiling_Part1.yxmd in 26:30 minutes with 67 field conversion errors

Profiling of Vehicles:

Time Taken – 2:43 minutes

Alteryx Designer v64 - Team04_Vehicles_AlteryxProfiling_NYC_MVC_Part1.yxmd

Workflow - Configuration: Team04_Vehicles_AlteryxProfiling_NYC_MVC_Part1.yxmd

Canvas Options:

- Layout Direction: Horizontal
- Annotations: Show
- Connection Progress: Show Only When

Motor_Vehicle_Collisions_-_Vehicles.csv

Alteryx Designer v64
Finished running Team04_Vehicles_AlteryxProfiling_NYC_MVC_Part1.yxmd in 2:43 minutes with 33 field conversion errors
[Learn about AMP Engine](#)
☐ Don't show this message again

Results - Workflow - Messages

Tool	Message
Field Summary (10)	Tool #275: Tool #32: Value: "600h;quot;ARTICULATE BOOM LIFT"
Field Summary (10)	Tool #275: Tool #32: Value: Field Conversion Error Limit Reached.
Browse (13)	1 records
Browse (8)	237 records
Browse (11)	25 records
Browse (12)	2 records
Designer v64	Finished running Team04_Vehicles_AlteryxProfiling_NYC_MVC_Part1.yxmd in 2:43 minutes with 33 field conversion errors

Profiling of Persons:

Time Taken – 3:34 minutes

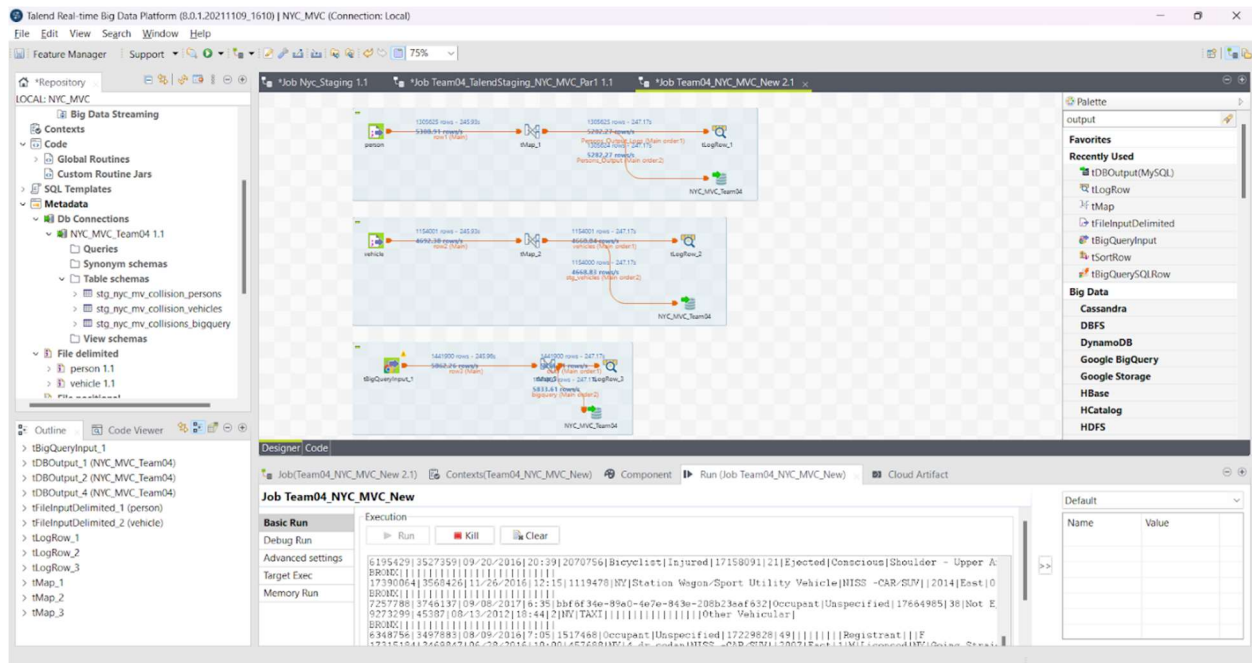
The screenshot displays the Alteryx Designer x64 interface. A central dialog box titled "Alteryx Designer x64" reports: "Finished running Team04_Persons_AlteryxProfiling_NYC_MVC_Part1.yxmd in 3:34 minutes with 12 field conversion errors". It includes a link to "Learn about AMP Engine" and a checkbox for "Don't show this message again".

The left sidebar shows the "Canvas Options" panel with settings for "Layout Direction" (Horizontal), "Annotations" (Show), and "Connection Progress" (Show Only When). The main workspace shows a workflow diagram with tools like "Motor_Vehicles_Persons", "Person", and "Person".

The bottom pane, titled "Results - Workflow - Messages", shows a summary of the run:

- 0 Errors, 12 Conv Errors, 0 Warnings, 26 Info, 5 Files
- Field Summary [7] Tool #275: Tool #122: Value: Field Conversion Error Limit Reached.
- Records [12] 452 records
- Field Summary [7] Tool #275: Tool #32: Value: "If one person is seated on another perso..." was truncated to 44 characters
- Records [11] 1 records
- Records [9] 21 records
- Records [10] 2 records
- Designer x64 Finished running Team04_Persons_AlteryxProfiling_NYC_MVC_Part1.yxmd in 3:34 minutes with 12 field conversion errors

Person table rows count - 1305624



- **Creating Preliminary Dimension Model**

Dimensions:

dim_arrest_borough

Dim_BODILY_INJURY

Dim_COMPLAINT

Dim_CONTRIBUTING_FACTOR

Dim_DRIVER_LICENSE_JURISDICTION

Dim_DRIVER_LICENSE_STATUS

Dim_EJECTION

Dim_EMOTIONAL_STATUS

Dim_PED_ACTION

Dim_PED_LOCATION

Dim_PED_ROLE

Dim_PERSON_INJURY

Dim_PERSON_SEX

Dim_PersonType

Dim_POINT_OF_IMPACT

Dim_POSITION_IN_VEHICLE

Dim_PRE_CRASH

Dim_SAFETY_EQUIPMENT

Dim_STATE_REGISTRATION

Dim_TRAVEL_DIRECTION

Dim_EJECTION

Dim_EMOTIONAL_STATUS

Dim_PED_ACTION

Dim_PED_LOCATION

Dim_PED_ROLE
Dim_PERSON_INJURY
Dim_PERSON_SEX
Dim_PersonType
Dim_POINT_OF_IMPACT
Dim_POSITION_IN_VEHICLE
Dim_PRE_CRASH
Dim_SAFETY_EQUIPMENT
Dim_STATE_REGISTRATION
Dim_TRAVEL_DIRECTION
Dim_VEHICLE_MAKE
Dim_VEHICLE_MODEL
Dim_VEHICLE_TYPE
dim_vehicle_type_code
ERR_Model_Year
Dim_PUBLIC_PROPERTY_DAMAGE

Facts:

fct_collision_crashes
fct_collision_crashes_vehicles
fct_collision_persons
fct_collision_persons_contributing_factors
fct_Collisions_Vehicles
fct_Collisions_Vehicles_Contributing_Factors
fct_Collisions_Vehicles_Vehicle_Damage

