Qlik Sense Script for Lead time to Tender App

# //SCA\_Freight\_Analytics\_New

//Load SCA Freight Analytics QVD

//Join Original Mill to Freight Analytics

SCA\_FA\_New:

LOAD

Text("Load #") as "Load #",

Date(Date#("Create Date", 'M/D/YYYY hh:mm'), 'M/D/YYYY hh:mm') as "Create Date/Time",

Date(Date#("Target Ship Date", 'M/D/YYYY hh:mm'), 'M/D/YYYY hh:mm') as "Target Ship Date/Time",

"PU Dwell",

"Target Delivery - Latest",

"Del Dwell",

"Carrier SCAC",

Lane,

"Origin ID",

"Consignee Name",

OTD\_Appt,

OTD\_Day,

"Pickup Appt (AA)",

"Arrived at PU (X3)",

"Actual PU (AF)",

"Del Appt Date (AB)",

"AB Count",

"Arrived at Del (X1)",

"Completed Unloading (D1)",

"Hours to Appt (AB)",

"Hours to Arrive (X1)",

"Hours to Del (D1)",

"Days to Appt (AB)",

"Days to Arrive (X1)",

"Days to Del (D1)",

// //Add Lead Time to Tender

//Add Floor Dates

Date(Floor(Date#("Create Date", 'M/D/YYYY hh:mm'))) as "Create Date",

Date(Floor(Date#("Target Ship Date", 'M/D/YYYY hh:mm'))) as "Target Ship Date"

FROM [lib://Supply Chain Data Files/SCA/Metrics/Lead Time to Tender/Freight\_Analytis\_New.csv]

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

;

Left Join(SCA\_FA\_New)

LOAD \* INLINE [

'Origin ID', 'Origin Mill Type\_1'

PLT00031, 'Mill'

PLT00205, 'Mill Warehouse'

PLT00207, 'Mill Warehouse'

PLT00225, 'Mill Warehouse'

PLT00033, 'Mill'

PLT00250, 'Mill Warehouse'

PLT00032, 'Mill'

PLT09024, 'Mill Warehouse'

PLT09026, 'Mill Warehouse'

PLT00038, 'Mill'

PLT00034, 'Mill'

PLT00625, 'Mill Warehouse'

];

# //FA\_TMS Data

//Load FA TMS Data

Left Join(SCA\_FA\_New)

LOAD

"Shipment Num",

"Delivery Number",

"Waterfall Exclude",

"Load Num" as "Load #",

"Origin City",

"Origin State",

"TMS Ship to Name",

"Original Date",

"Ship Date",

"Pickup Original",

"Dest City",

"Appt Date",

"Appt Time",

"Late Pickup RC",

"Late Delivery RC",

Status,

"Status Code",

"Origin Zip",

"Pickup Date",

"TMS Ship To",

"Dest State",

"Dest Zip",

"TMS Freight Terms",

"Trailer Number",

"Service Conditions",

"Spot Assigned",

"Multi Stop",

"Changed On",

"Dest Region",

"Origin Region",

"From/To Region",

"Diversity Indicator",

"Tender User"

FROM [lib://Production QVDs/QlikSense/FA\_TmsData.qvd]

(qvd);

# //FA\_Facts\_New

//Load FA Facts

Left Join(SCA\_FA\_New)

LOAD

"Shipment Num",

IncoTemp,

"Original Profit Center",

"Profit Center Temp",

"Old Profit Center Temp",

"New Profit Center",

IntExt,

"Origin Fac Grp",

"Dest Fac Grp",

"Origin ID",

"Dest ID",

"LCC Region",

"Controlling Facility ID",

"Controlling Facility",

"Lane ID",

"Orig Zip 3",

"Dest Zip 3",

"Load Count",

"Date",

"Rate",

"Rate Plus",

"Landed Cost",

"Fuel Surcharge",

"Accessorial Charge",

Miles,

"SCAC Code",

"Mode",

"Sold To",

"Sold To Name",

"Load Weight",

//Add column

"Load Weight"/2000 as "Tons"

FROM [lib://Production QVDs/QlikSense/FA\_FactsNew.qvd]

(qvd);

# //FA Carrier

//Load Carrier Info

Left Join(SCA\_FA\_New)

LOAD

"SCAC Code" as "Carrier SCAC",

Carrier

FROM [lib://Production QVDs/QlikSense/FA\_Carriers.qvd]

(qvd);

# //FA SAP Data

Left Join(SCA\_FA\_New)

LOAD

"Delivery Number",

Incoterms,

"Incoterms 2"

FROM [lib://Production QVDs/QlikSense/FA\_SapData.qvd]

(qvd);

# //Location Master

//Add Dest BU

Left Join(SCA\_FA\_New)

LOAD

'PLT0'& Text(Plant) as "Dest ID",

"Business Unit" as "Dest Busines Unit\_1"

FROM [lib://Production QVDs/Plant/PlantInformation.qvd]

(qvd);

//Add Origin BU

Left Join(SCA\_FA\_New)

LOAD

'PLT0'& Text(Plant) as "Origin ID",

"Business Unit" as "Origin Busines Unit\_1"

FROM [lib://Production QVDs/Plant/PlantInformation.qvd]

(qvd);

# //FA Calendar

Left Join(SCA\_FA\_New)

LOAD

"Date" as "Create Date",

"Week Ending",

"Year" as "Create Year",

"Month" as "Create Month",

"Day",

MonthYear as "Create MonthYear",

fTrailing12Months

FROM [lib://Production QVDs/General/QlikCalendar.qvd]

(qvd);

# //Add Columns

//Add Columns

SCA\_FA\_New\_1:

Load

\*,

If("Target Ship Date/Time" - "Create Date/Time" < 0 and "Target Ship Date/Time" - "Create Date/Time" >= -1, 0,"Target Ship Date/Time" - "Create Date/Time")

as "Lead Time to Tender (days)",

if("Target Ship Date/Time" - "Create Date/Time" < 0 and "Target Ship Date/Time" - "Create Date/Time" >= -1, 0, ("Target Ship Date/Time" - "Create Date/Time")\*24)

as "Lead Time to Tender (hrs)",

//Fix BU

If(isnull("Dest Busines Unit\_1"), 'Customer/Other', "Dest Busines Unit\_1") as "Dest BU",

If(isnull("Origin Busines Unit\_1"), 'Customer/Other', "Origin Busines Unit\_1") as "Origin BU",

//Add ID-city

"Origin ID" & '|' & "Origin City" as "Origin ID-City",

"Dest ID" & '|' & "Dest City" as "Dest ID-City",

//Fix Origin Mill Type

If(IsNull("Origin Mill Type\_1"), 'Non-Mill', "Origin Mill Type\_1") as "Origin Mill Type"

Resident SCA\_FA\_New

Where (Status = 'Delivered' or Status ='Booked' or Status = 'In Transit') and

"Dest Busines Unit\_1" <> 'Discontinued Operations' and

"Origin Busines Unit\_1" <> 'Discontinued Operations' and

"Create Date" <= Today() and

Mode <> 'Rail' ;

Drop Fields

"Dest Busines Unit\_1",

"Origin Busines Unit\_1",

"Origin Mill Type\_1";

Drop table SCA\_FA\_New;

SCA\_FA\_New\_2:

Load

\*,

//Add Lead Time to Tender Group

if("Lead Time to Tender (hrs)" < 72, '<72 hrs','>=72 hrs')as "Lead Time to Tender Group (72 hrs)",

if("Lead Time to Tender (hrs)" < 48, '<48 hrs','>=48 hrs')as "Lead Time to Tender Group (48 hrs)",

if("Lead Time to Tender (hrs)" < 24, '<24 hrs','>=24 hrs')as "Lead Time to Tender Group (24 hrs)",

//Lane & Lead Time Group

if("Lead Time to Tender (hrs)" < 24, '<24 hrs: '& "Lane ID",'>=24 hrs: ' & "Lane ID")as "Group (24 hrs): Lane ID",

//Low Miles

if(Miles <200, '< 200 Miles', '>= 200 Miles') as "Miles Flag",

//Negative Lead Time

if("Lead Time to Tender (hrs)" < 0, 'Negative', 'Positive') as "Lead Time Flag",

//Landed Cost Flag

if("Rate" <= 0, 'Cost <= 0', 'Cost > 0') as "Rate Flag"

Resident SCA\_FA\_New\_1

Where

"Lead Time to Tender (hrs)" >= 0 and

not isnull("Origin ID") and

"Origin ID" <> '' and

not isnull("Dest ID") and

"Dest ID" <> ''

Order by "Create Date";

// "Landed Cost" > 0 and

;

//Add Last Value for Dest City and Origin City

Left Join(SCA\_FA\_New\_2)

Load

"Origin ID",

LastValue("Origin City") as "Last Origin City"

Resident SCA\_FA\_New\_2

Group by "Origin ID"

Order by "Create Date"

;

Left Join(SCA\_FA\_New\_2)

Load

"Dest ID",

LastValue("Dest City") as "Last Dest City"

Resident SCA\_FA\_New\_2

Group by "Dest ID"

Order by "Create Date"

;

//Add in Annualized month tag

Left Join(SCA\_FA\_New\_2)

Load

"Shipment Num",

'Yes' as "Annualized Date"

Resident SCA\_FA\_New\_2

Where "Create Date" >= '08/01/2020' and "Create Date" <= '11/30/2020'

;

Drop table SCA\_FA\_New\_1;

# //Master Cal

//Create Complete IDs and Date table

SCA\_FA\_Temp:

Load

Distinct("Origin ID") as "Origin ID",

"Dest ID",

"Sold To",

"TMS Ship To",

"Dest BU",

"Origin Zip",

"Dest Zip"

Resident SCA\_FA\_New\_2

;

left join(SCA\_FA\_Temp)

Load

"Date" as "Create Date"

FROM [lib://Production QVDs/QlikSense/FA\_Calendar.qvd]

(qvd)

Where Date >= '01/01/2019' and Date <= Today();

//Add to OST

join (SCA\_FA\_New\_2)

Load\*

Resident SCA\_FA\_Temp;

Drop Tables

SCA\_FA\_Temp;