Set dataManagerTables = '','Airline Dataset';

//This block renames script tables from non generated section which conflict with the names of managed tables

For each name in $(dataManagerTables)

Let index = 0;

Let currentName = name;

Let tableNumber = TableNumber(name);

Let matches = 0;

Do while not IsNull(tableNumber) or (index > 0 and matches > 0)

index = index + 1;

currentName = name & '-' & index;

tableNumber = TableNumber(currentName)

matches = Match('$(currentName)', $(dataManagerTables));

Loop

If index > 0 then

Rename Table '$(name)' to '$(currentName)';

EndIf;

Next;

Set dataManagerTables = ;

Unqualify \*;

\_\_countryAliasesBase:

LOAD

Alias AS [\_\_Country],

ISO3Code AS [\_\_ISO3Code]

FROM [lib://DataFiles/countryAliases.qvd]

(qvd);

\_\_countryGeoBase:

LOAD

ISO3Code AS [\_\_ISO3Code],

ISO2Code AS [\_\_ISO2Code],

Polygon AS [\_\_Polygon]

FROM [lib://DataFiles/countryGeo.qvd]

(qvd);

\_\_countryName2IsoThree:

MAPPING LOAD

\_\_Country,

\_\_ISO3Code

RESIDENT \_\_countryAliasesBase;

\_\_countryCodeIsoThree2Polygon:

MAPPING LOAD

\_\_ISO3Code,

\_\_Polygon

RESIDENT \_\_countryGeoBase;

\_\_countryCodeIsoTwo2Polygon:

MAPPING LOAD

\_\_ISO2Code,

\_\_Polygon

RESIDENT \_\_countryGeoBase;

[Airline Dataset]:

LOAD

[Passenger ID],

[First Name],

[Last Name],

[Gender],

[Age],

[Nationality],

[Airport Name],

[Airport Country Code],

[Country Name],

[Airport Continent],

[Continents],

[Departure Date],

[Arrival Airport],

[Pilot Name],

[Flight Status],

APPLYMAP( '\_\_countryCodeIsoThree2Polygon', APPLYMAP( '\_\_countryName2IsoThree', LOWER([Nationality])), '-') AS [Airline Dataset.Nationality\_GeoInfo],

APPLYMAP( '\_\_countryCodeIsoTwo2Polygon', UPPER([Airport Country Code]), '-') AS [Airline Dataset.Airport Country Code\_GeoInfo],

APPLYMAP( '\_\_countryCodeIsoThree2Polygon', APPLYMAP( '\_\_countryName2IsoThree', LOWER([Country Name])), '-') AS [Airline Dataset.Country Name\_GeoInfo]

FROM [lib://DataFiles/Airline Dataset.csv]

(txt, utf8, embedded labels, delimiter is ',', msq);

TAG FIELD [Nationality] WITH '$geoname', '$relates\_Airline Dataset.Nationality\_GeoInfo';

TAG FIELD [Airline Dataset.Nationality\_GeoInfo] WITH '$geopolygon', '$hidden', '$relates\_Nationality';

TAG FIELD [Airport Country Code] WITH '$geoname', '$relates\_Airline Dataset.Airport Country Code\_GeoInfo';

TAG FIELD [Airline Dataset.Airport Country Code\_GeoInfo] WITH '$geopolygon', '$hidden', '$relates\_Airport Country Code';

TAG FIELD [Country Name] WITH '$geoname', '$relates\_Airline Dataset.Country Name\_GeoInfo';

TAG FIELD [Airline Dataset.Country Name\_GeoInfo] WITH '$geopolygon', '$hidden', '$relates\_Country Name';

DROP TABLES \_\_countryAliasesBase, \_\_countryGeoBase;

[autoCalendar]:

DECLARE FIELD DEFINITION Tagged ('$date')

FIELDS

Dual(Year($1), YearStart($1)) AS [Year] Tagged ('$axis', '$year'),

Dual('Q'&Num(Ceil(Num(Month($1))/3)),Num(Ceil(NUM(Month($1))/3),00)) AS [Quarter] Tagged ('$quarter', '$cyclic'),

Dual(Year($1)&'-Q'&Num(Ceil(Num(Month($1))/3)),QuarterStart($1)) AS [YearQuarter] Tagged ('$yearquarter', '$qualified'),

Dual('Q'&Num(Ceil(Num(Month($1))/3)),QuarterStart($1)) AS [\_YearQuarter] Tagged ('$yearquarter', '$hidden', '$simplified'),

Month($1) AS [Month] Tagged ('$month', '$cyclic'),

Dual(Year($1)&'-'&Month($1), monthstart($1)) AS [YearMonth] Tagged ('$axis', '$yearmonth', '$qualified'),

Dual(Month($1), monthstart($1)) AS [\_YearMonth] Tagged ('$axis', '$yearmonth', '$simplified', '$hidden'),

Dual('W'&Num(Week($1),00), Num(Week($1),00)) AS [Week] Tagged ('$weeknumber', '$cyclic'),

Date(Floor($1)) AS [Date] Tagged ('$axis', '$date', '$qualified'),

Date(Floor($1), 'D') AS [\_Date] Tagged ('$axis', '$date', '$hidden', '$simplified'),

If (DayNumberOfYear($1) <= DayNumberOfYear(Today()), 1, 0) AS [InYTD] ,

Year(Today())-Year($1) AS [YearsAgo] ,

If (DayNumberOfQuarter($1) <= DayNumberOfQuarter(Today()),1,0) AS [InQTD] ,

4\*Year(Today())+Ceil(Month(Today())/3)-4\*Year($1)-Ceil(Month($1)/3) AS [QuartersAgo] ,

Ceil(Month(Today())/3)-Ceil(Month($1)/3) AS [QuarterRelNo] ,

If(Day($1)<=Day(Today()),1,0) AS [InMTD] ,

12\*Year(Today())+Month(Today())-12\*Year($1)-Month($1) AS [MonthsAgo] ,

Month(Today())-Month($1) AS [MonthRelNo] ,

If(WeekDay($1)<=WeekDay(Today()),1,0) AS [InWTD] ,

(WeekStart(Today())-WeekStart($1))/7 AS [WeeksAgo] ,

Week(Today())-Week($1) AS [WeekRelNo] ;

DERIVE FIELDS FROM FIELDS [Departure Date] USING [autoCalendar] ;

[Airline Dataset]:

Load \*;

// Remove rows with 'e' and from Arrival Airport column

[Airline Dataset]:

NOCONCATENATE LOAD \*,

if (Age >=0 AND Age <= 1, 'Baby',

if(Age >= 1 AND Age <= 3, 'Toddler',

if(Age >= 4 AND Age <= 9, 'Child',

if(Age >= 10 AND Age <= 12, 'Tween',

if(Age >= 13 AND Age <= 19, 'Teen',

if(Age >= 20 AND Age <= 24, 'Young Adult',

if(Age >=25 AND Age <=39, 'Adult',

if(Age >= 40 AND Age <= 54, 'Middle',

if(Age >= 55 AND Age <= 79, 'Elder',

if(Age >80, 'Just plain old')))))))))) AS AgeGroup,

Date#([Departure Date], 'MM/DD/YYYY') as [Departure\_Date],

Year ([Departure Date]) AS Year,

Month([Departure Date]) as Month

RESIDENT [Airline Dataset]

WHERE NOT ([Arrival Airport] = '0' OR [Arrival Airport] = '-');