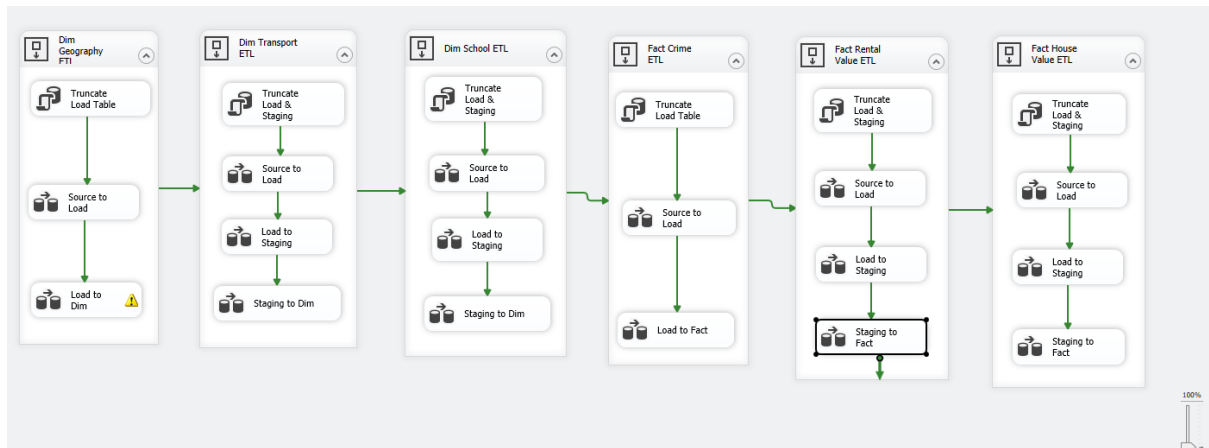
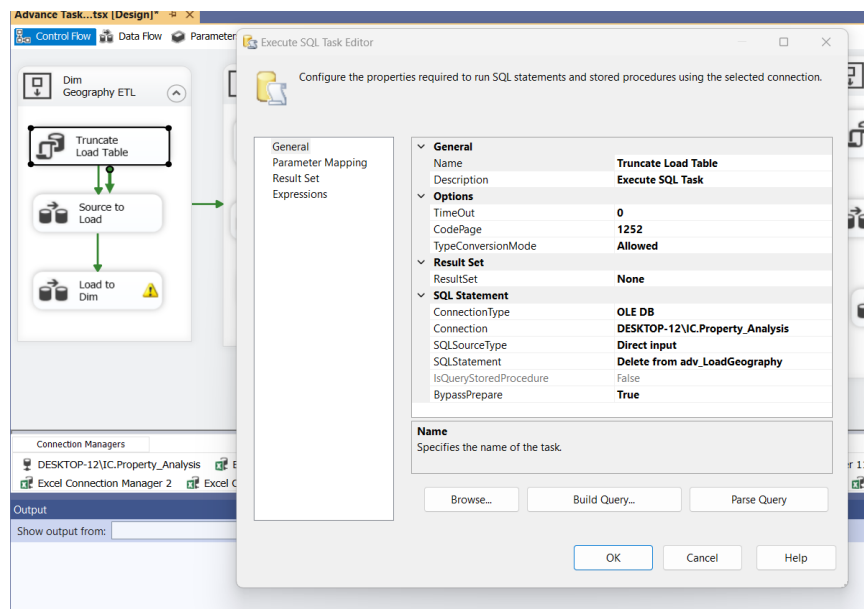


# Property Analysis Advanced Sprint Part 2



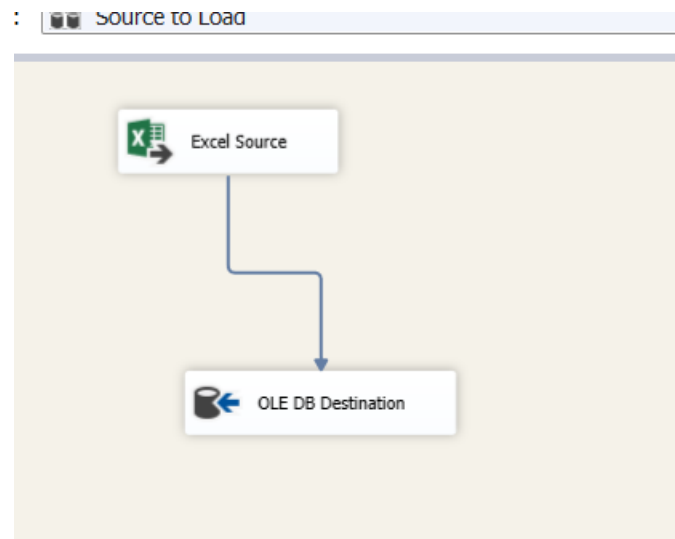
## 1. Dim Geography ETL

### ➤ Truncate Load Table

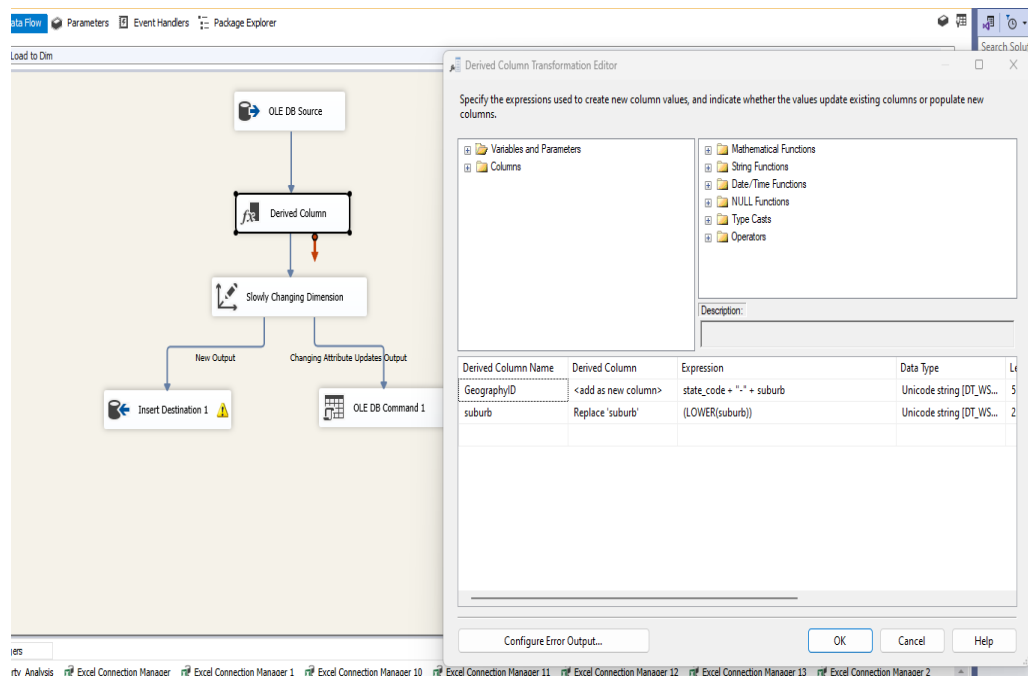


# Property Analysis Advanced Sprint Part 2

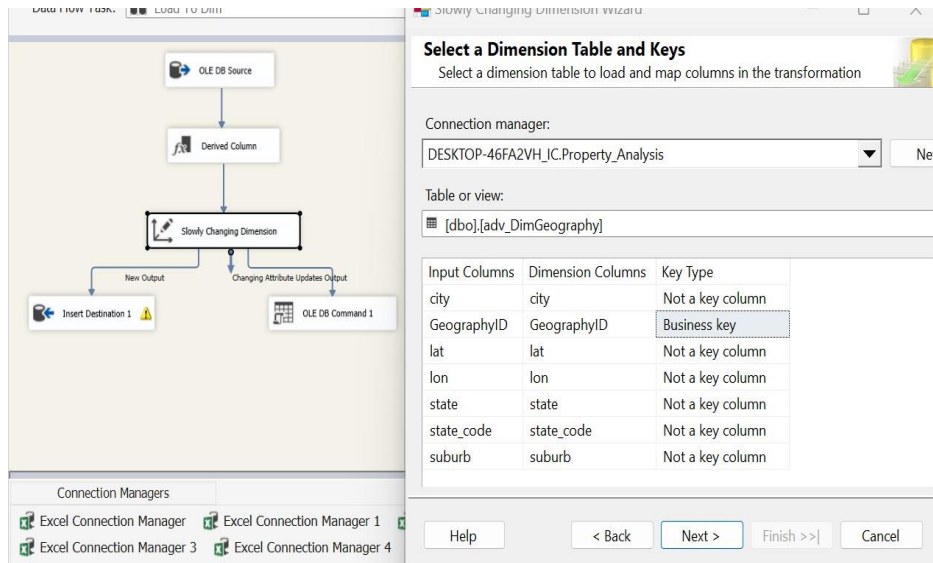
## ➤ Excel Source to adv\_LoadGeography



## ➤ adv\_LoadGeography to adv\_DimGeography

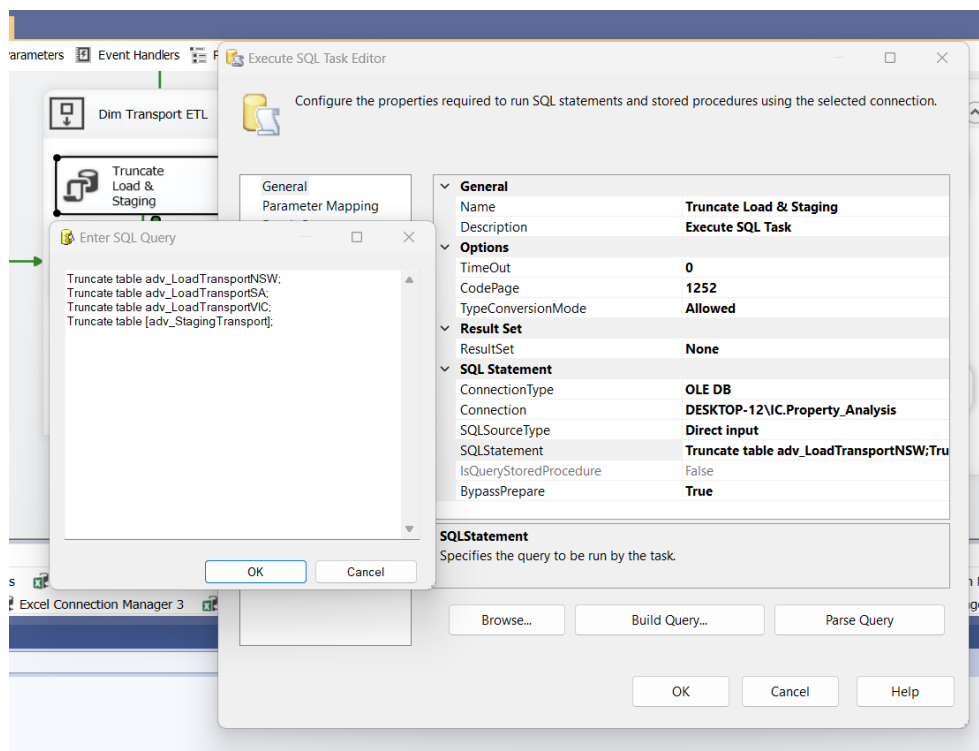


# Property Analysis Advanced Sprint Part 2



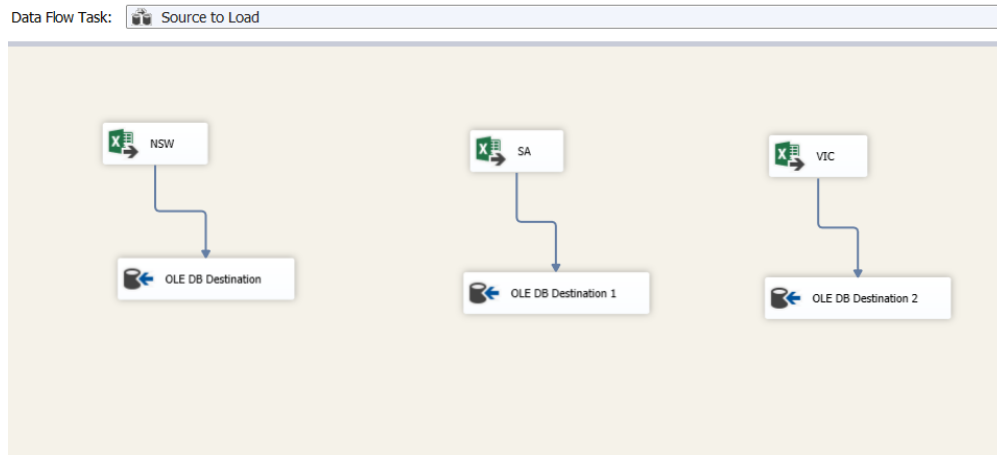
## 2. Dim Transport ETL

### ➤ Truncate Load and Staging Table



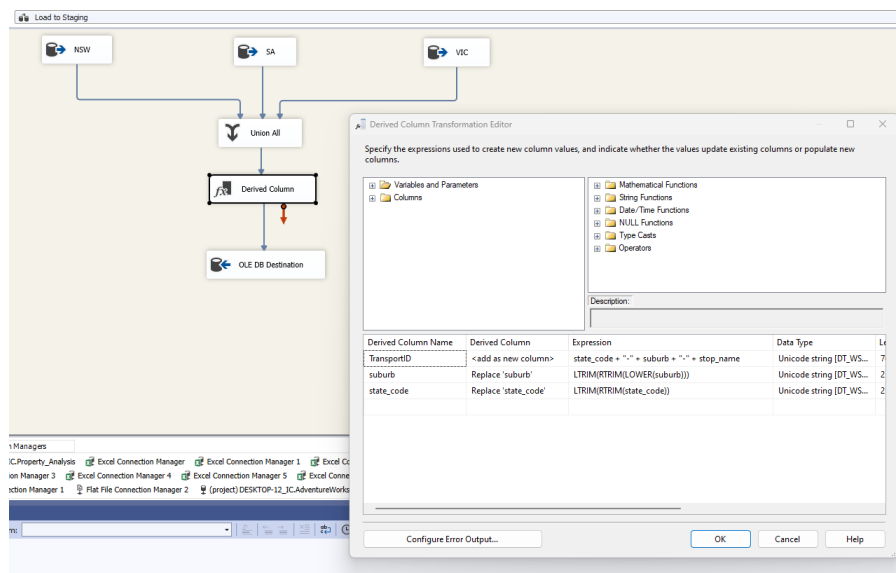
# Property Analysis Advanced Sprint Part 2

## ➤ Excel Source to adv\_LoadTransport



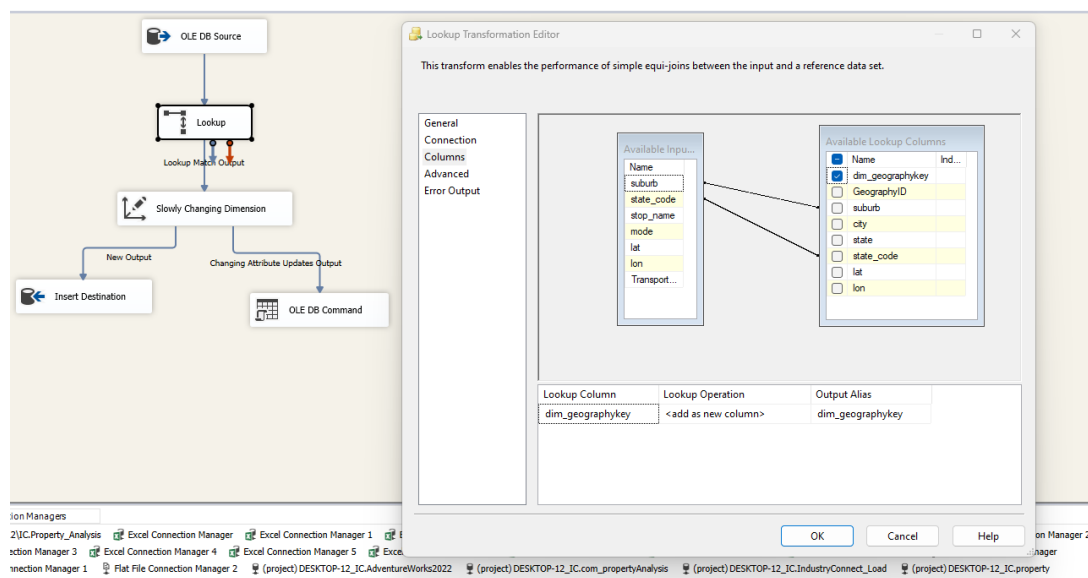
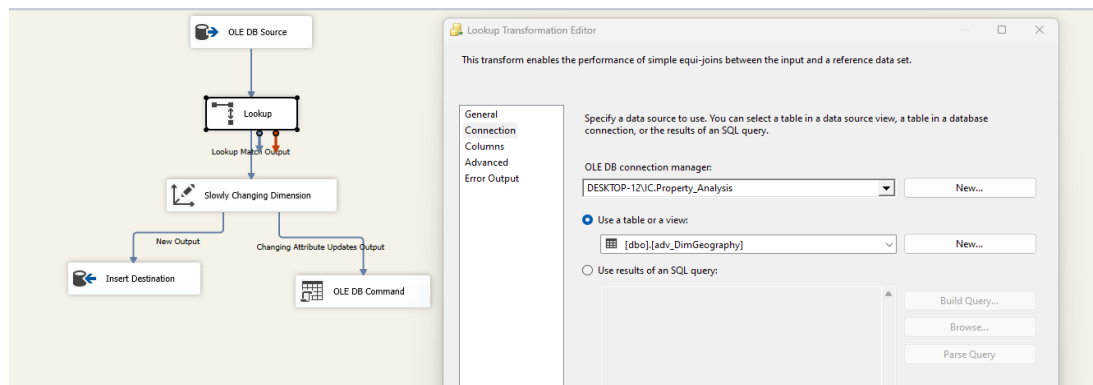
## ➤ adv\_LoadTransport to adv\_StagingTransport

- Creating adv\_StagingTransport by Combining all Load Table by using Union All

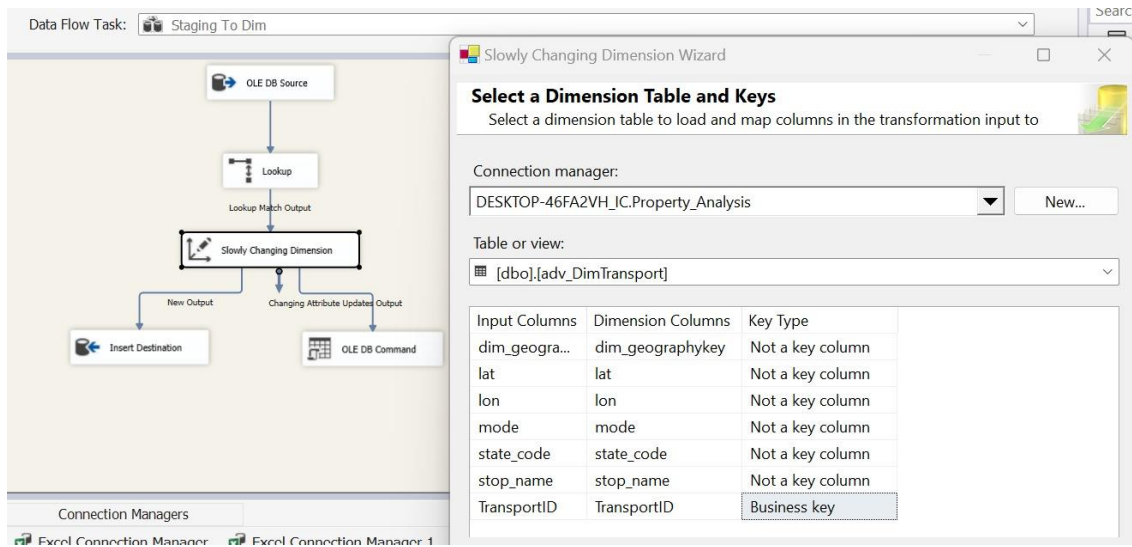


# Property Analysis Advanced Sprint Part 2

## ➤ adv\_StagingTransport to adv\_dimTransport

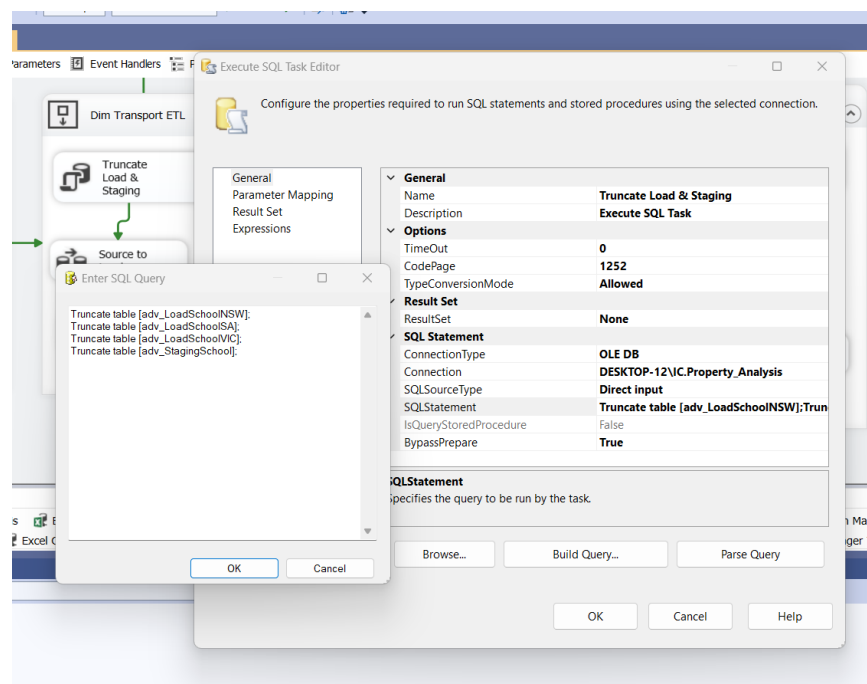


# Property Analysis Advanced Sprint Part 2



## 3.Dim School ETL

### ➤ Truncate Load and Staging Table



# Property Analysis Advanced Sprint Part 2

## ➤ Excel Source to adv\_LoadSchool



## ➤ adv\_LoadSchool to adv\_StagingSchool

- Creating adv\_StagingSchool by Combining all Load Table by using Union All

The diagram shows a data flow where three sources (NSW, SA, VIC) feed into a 'Union All' transformation, which then feeds into a 'Derived Column' transformation, finally leading to an 'OLE DB Destination'. Overlaid on this is the 'Derived Column Transformation Editor' window.

**Derived Column Transformation Editor**

Specify the expressions used to create new column values, and indicate whether the values update existing columns or populate new columns.

Left pane (Variables and Parameters):

- Variables and Parameters
- Columns

Right pane (Functions):

- Mathematical Functions
- String Functions
- Date/Time Functions
- NULL Functions
- Type Casts
- Operators

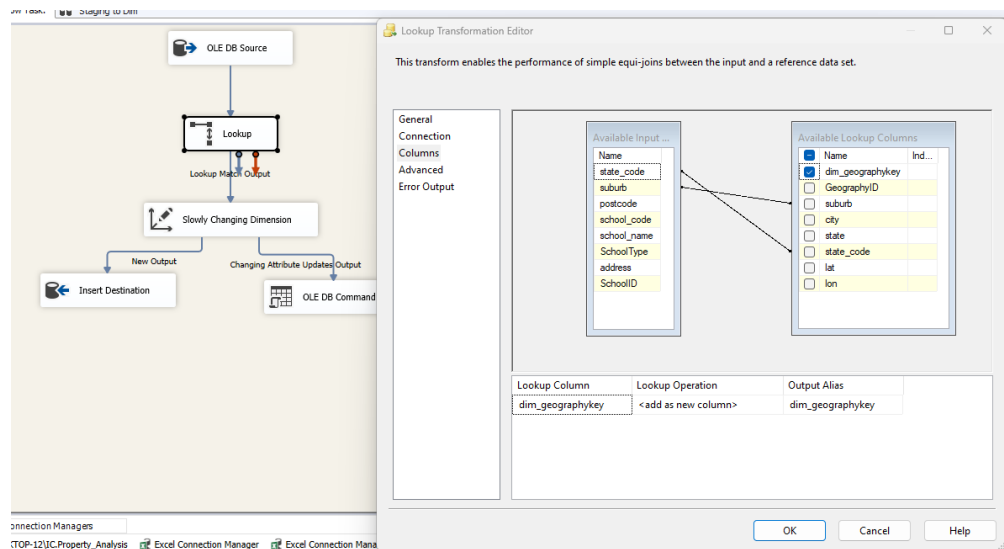
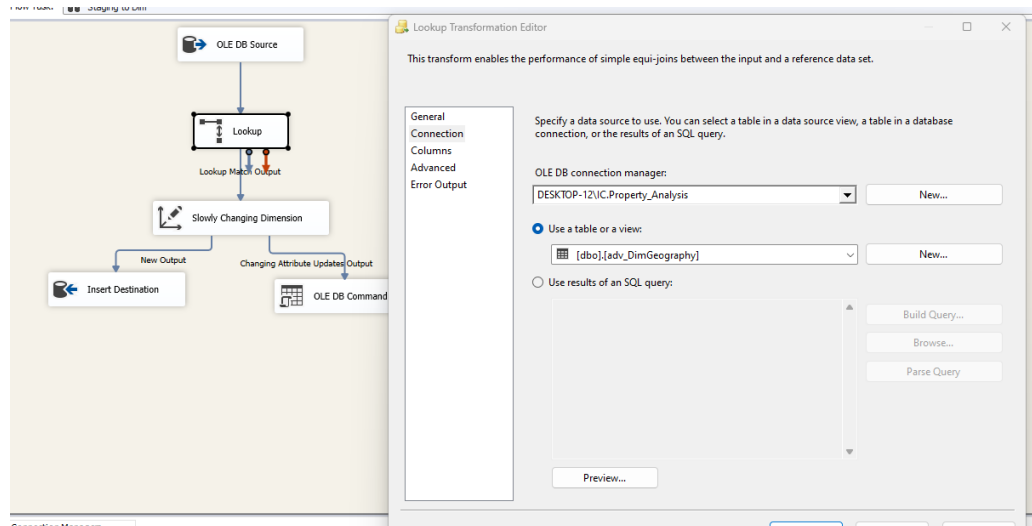
Description:

Derived Column Name	Derived Column	Expression	Data Type	Length
SchoolID	<add as new column>	(DT_WSTR,255)state_code + "-" + (DT_WSTR,255)school_code + "-" + school_name	Unicode string [DT_WS...	767
town_suburb	Replace 'town_suburb'	LTRIM(RTRIM(LOWER(town_suburb)))	Unicode string [DT_WS...	255

Buttons: OK, Cancel, Help

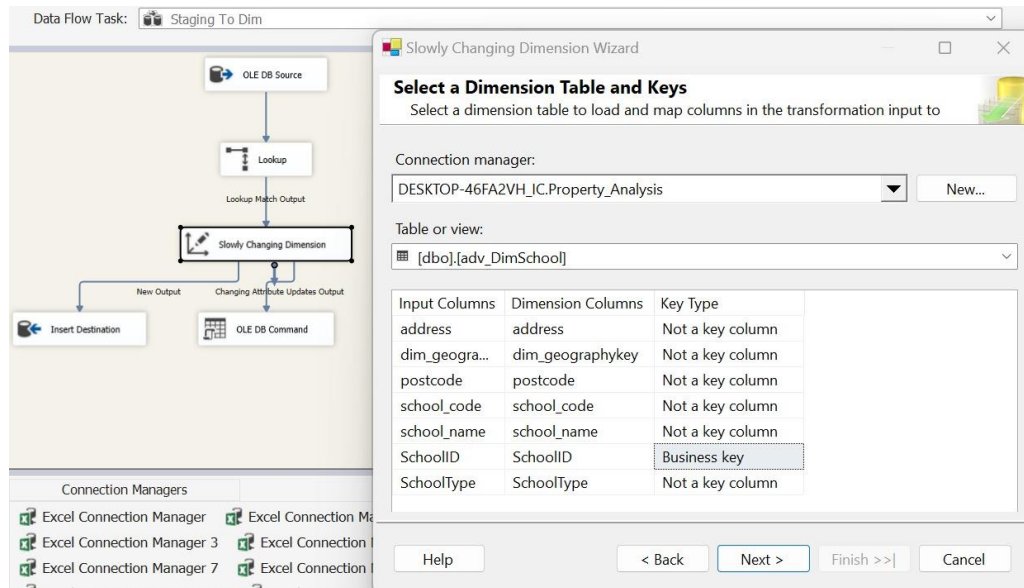
# Property Analysis Advanced Sprint Part 2

## ➤ adv\_StagingSchool to adv\_DimSchool



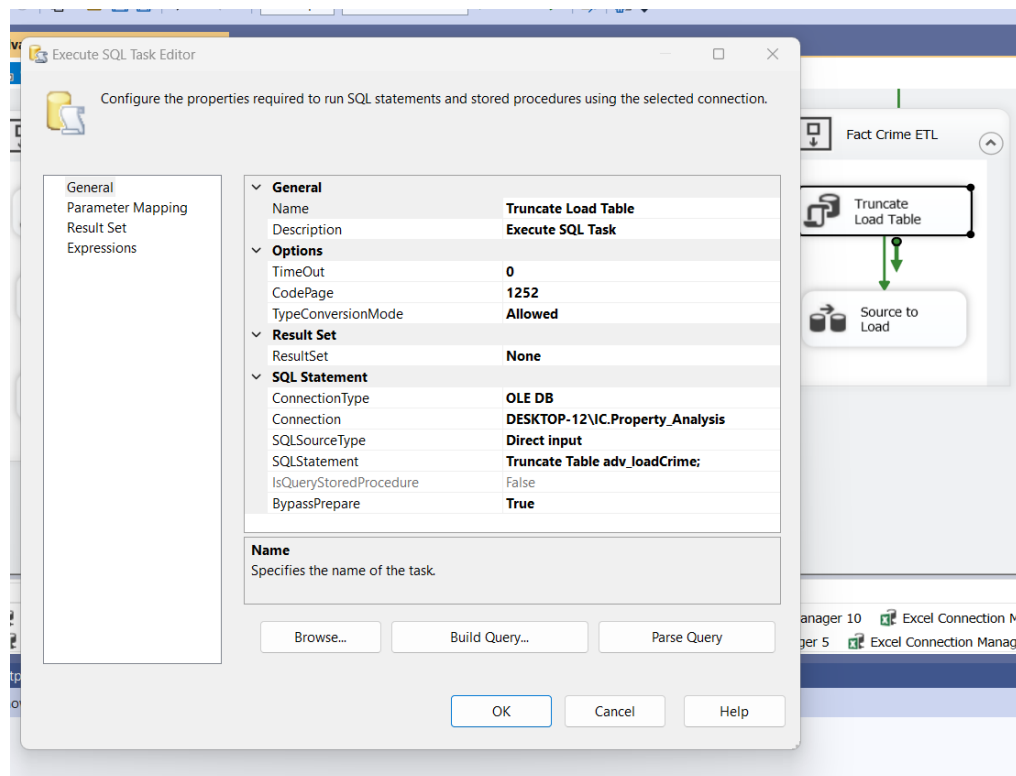


# Property Analysis Advanced Sprint Part 2



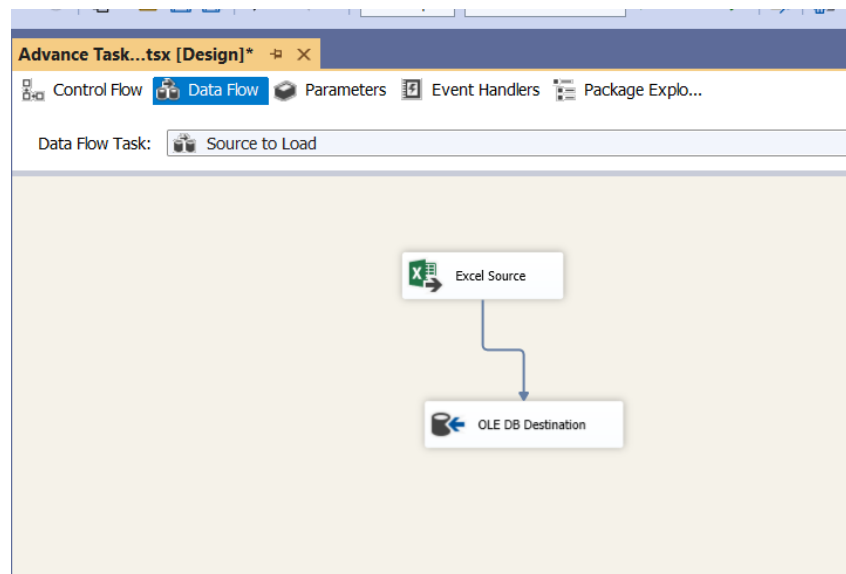
## 4. Fact Crime ETL

### ➤ Truncate Load Table

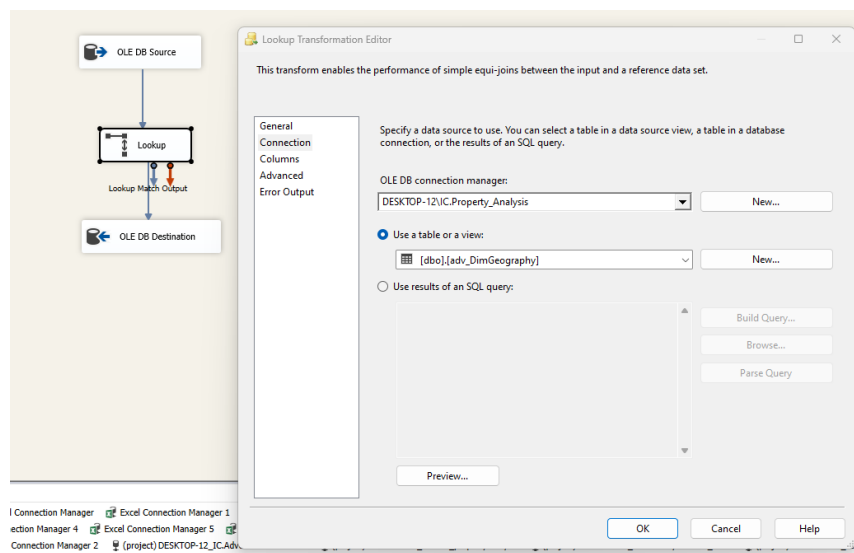


# Property Analysis Advanced Sprint Part 2

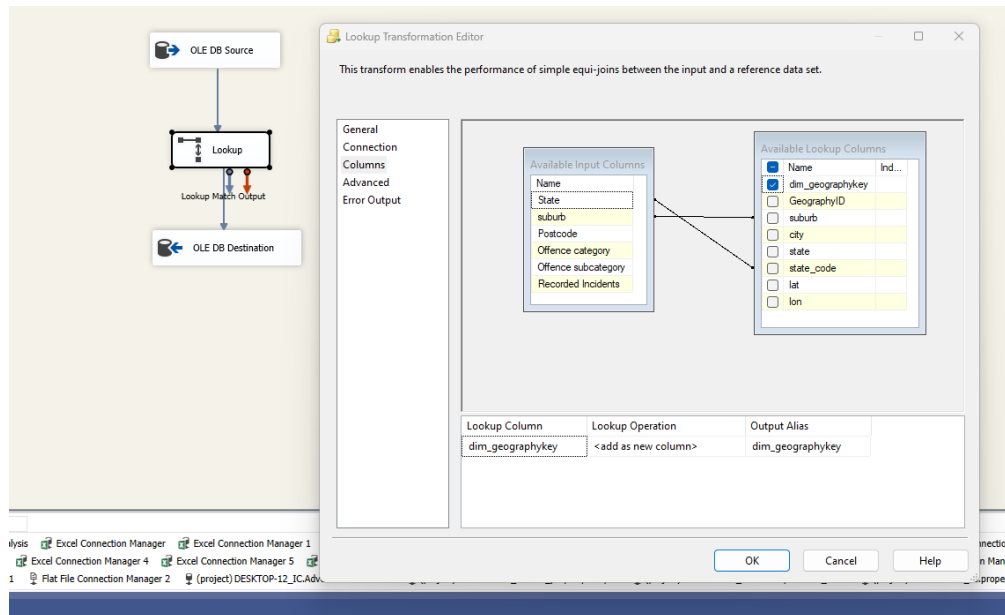
## ➤ Excel Source to adv\_LoadCrime



## ➤ adv\_LoadCrime to adv\_FactCrime

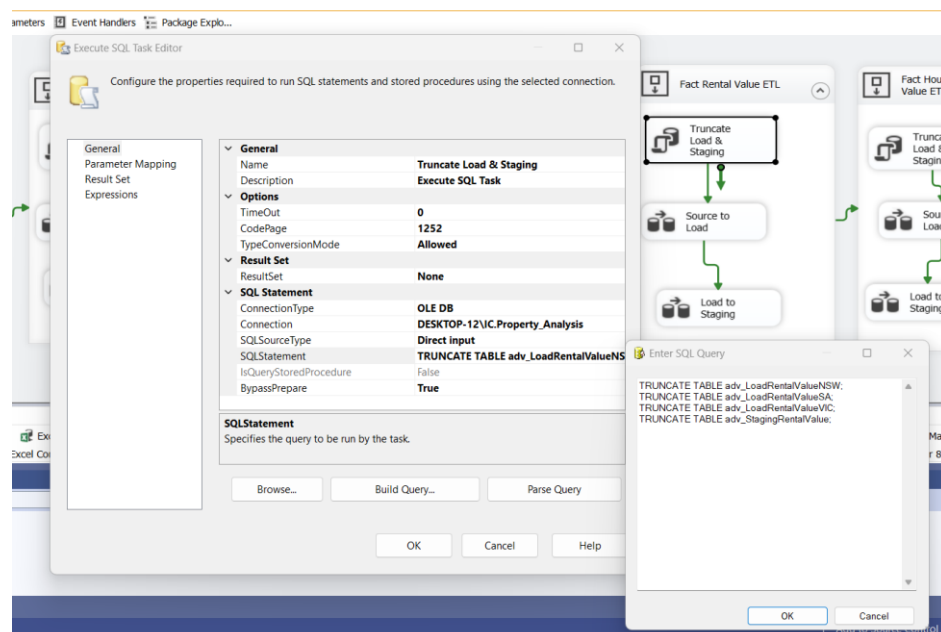


# Property Analysis Advanced Sprint Part 2



## 5.Fact Rental Value ETL

### ➤ Truncate Load and Staging Table



# Property Analysis Advanced Sprint Part 2

## ➤ Excel Source to adv\_LoadRentalValue



## ➤ adv\_LoadRentalValue to adv\_StagingRentalValue

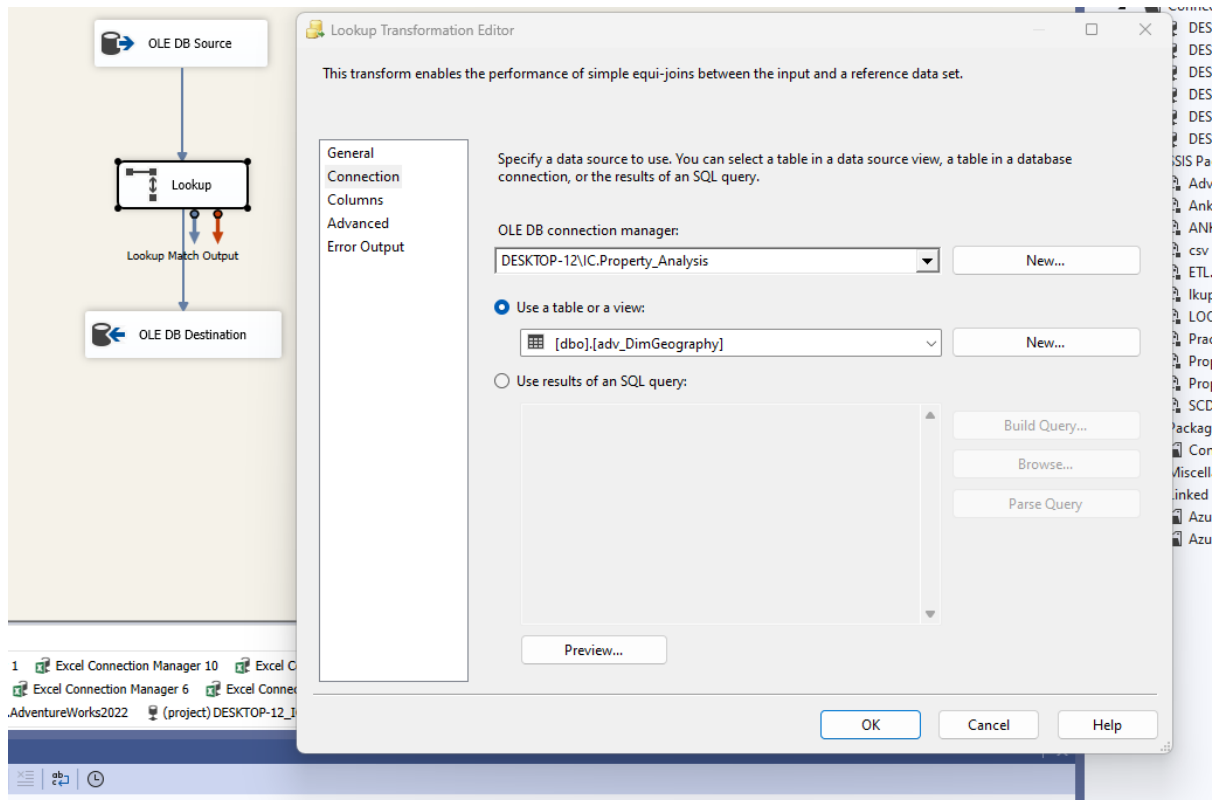
- Creating adv\_StagingRentalValue by Combining all Load Table by using Union All

The screenshot shows a data transformation workflow. At the top, three Excel sources labeled 'NSW', 'SA', and 'VIC' are connected by arrows to a 'Union All' transformation node. Below this node is a 'Derived Column' transformation node, which is then connected to an 'OLE DB Destination'. A 'Derived Column Transformation Editor' window is open in the foreground, displaying a list of functions on the right and a table of derived columns at the bottom.

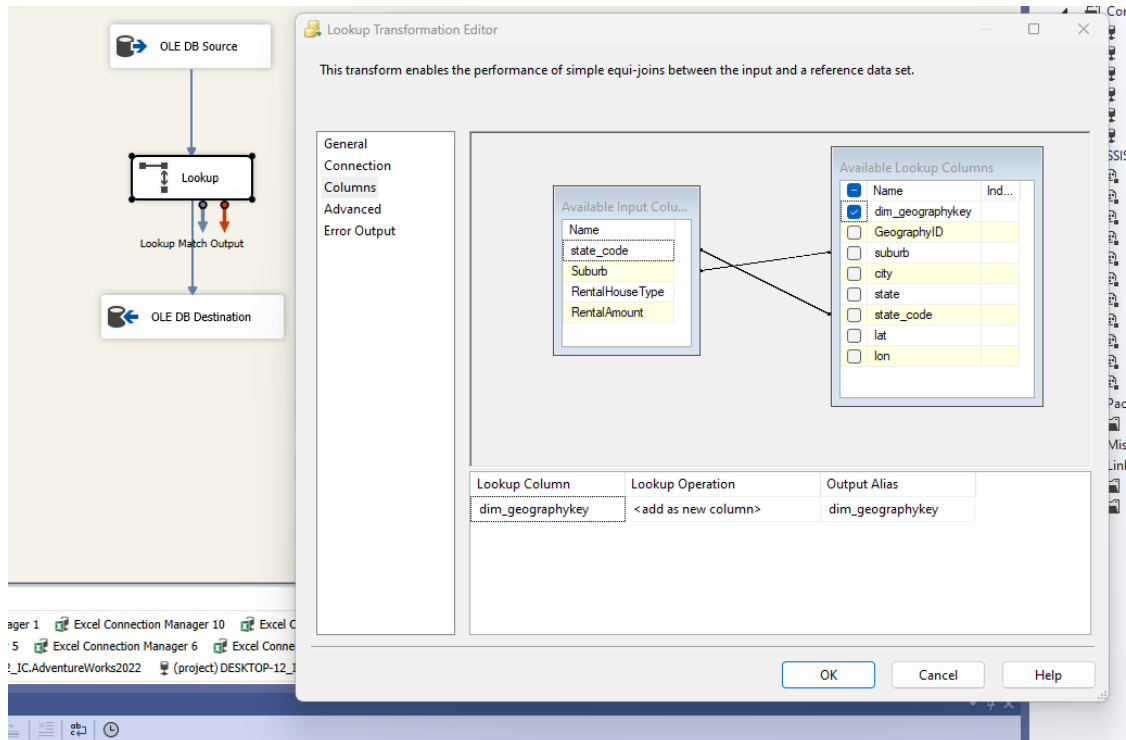
Derived Column Name	Derived Column	Expression	Data Type
state_code_suburb	<add as new column>	state_code + '-' + Suburb	Unicode string (DT_...)
state_code	Replace 'state_code'	TRIM(state_code)	Unicode string (DT_...)
Suburb	Replace 'Suburb'	(LOWER(TRIM(Suburb)))	Unicode string (DT_...)

# Property Analysis Advanced Sprint Part 2

## ➤ adv\_StagingRentalValue to adv\_FactRentalValue

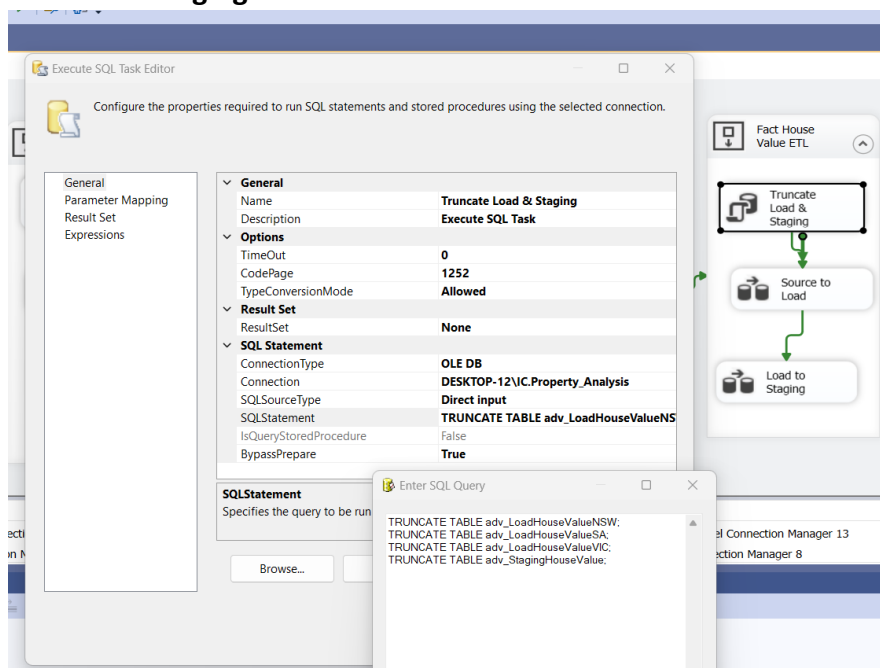


# Property Analysis Advanced Sprint Part 2



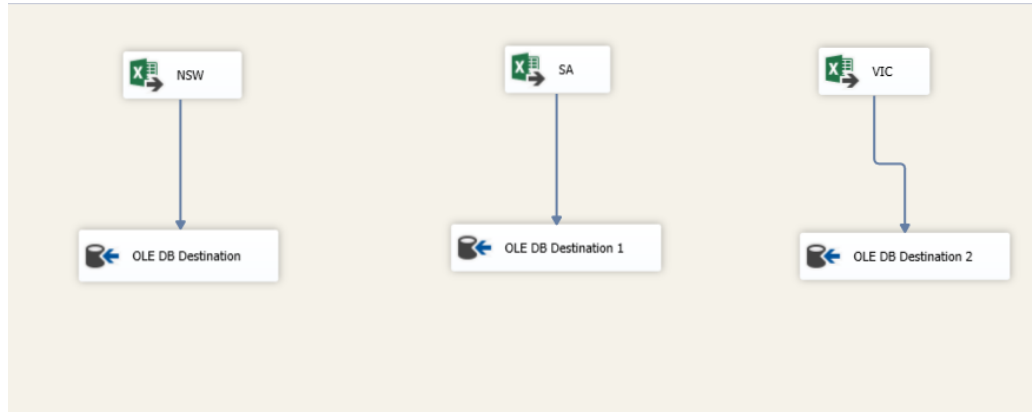
## 6.Fact House Value ETL

### ➤ Truncate Load and Staging Table



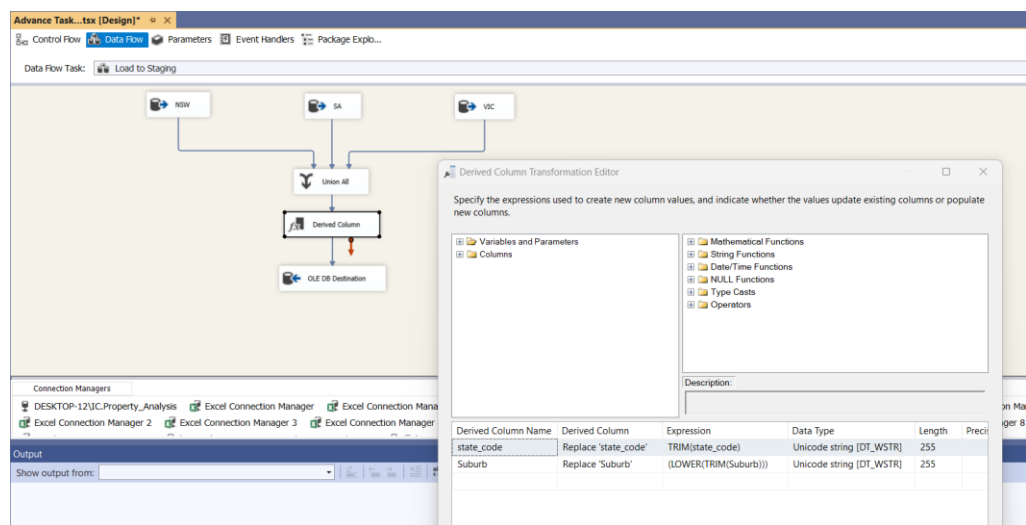
# Property Analysis Advanced Sprint Part 2

## ➤ Excel Source to adv\_LoadHouseValue



## ➤ adv\_LoadHouseValue to adv\_StagingHouseValue

- Creating adv\_StagingHouseValue by Combining all Load Table by using Union All



# Property Analysis Advanced Sprint Part 2

## ➤ adv\_StagingHouseValue to adv\_FactHouseValue

