Workshop - Introduction

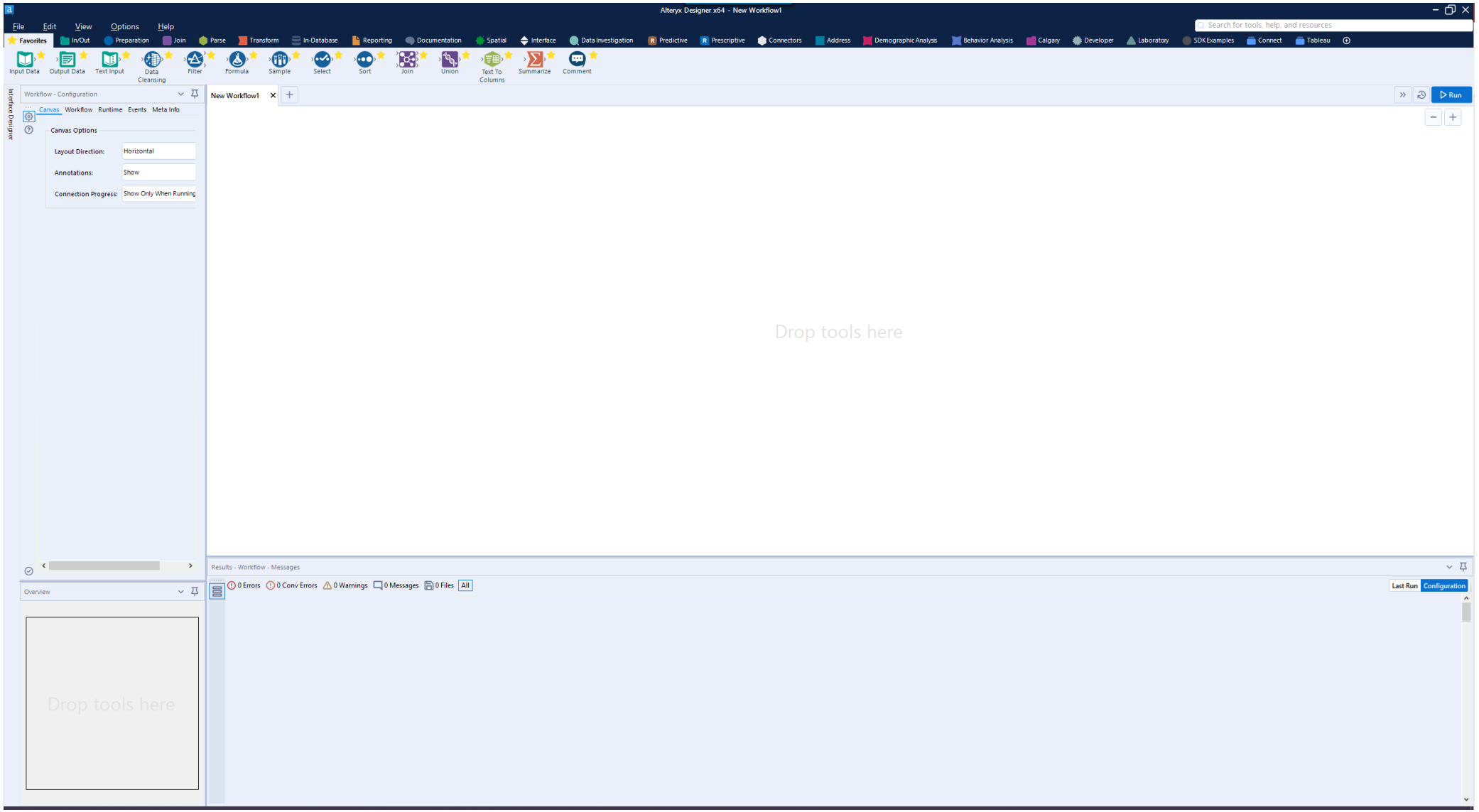
- Alteryx – Data Preparation

Workshop

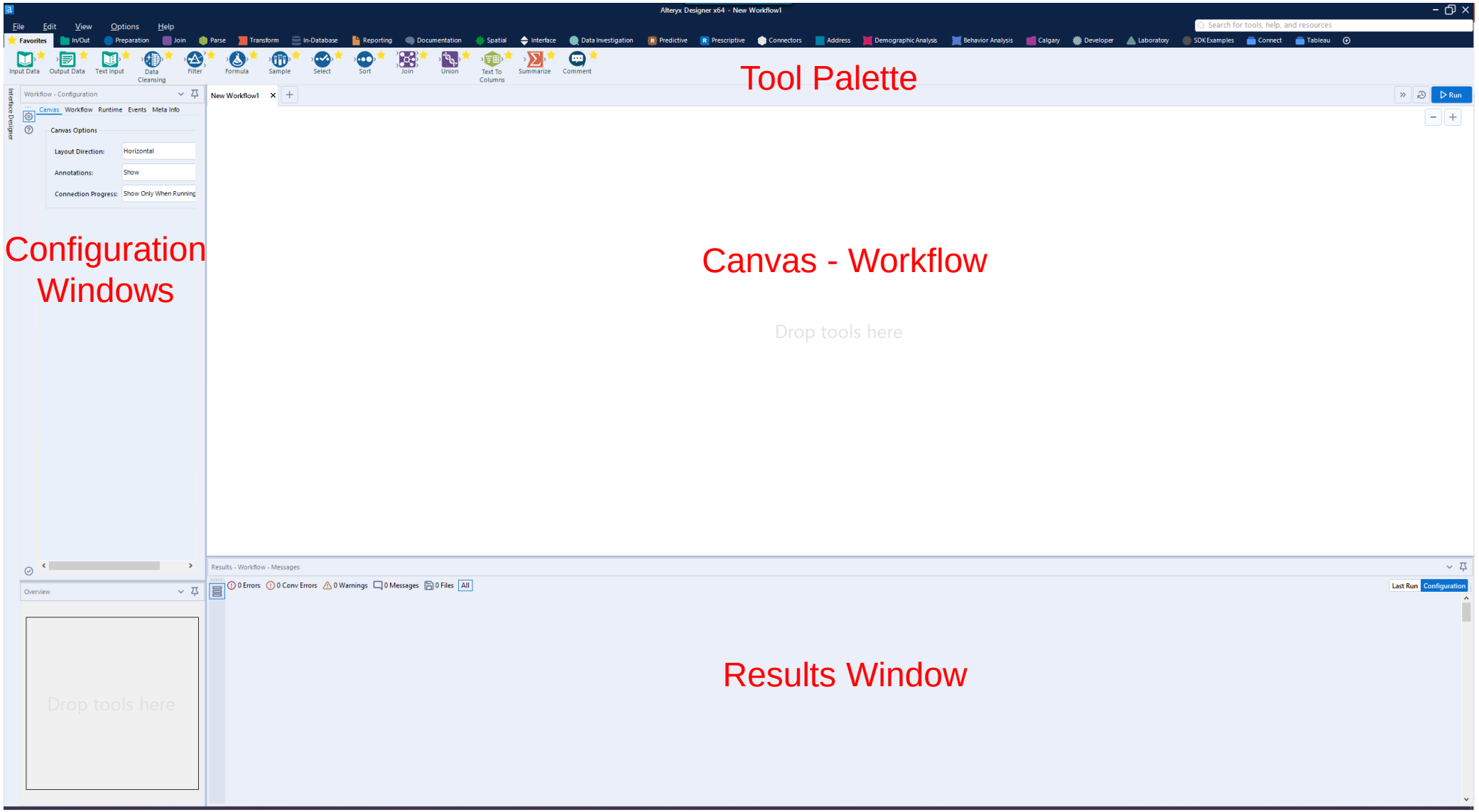
- Import sql server database: info7370_input
- Create Microsoft sql server database: info7370_workshop
- Create MySQL database: info7370_workshop
- Create PostgreSQL database: info7370_workshop
- Create Oracle database: info7370

dbName	SchemaName	TableName	Table_Rows
info7370_input	dbo	BuyingGroups	2
info7370_input	dbo	Cities	37,940
info7370_input	dbo	ColdRoomTemperatures	33,510,516
info7370_input	dbo	Colors	36
info7370_input	dbo	Countries	190
info7370_input	dbo	CustomerCategories	8
info7370_input	dbo	Customers	719
info7370_input	dbo	CustomerTransactions	254,256
info7370_input	dbo	DeliveryMethods	10
info7370_input	dbo	OrderLines	588,331
info7370_input	dbo	Orders	192,244
info7370_input	dbo	PackageTypes	14
info7370_input	dbo	PaymentMethods	4
info7370_input	dbo	People	1,167
info7370_input	dbo	SpecialDeals	2
info7370_input	dbo	StateProvinces	53
info7370_input	dbo	StockGroups	10
info7370_input	dbo	StockItemHoldings	227
info7370_input	dbo	StockItems	227
info7370_input	dbo	StockItemStockGroups	442
info7370_input	dbo	StockItemTransactions	598,736
info7370_input	dbo	SupplierCategories	9
info7370_input	dbo	Suppliers	13
info7370_input	dbo	SupplierTransactions	5,413
info7370_input	dbo	TransactionTypes	13

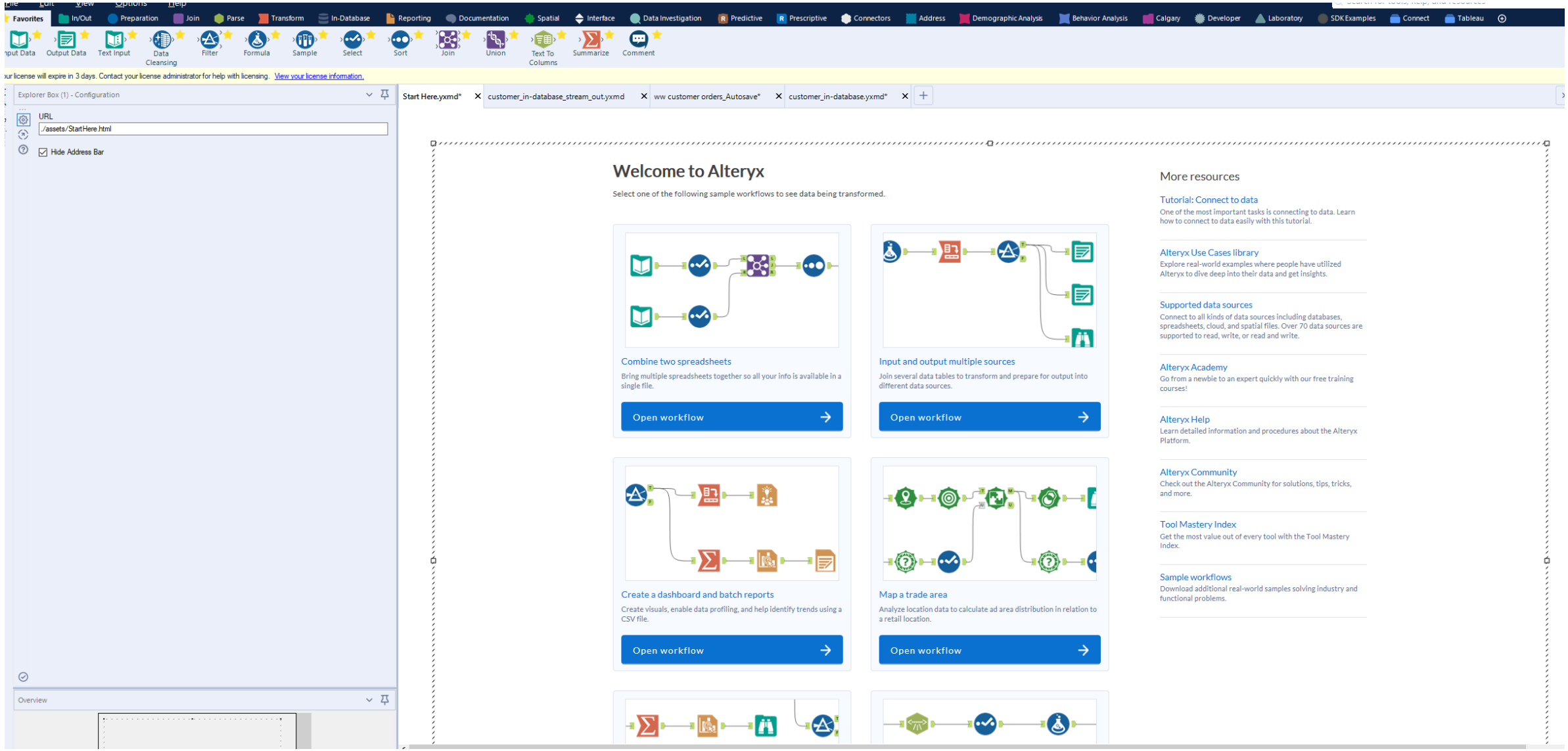
Alteryx



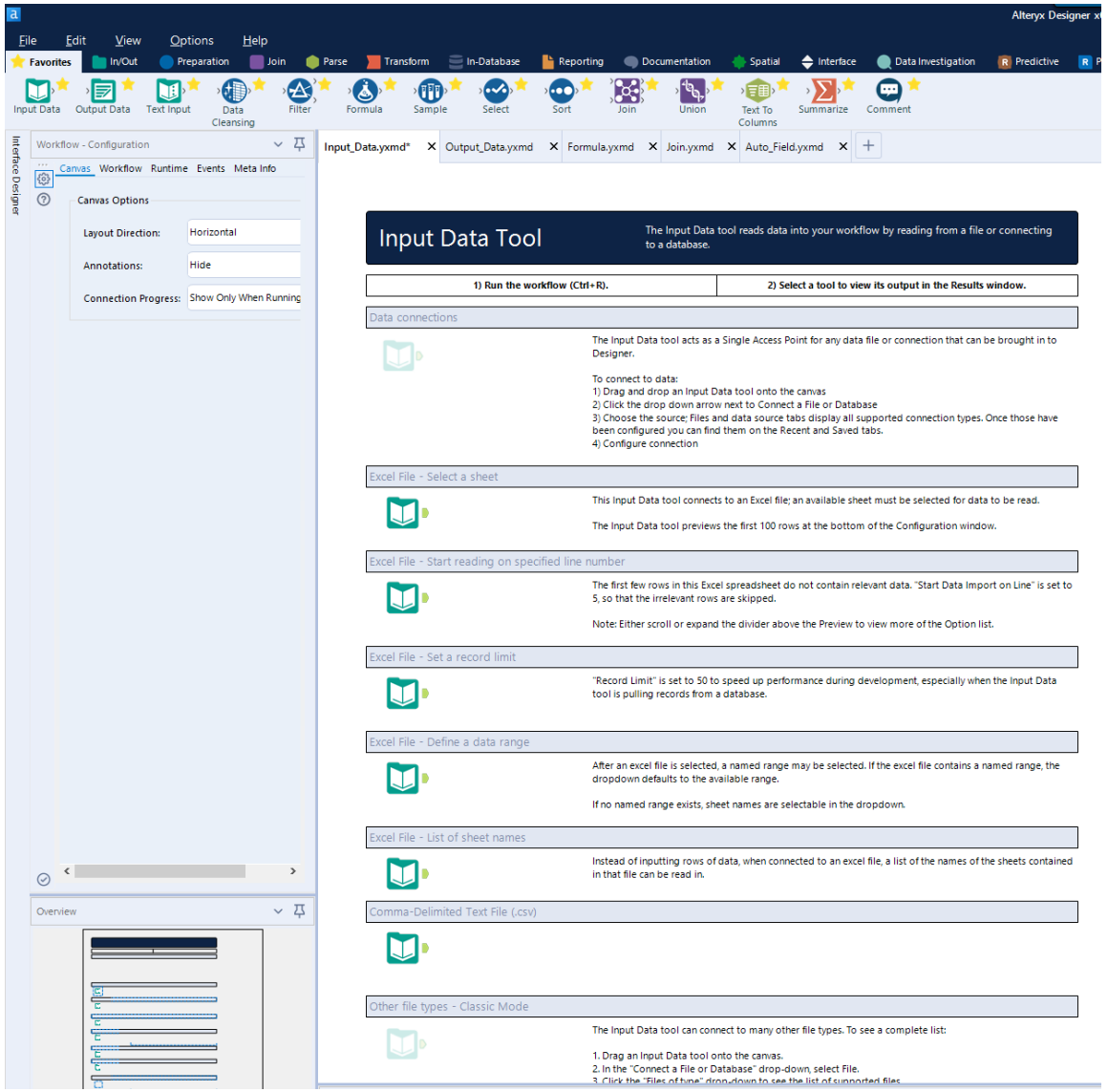
Alteryx



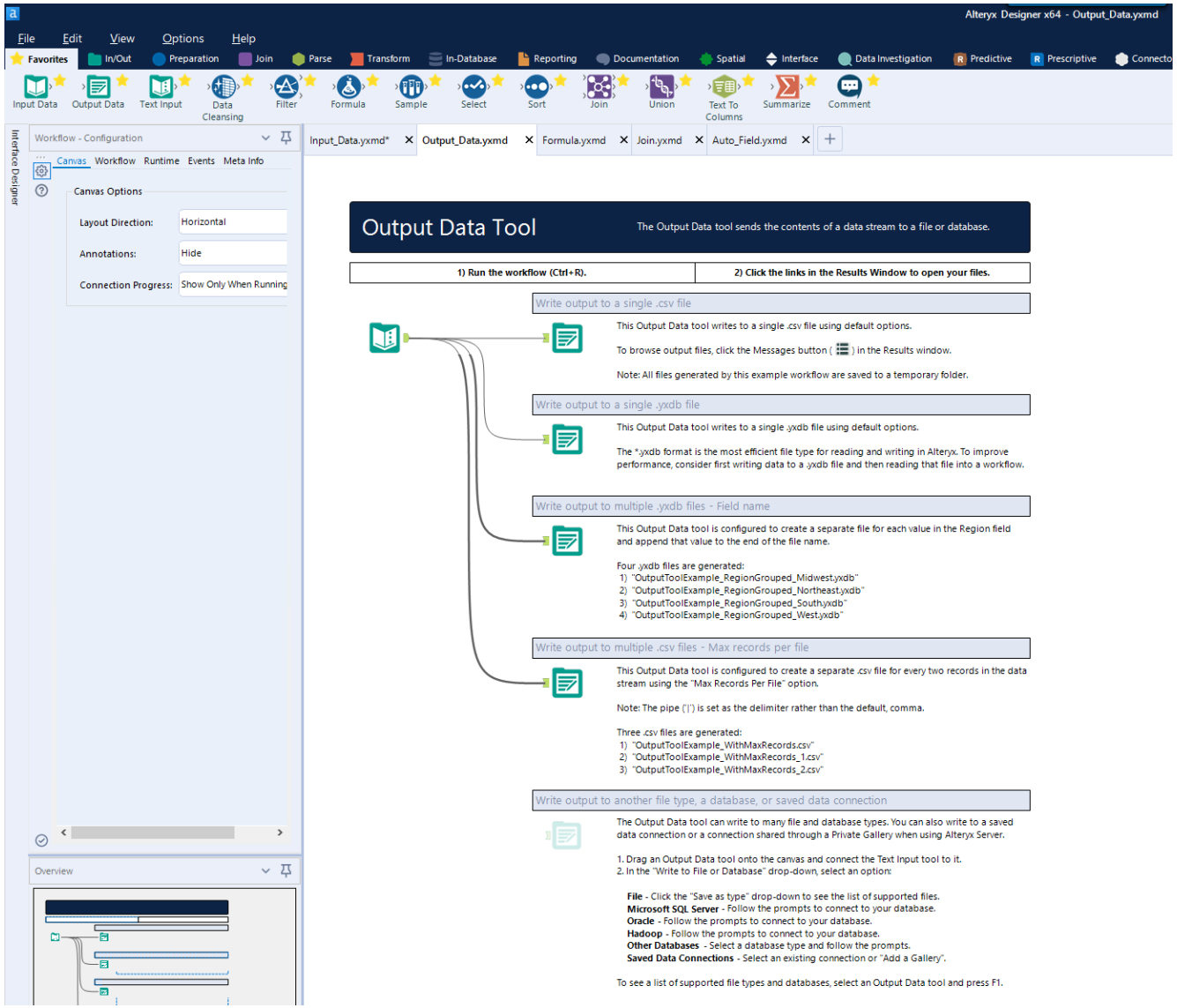
Alteryx – Start Here



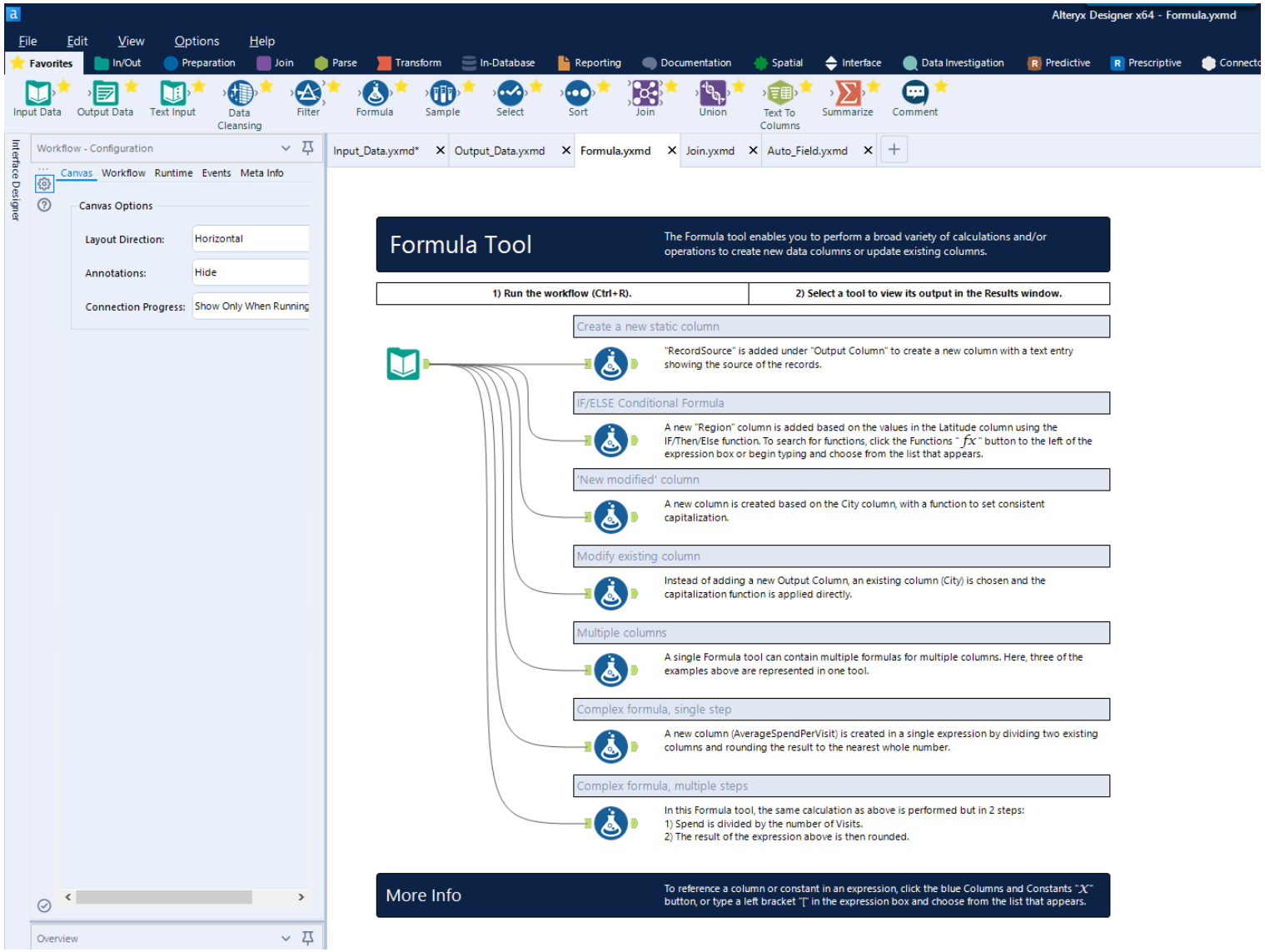
Alteryx



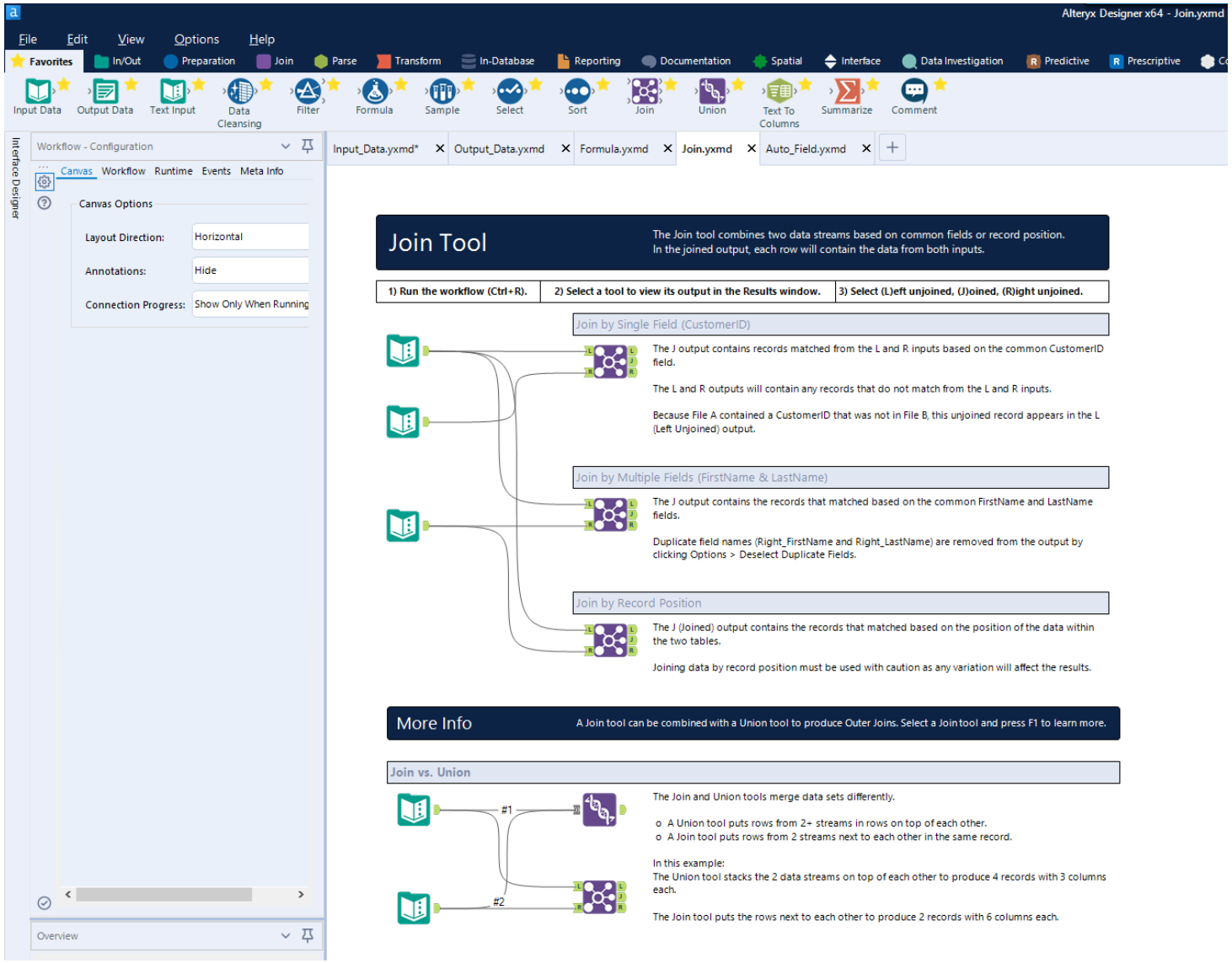
Alteryx



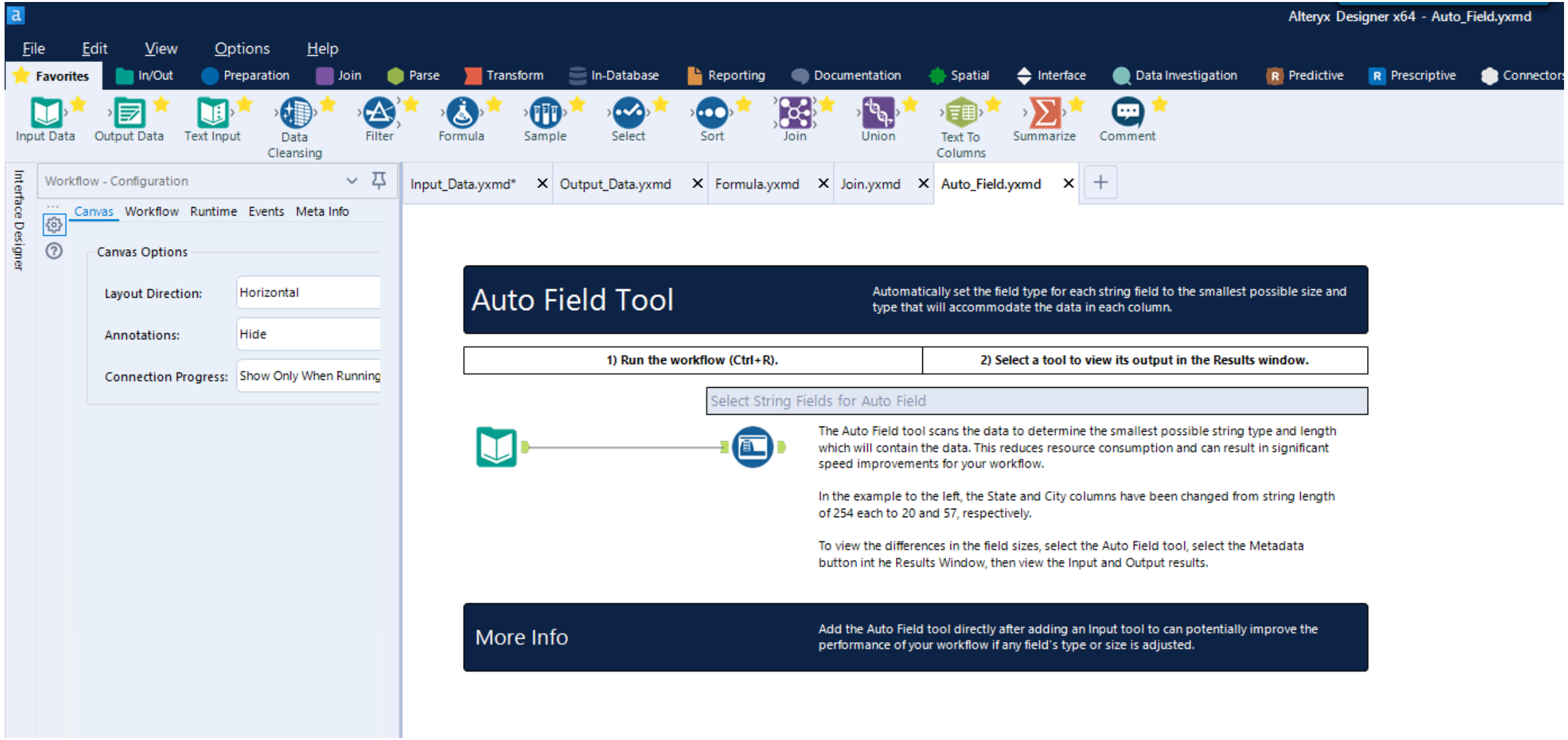
Alteryx



Alteryx



Alteryx



Alteryx

- Handling Data
  - Files csv
  - Files Excel
  - Tables
  - In-Database
- Joins
- Filters, Formulas, Select, etc.

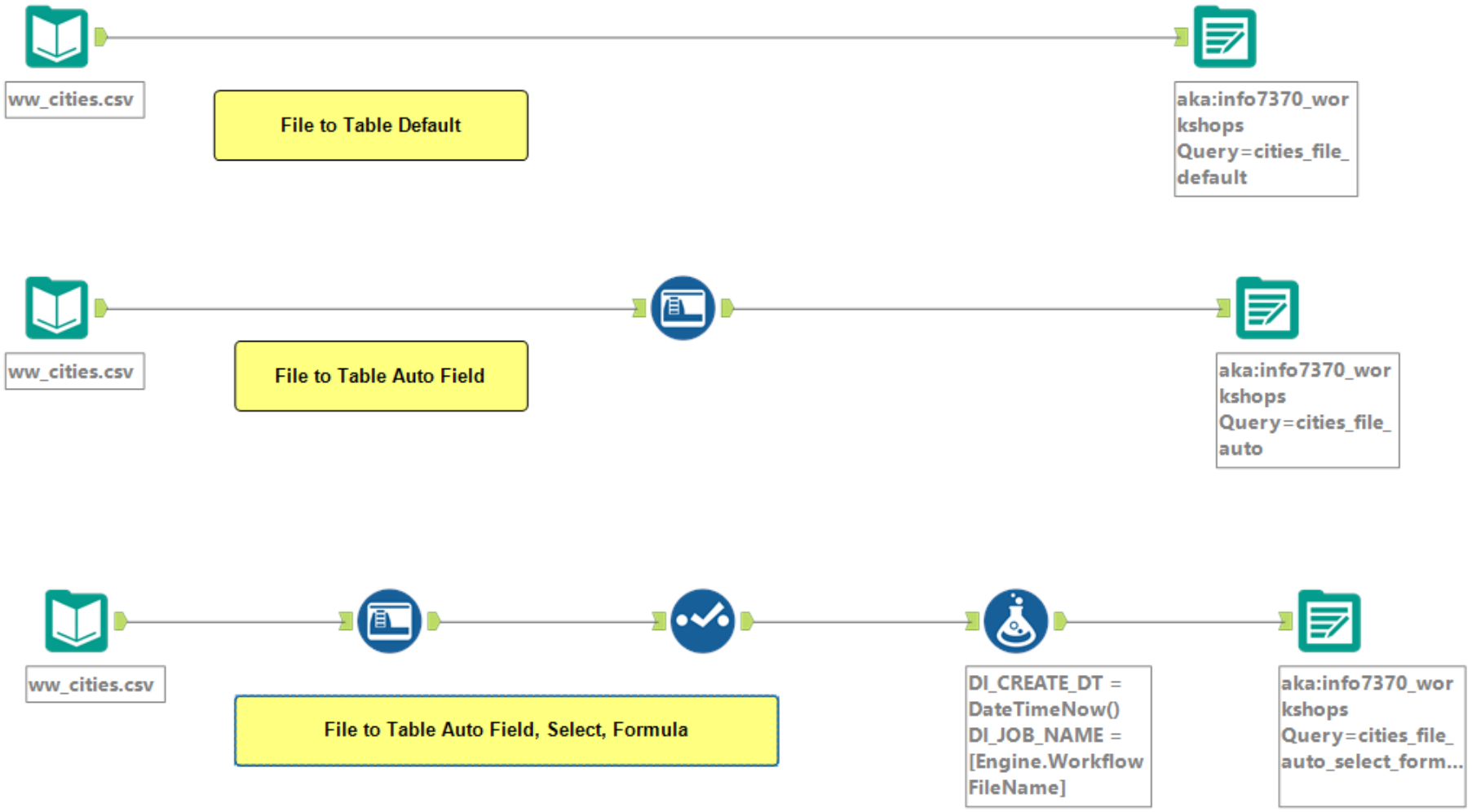
Alteryx

- DI_Create_DT, DateTime, DateTimeNow()
- DI_Job_Name, V_Wstring(255), [Engine.WorkflowFileName]

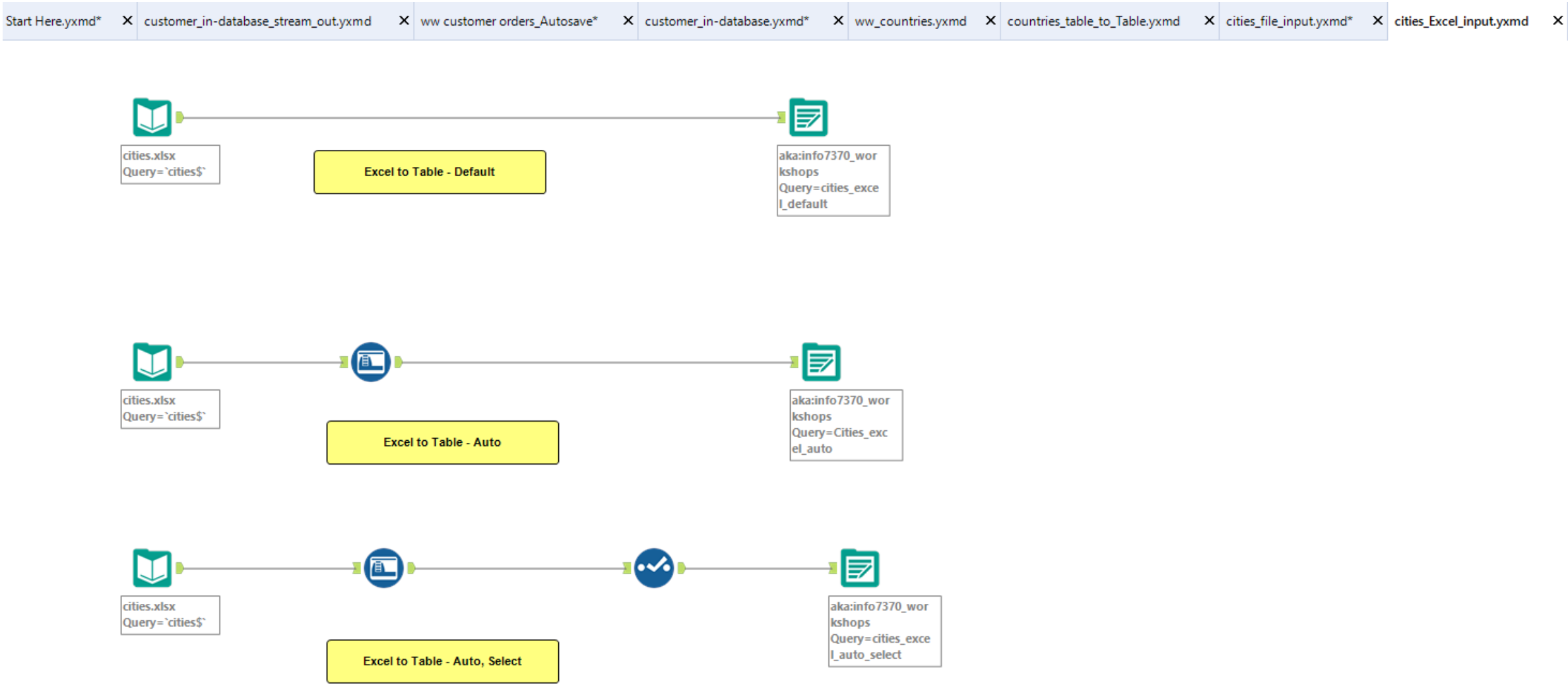
Source to Target (S2T) Mapping

Column	DataType	SSIS	Alteryx	Talend
di_tool	nvarchar(40)	SSIS	Alteryx	Talend
di_job_id	nvarchar(40)	@[System::TaskID]		
di_job_name	nvarchar(40)	@[System::TaskName]	[Engine.WorkflowFileName]	global.jobName
di_create_date	Datetime	getdate()	datetimenow()	getdate()
TaskID	nvarchar(40)	@[System::TaskID]		
TaskName	nvarchar(40)	@[System::TaskName]		
PackageID	nvarchar(40)	@[System::PackageID]		
PackageName	nvarchar(40)	@[System::PackageName]		

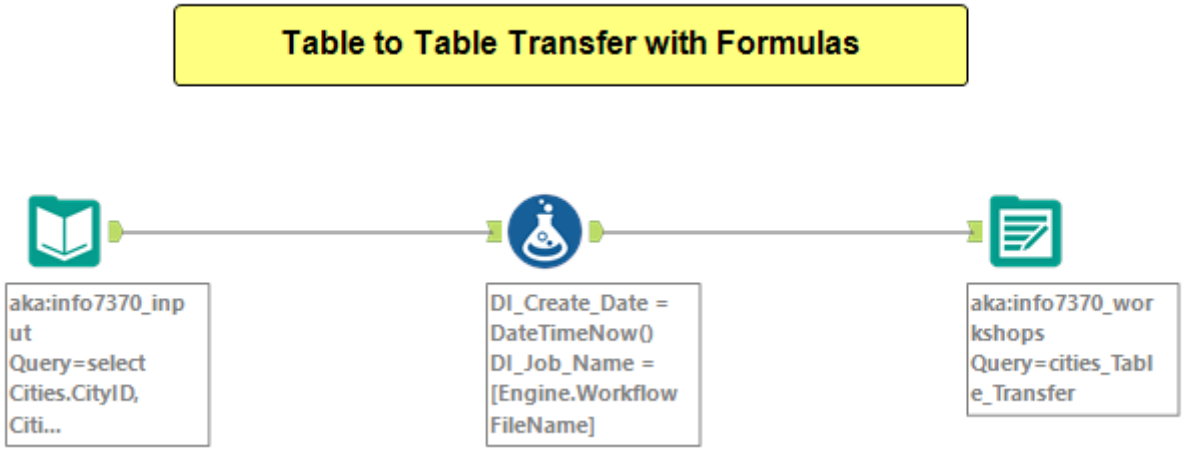
Alteryx: cities_file_input.yxmd



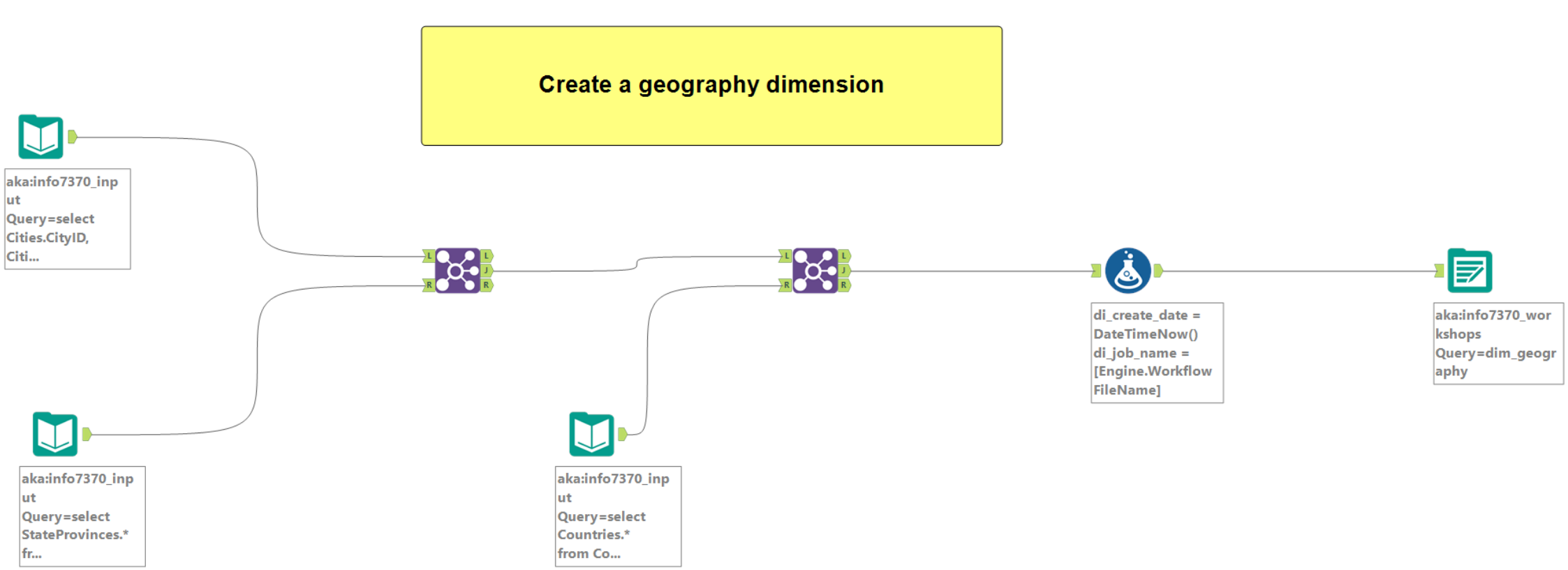
Alteryx: cities_Excel_input.yxmd



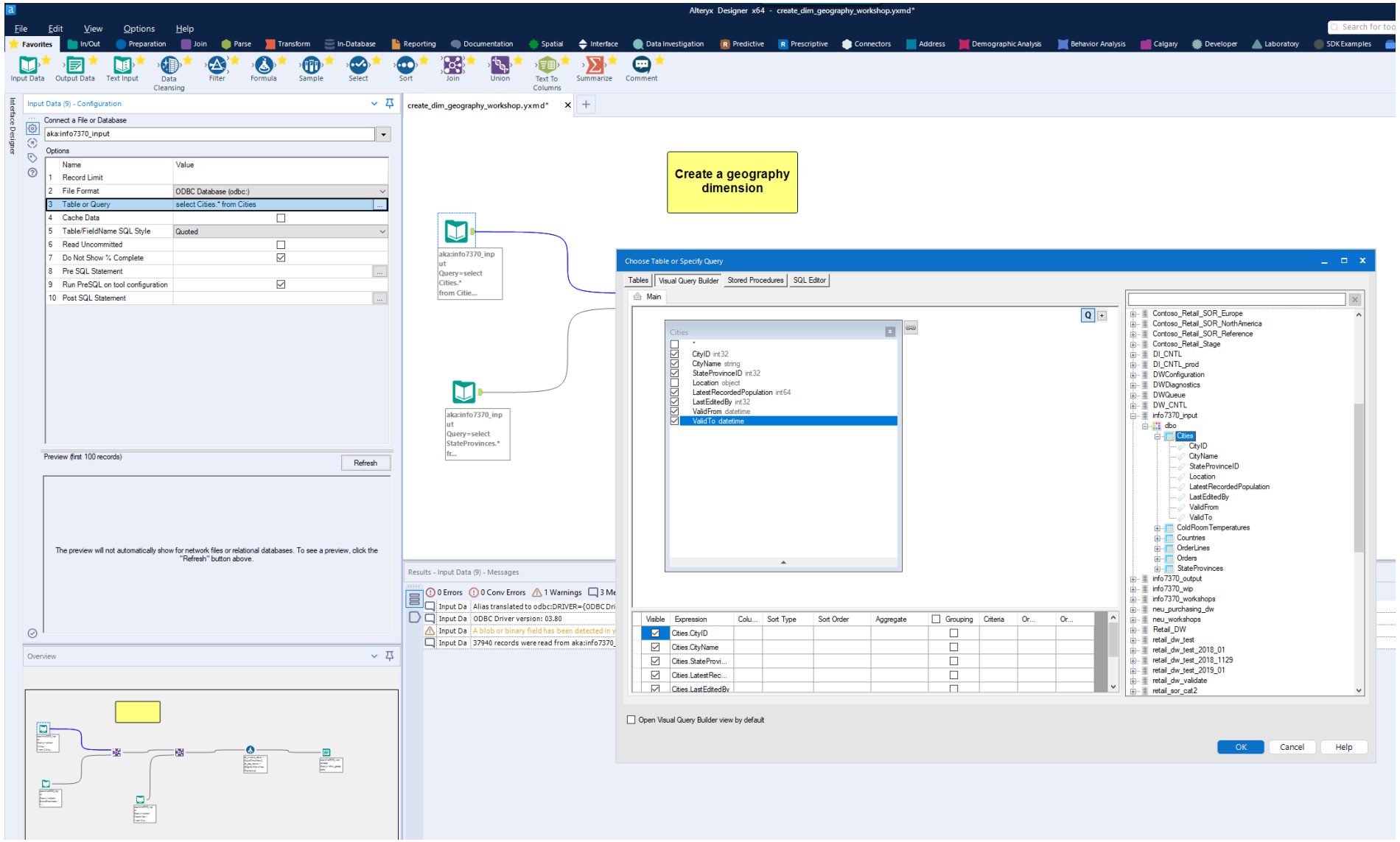
Alteryx: cities_Table_input.yxmd



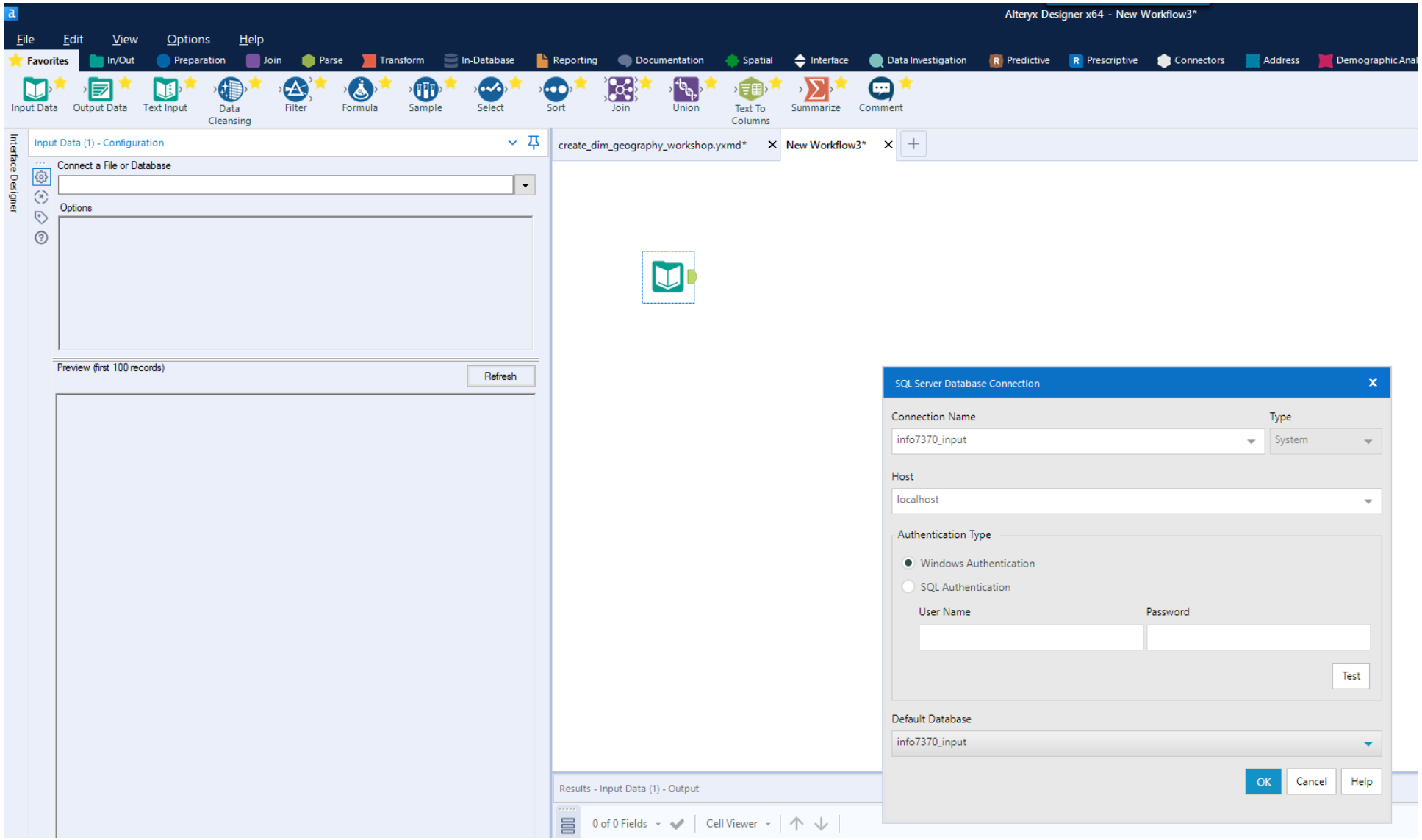
Alteryx: create_dim_geography_workshop.yxmd



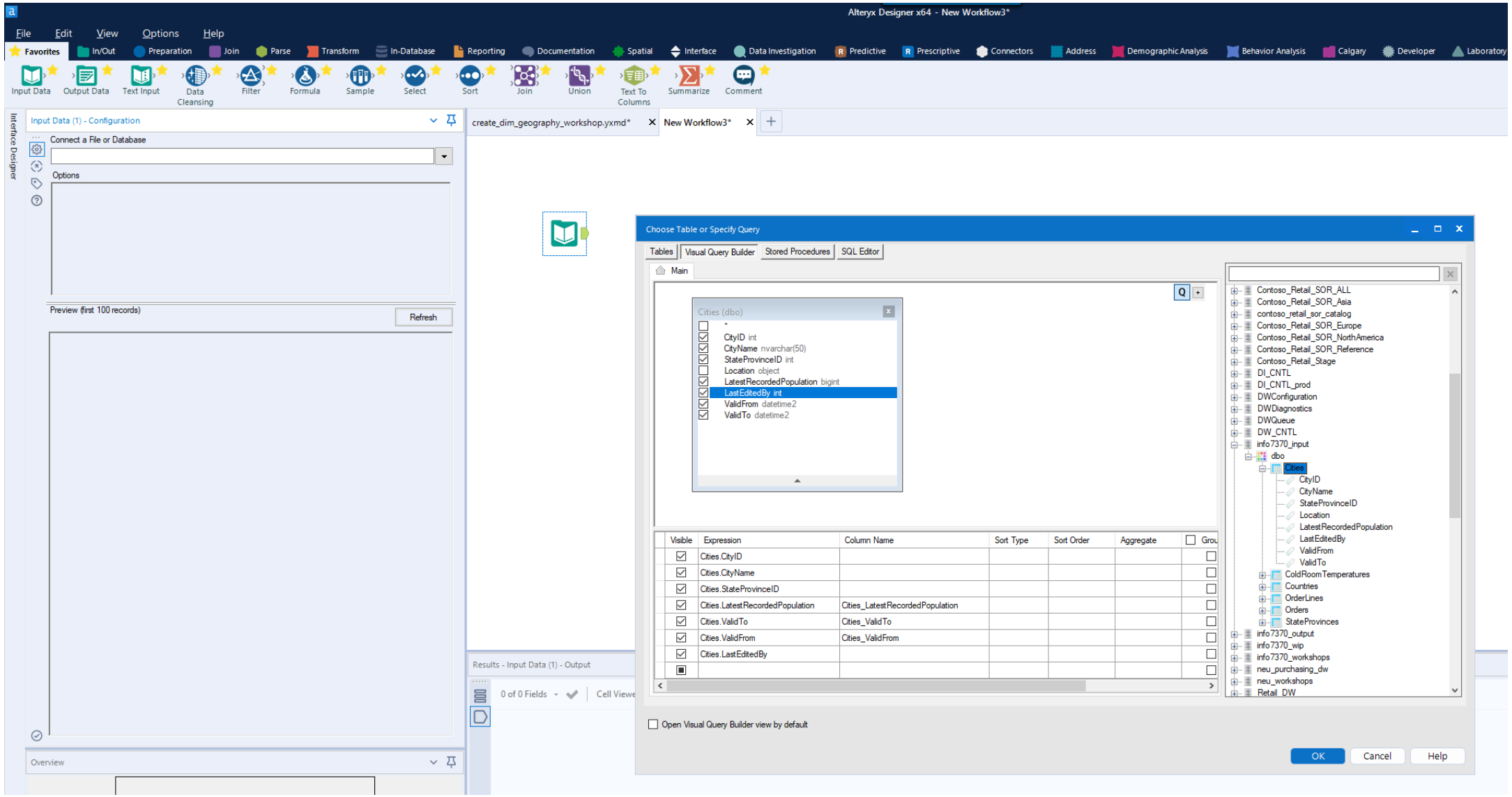
Create Dim geography



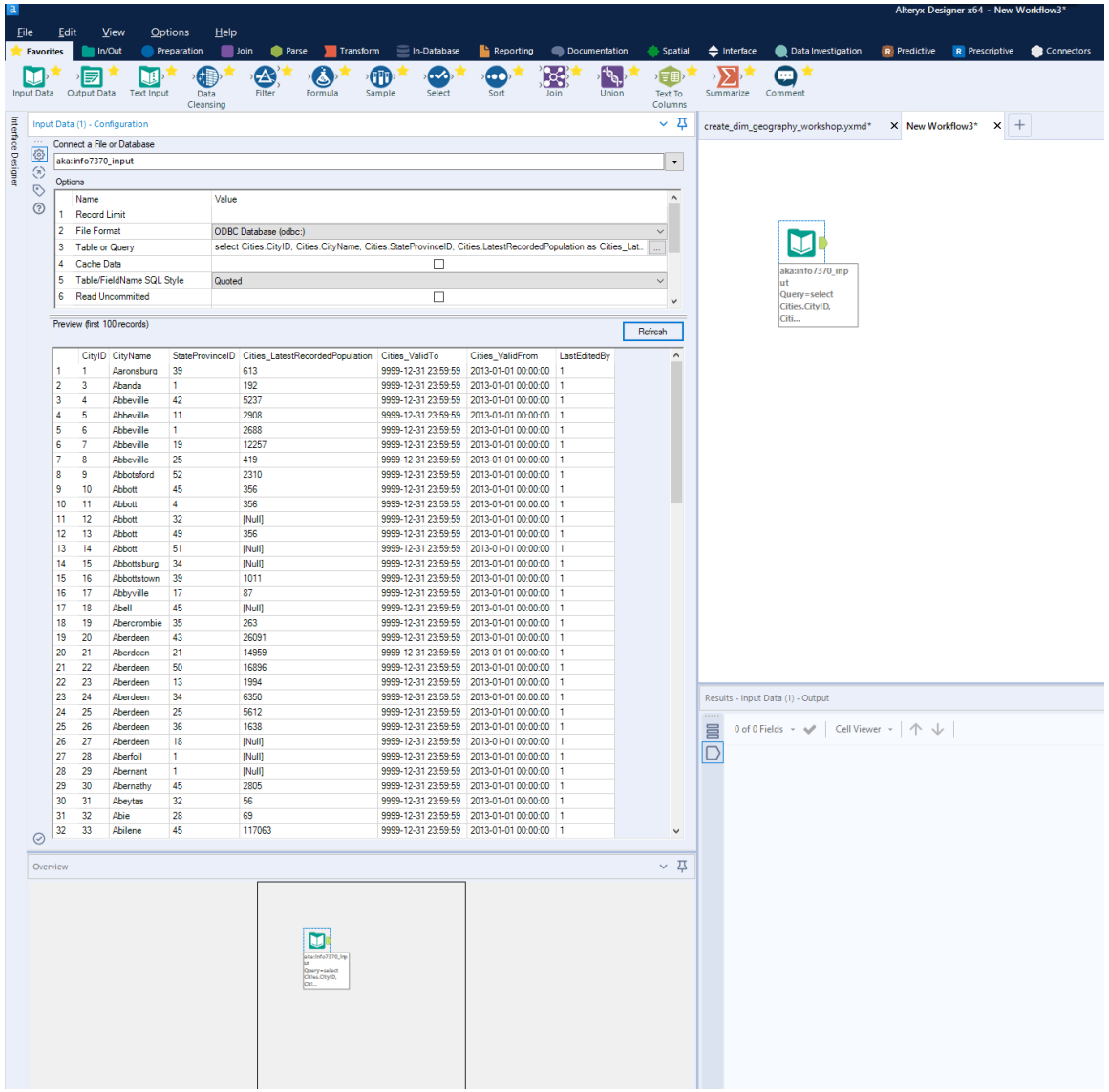
Create Dim geography



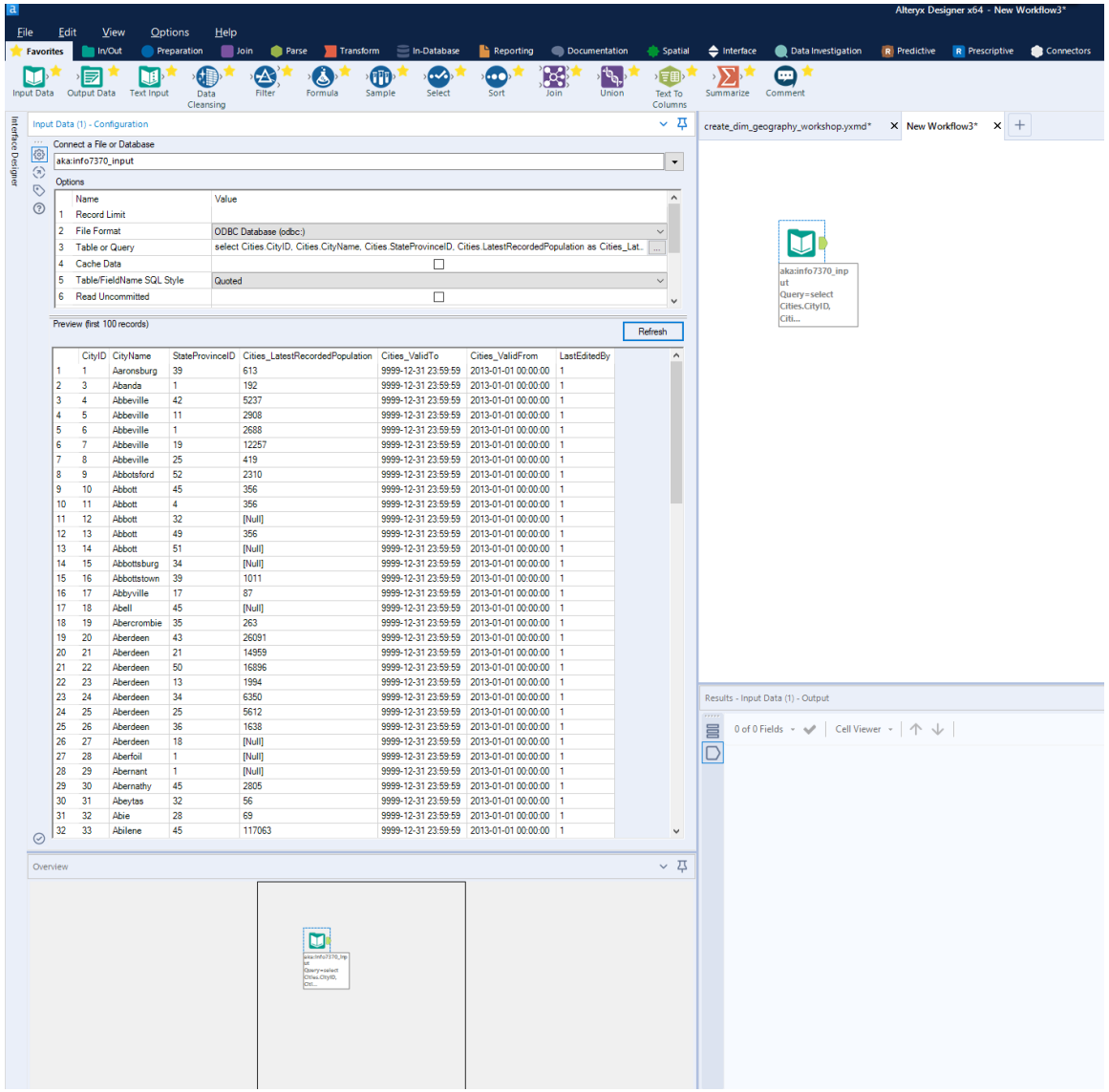
Create Dim geography



Create Dim geography



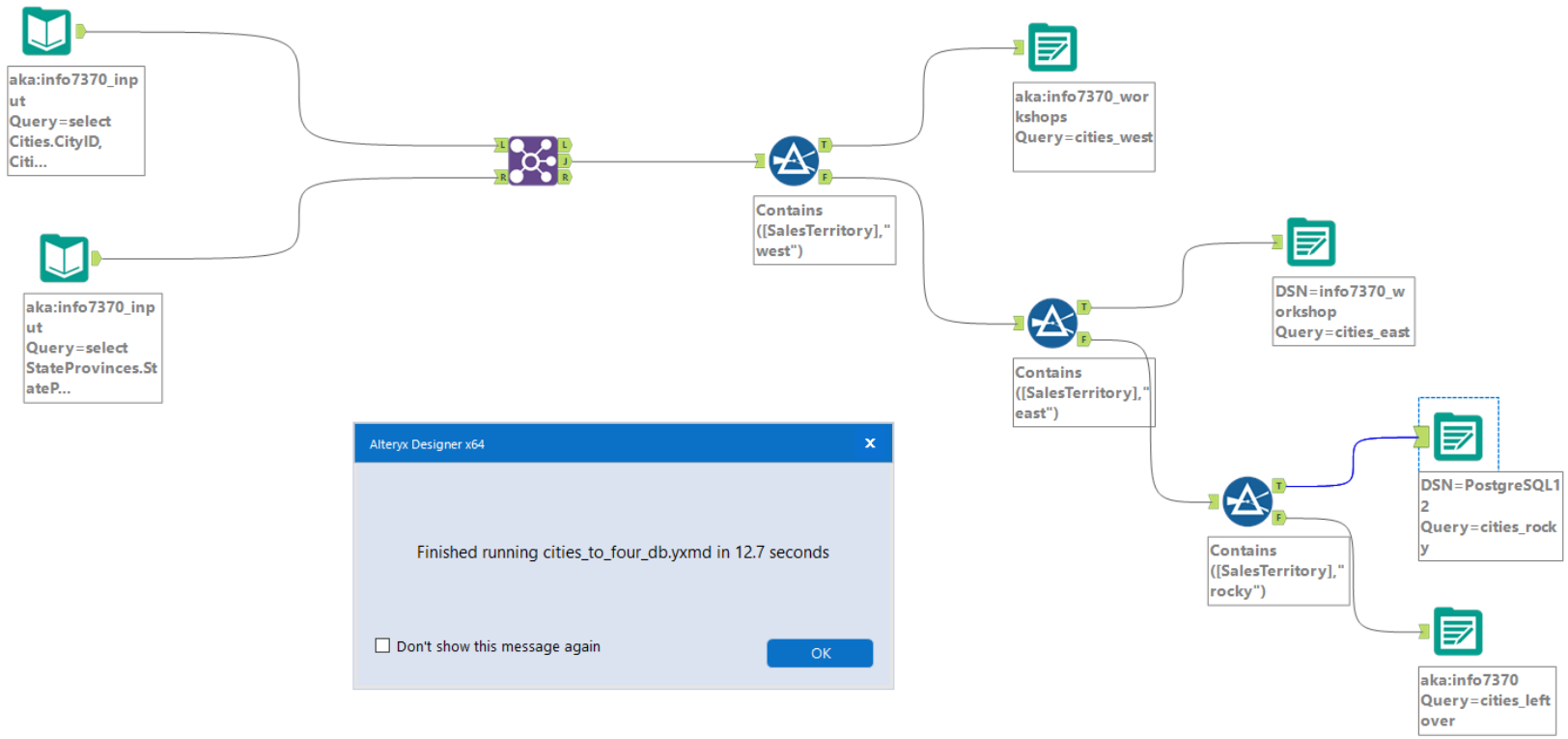
Create Dim geography

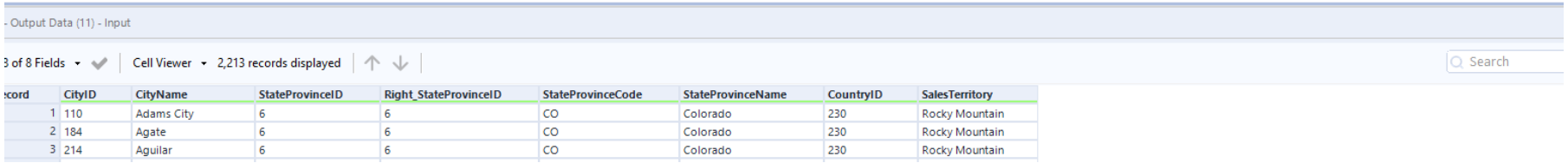


Data Preparation

More examples

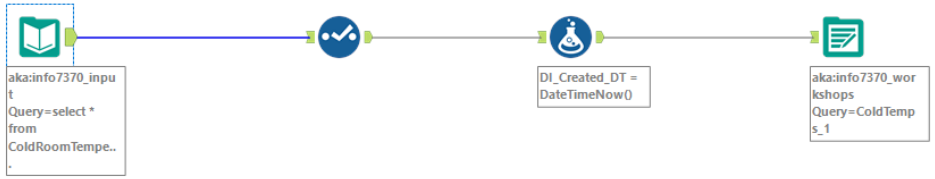
Alteryx: cities_to_four_db.yxmd

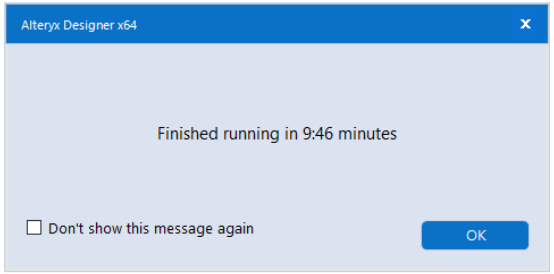




ecord	CityID	CityName	StateProvinceID	Right_StateProvinceID	StateProvinceCode	StateProvinceName	CountryID	SalesTerritory
1	110	Adams City	6	6	CO	Colorado	230	Rocky Mountain
2	184	Agate	6	6	CO	Colorado	230	Rocky Mountain
3	214	Aguilar	6	6	CO	Colorado	230	Rocky Mountain

Alteryx – ColdRoomTemperatures_tables.yxmd



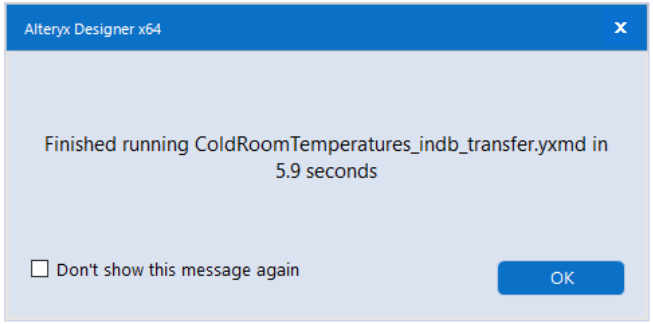


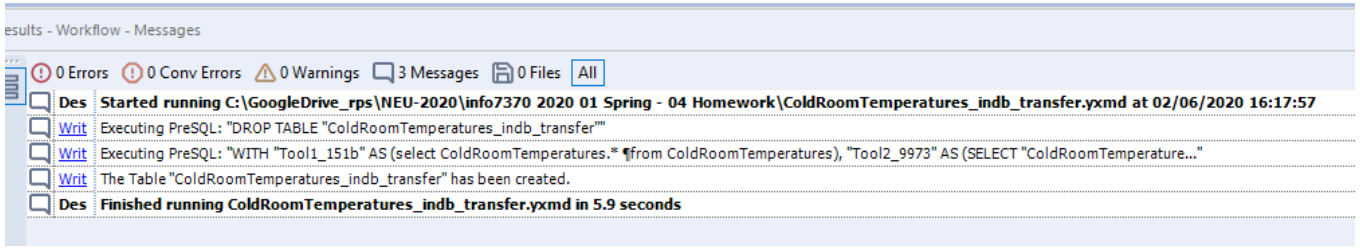
lts - Input Data (1) - Output

6 of 6 Fields | Cell Viewer | * 12,034 of 33,510,516 records displayed(partial results)

Record	ColdRoomTemperatureID	ColdRoomSensorNumber	RecordedWhen	Temperature	ValidFrom	ValidTo
1	17130153	1	2018-01-26 11:41:21	3.14	2018-01-26 11:41:21	2018-01-26 11:41:25
2	17130154	2	2018-01-26 11:41:21	3.91	2018-01-26 11:41:21	2018-01-26 11:41:25
3	17130155	3	2018-01-26 11:41:21	4.49	2018-01-26 11:41:21	2018-01-26 11:41:25
4	17130156	4	2018-01-26 11:41:21	3.81	2018-01-26 11:41:21	2018-01-26 11:41:25
5	17130157	1	2018-01-26 11:41:25	3.11	2018-01-26 11:41:25	2018-01-26 11:41:53
6	17130158	2	2018-01-26 11:41:25	3.90	2018-01-26 11:41:25	2018-01-26 11:41:53
7	17130159	3	2018-01-26 11:41:25	4.61	2018-01-26 11:41:25	2018-01-26 11:41:53
8	17130160	4	2018-01-26 11:41:25	4.60	2018-01-26 11:41:25	2018-01-26 11:41:53
9	17130161	1	2018-01-26 11:41:53	4.14	2018-01-26 11:41:53	2018-01-26 11:42:12
10	17130162	2	2018-01-26 11:41:53	3.78	2018-01-26 11:41:53	2018-01-26 11:42:12
11	17130163	3	2018-01-26 11:41:53	3.42	2018-01-26 11:41:53	2018-01-26 11:42:12
12	17130164	4	2018-01-26 11:41:53	3.63	2018-01-26 11:41:53	2018-01-26 11:42:12

ColdRoomTemperatures_indb_transfer.yxmd





Alteryx: customer_in_database.yxmd