

ORACLE BI REPORT

Multiple Datasets Data Model

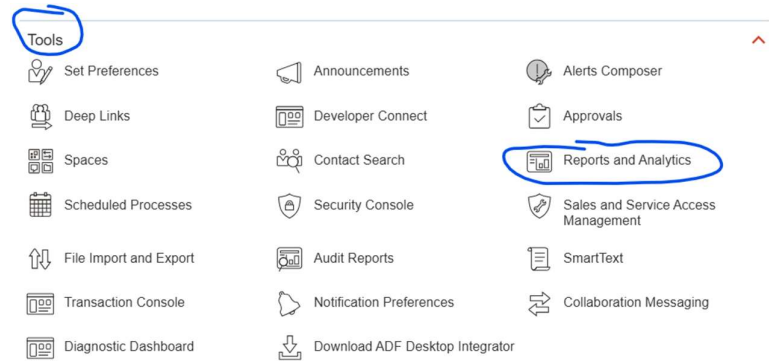
Abstract

This document provides instructions to create a multiple dataset data model in BI Report.

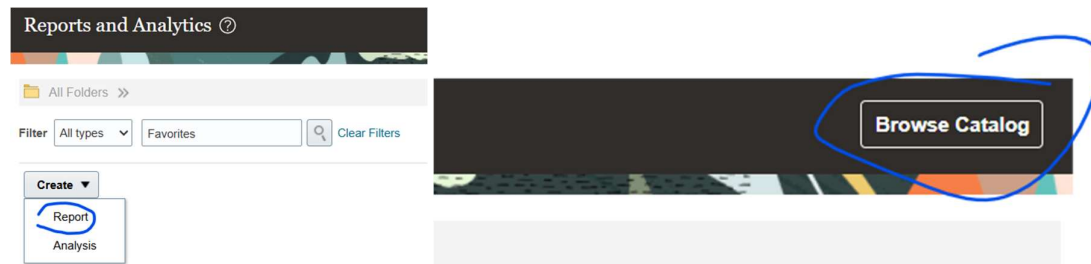
Ganesh Mahto

Create a multiple dataset

Navigation-> Tools->Reports and Analytics

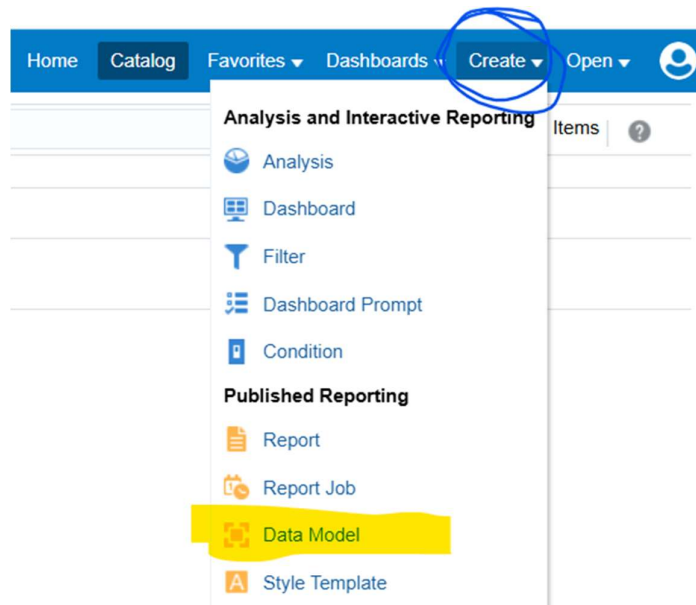


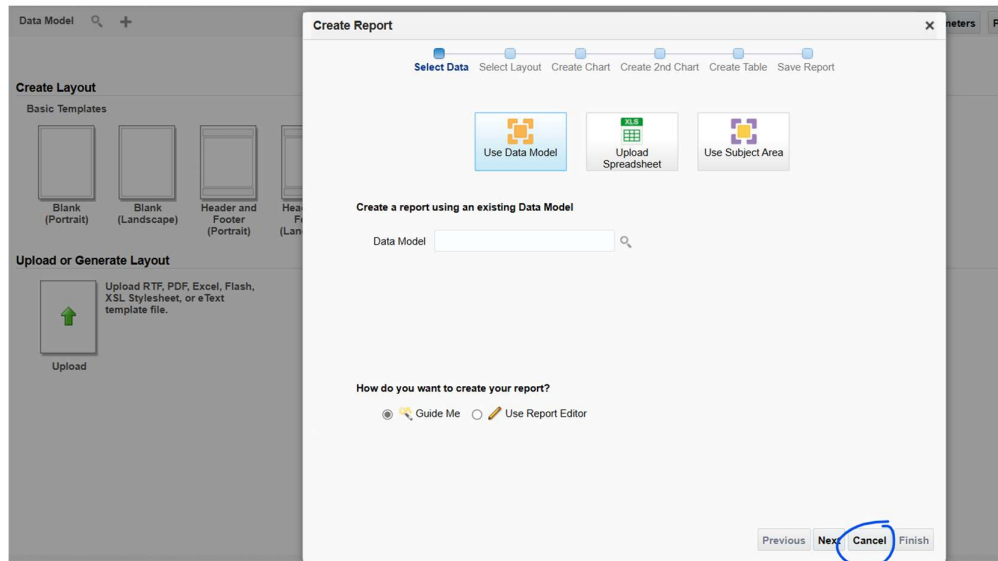
Click Report or Browse Catalog



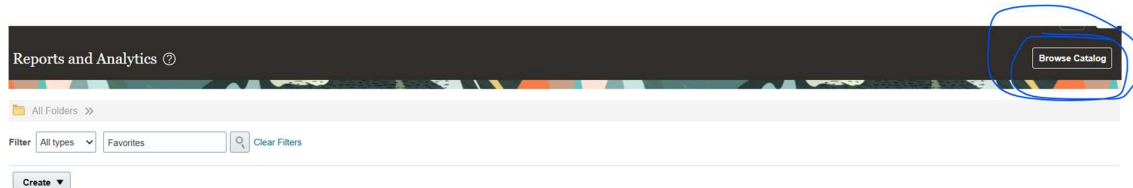
Click on **Report**, it will open Report Wizard. Click on **Cancel** as first need to create Data Model that can be create from various place.

From Browse Catalog, click on "Create" and select "Data Model" from list as below image

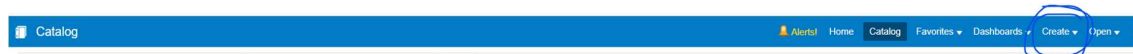




Another way, Click on Browse Catalog



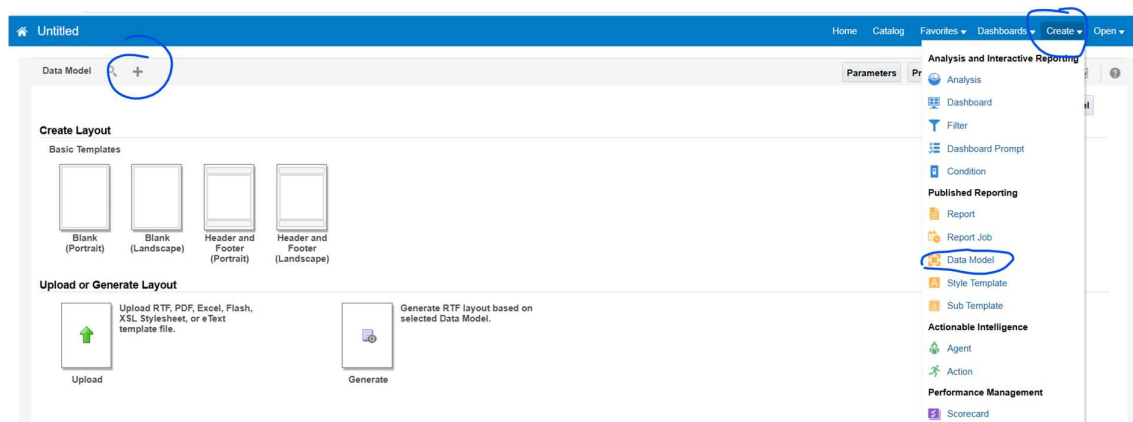
It will be open window, Click on Create for new Data Model or Report Layout.



Data Model Design

Create Data Model

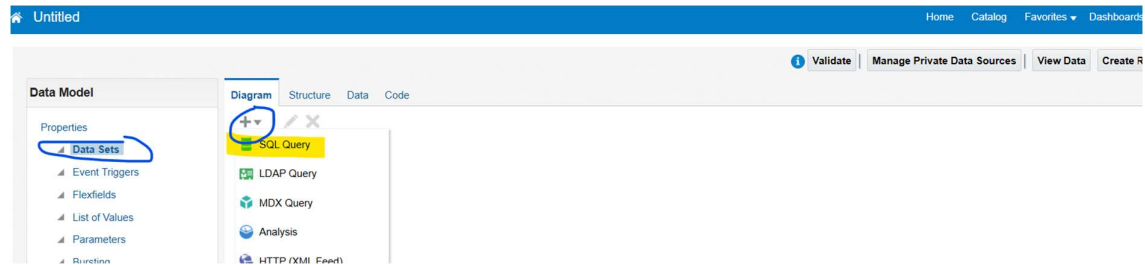
Either click on plus (+) sign left side or click on right side Create -> Data Model



It will leave this window and open new window Data Model.

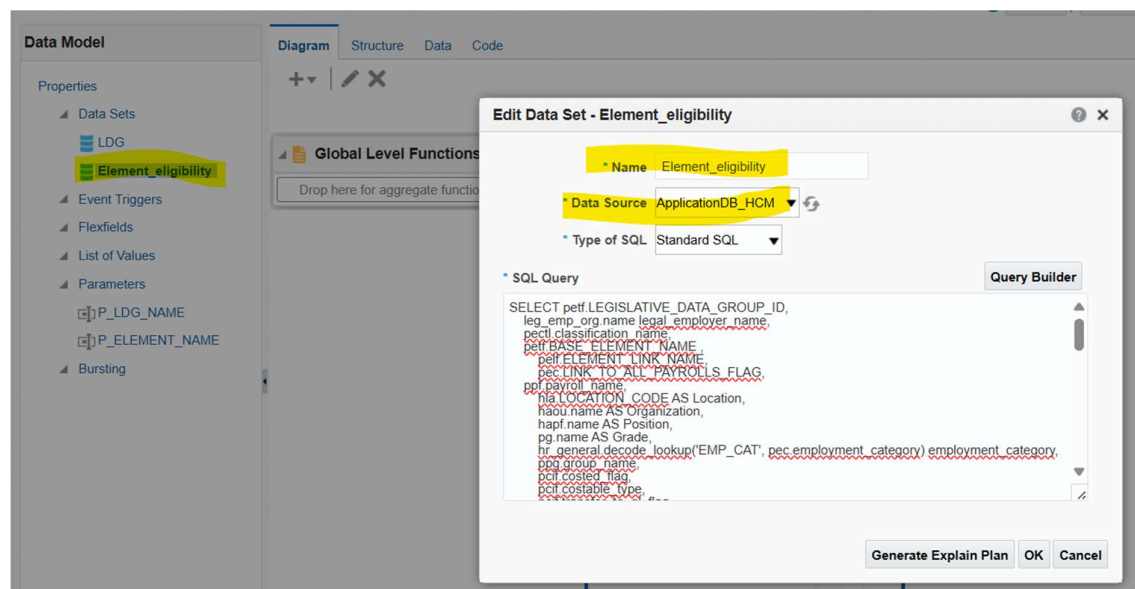
Create Multiple Data Sets using SQL Query as Source

Create 1st Data Model (Element_eligibility)



Select appropriate Database Source.

ApplicationDB_HCM is selected as this report belong to HCM Cloud.

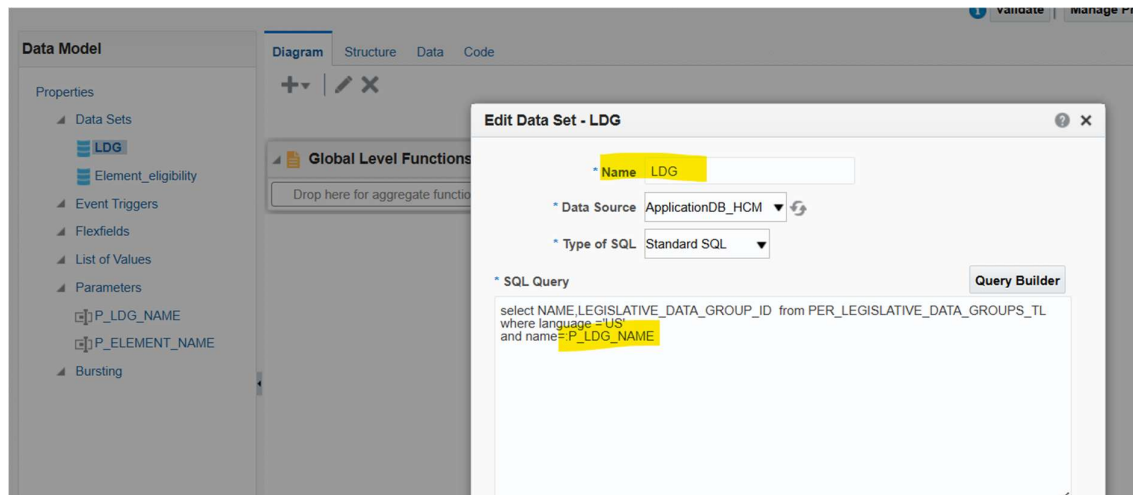


Create a SQL query with bind Variable,

Note: Create bind variable use **:** before parameter name, a popup window will open to confirm and generate parameter.

Click OK to create parameter.

Create 2nd Dataset (LDG)



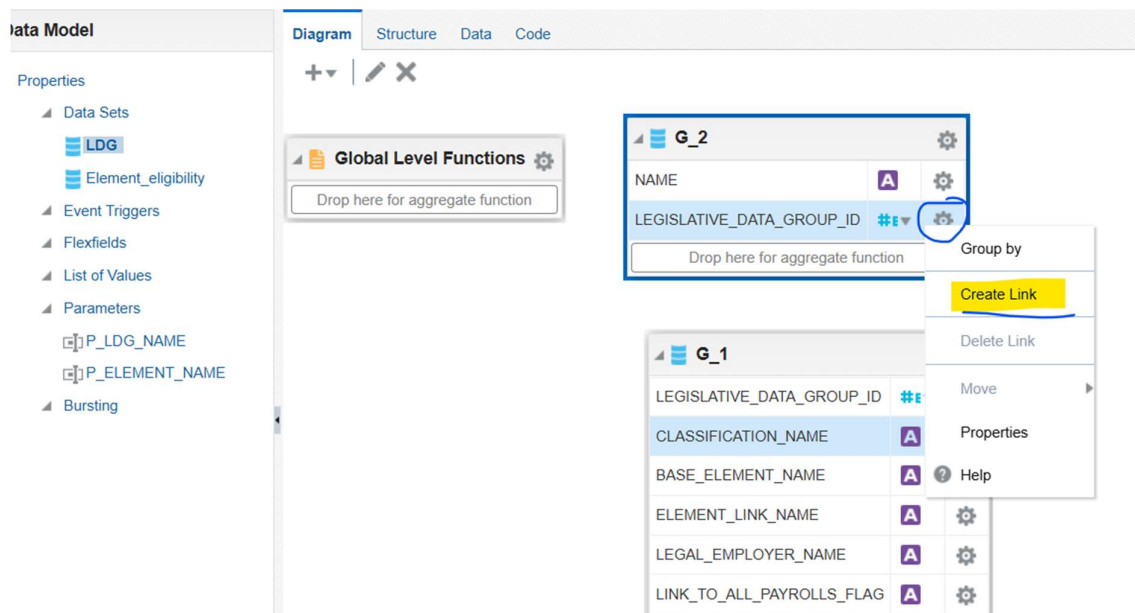
Note: Any dataset can create as first dataset, LDG or Element_eligibility

Create Data Link

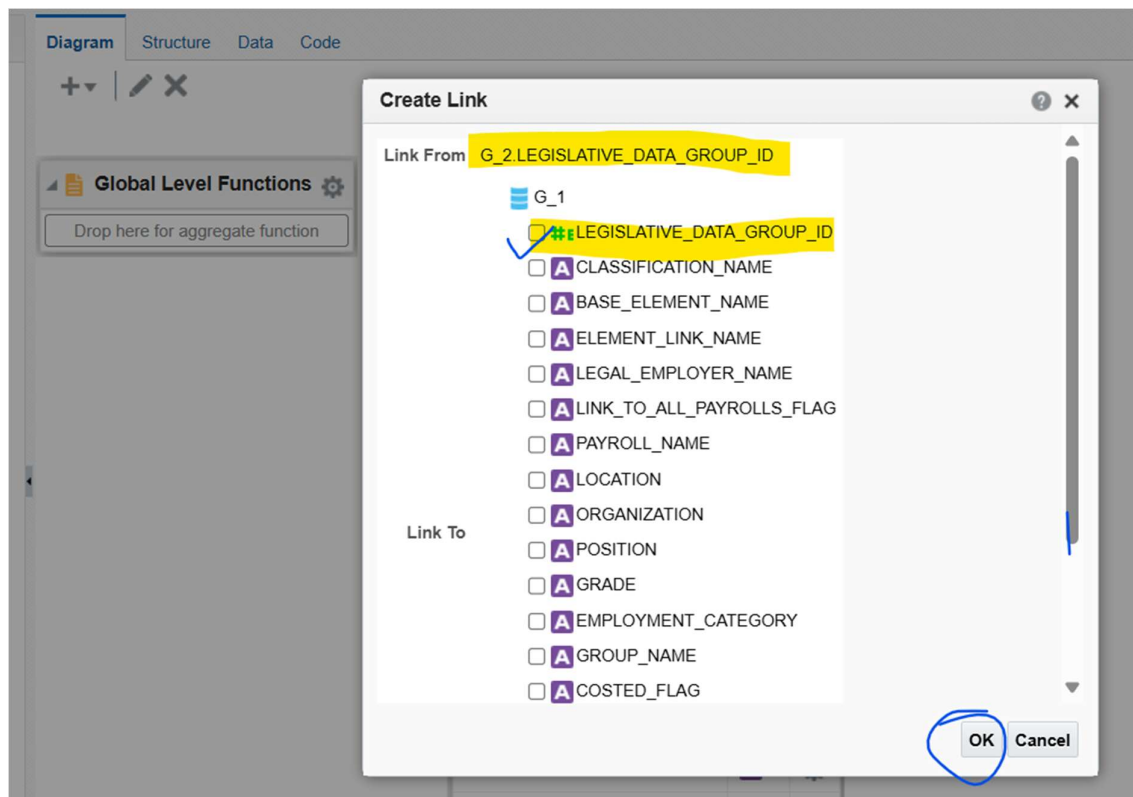
In both Data sets, “**LEGISLATIVE_DATA_GROUP_ID**” is relation ID that can use to create data link between above data sets. It will create Parent child relationship between both data sets.

In this example, LDG is parent and Element_Eligibility is child dataset.

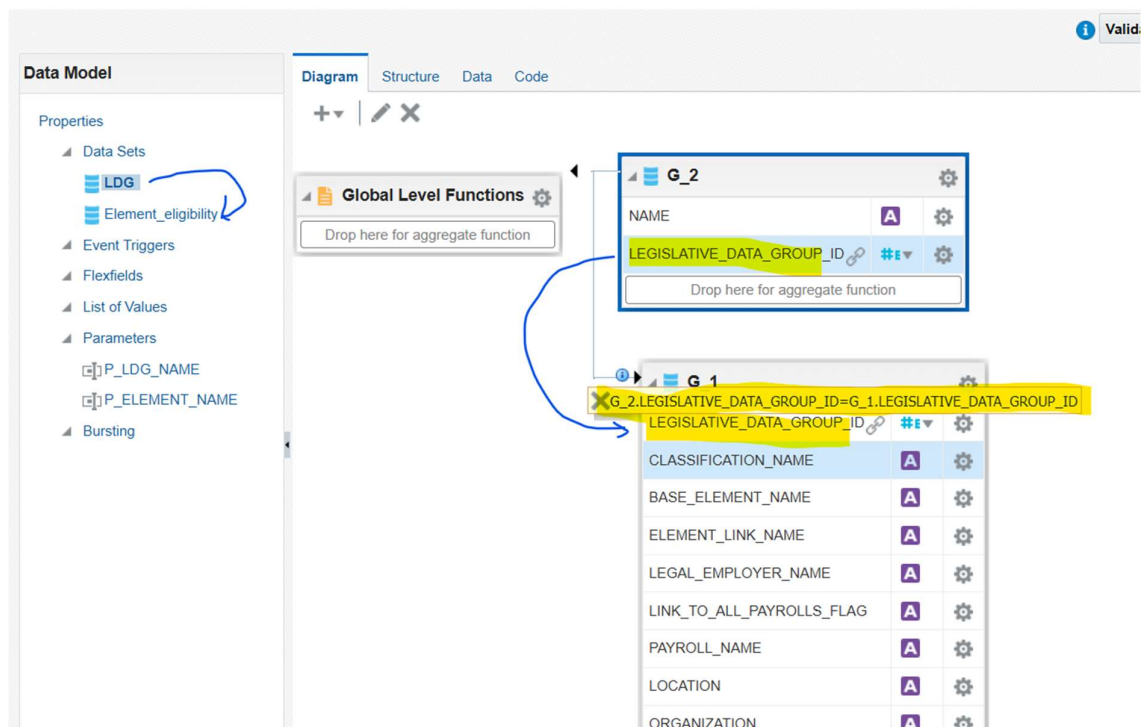
Click on LDG Dataset->Open Diagram->click on  icon ->Create Link



Select “**LEGISLATIVE_DATA_GROUP_ID**” as below image and click “OK”



It create data link between datasets,



View Structure.

Data Model

Properties

▲ Data Sets

LDG

Element_eligibility

▲ Event Triggers

▲ Flexfields

▲ List of Values

▲ Parameters

P_LDГ_NAME

P_ELEMENT_NAME

▲ Bursting

Diagram

Structure

Data

Code

Table View

Output

▲ Report Data					
▲ Data Structure	DATA_DS				
▲ LDG	G_2				
▲ NAME	NAME			NAME	▲
▲ LEGISLATIVE_DATA_GROUP_ID	LEGISLATIVE_DATA_GROUP_ID			LEGISLATIVE_DATA_GROUP_ID	##
▲ Element_eligibility	G_1				
▲ LEGISLATIVE_DATA_GROUP_ID	LEGISLATIVE_DATA_GROUP_ID			LEGISLATIVE_DATA_GROUP_ID	##
▲ CLASSIFICATION_NAME	CLASSIFICATION_NAME			CLASSIFICATION_NAME	▲
▲ BASE_ELEMENT_NAME	BASE_ELEMENT_NAME			BASE_ELEMENT_NAME	▲
▲ ELEMENT_LINK_NAME	ELEMENT_LINK_NAME			ELEMENT_LINK_NAME	▲
▲ LEGAL_EMPLOYER_NAME	LEGAL_EMPLOYER_NAME			LEGAL_EMPLOYER_NAME	▲
▲ LINK_TO_ALL_PAYROLLS_FLAG	LINK_TO_ALL_PAYROLLS_FLAG			LINK_TO_ALL_PAYROLLS_FLAG	▲

View Data

Passed parameter and view the data.

Properties

▲ Data Sets

LDG

Element_eligibility

▲ Event Triggers

▲ Flexfields

▲ List of Values

▲ Parameters

P_LDГ_NAME

P_ELEMENT_NAME

▲ Bursting

P_LDГ_NAME

GB Legislative Data Gr

P_ELEMENT_NAME

Annual Salary UK

Rows

5

View

Export

Save As Sample Data

View Engine Log

Generate SQL Monitor Report

Tree View

Table View

DATA_DS

P_LDГ_NAME (GB Legislative Data Group)

P_ELEMENT_NAME (Annual Salary UK)

▲ G_2

NAME (GB Legislative Data Group)

LEGISLATIVE_DATA_GROUP_ID (300000047480120)

▲ G_1

LEGISLATIVE_DATA_GROUP_ID (300000047480120)

CLASSIFICATION_NAME (Standard Earnings)

BASE_ELEMENT_NAME (Annual Salary UK)

ELEMENT_LINK_NAME (Annual Salary UK Open)

LINK_TO_ALL_PAYROLLS_FLAG (N)

COSTABLE_TYPE (C)

Query can find

Knowledge Hub -> Scripts -> HCM SQL Queries