

Here I used location dimension table as a case table (it has the location id, primary key) and crime fact table has location id as a foreign key.

The screenshot shows the SQL Server Data Mining (SSIS) interface. The main window displays the 'Mining Model Designer' for 'Dim Location.dmm'. The 'Rules' tab is selected, showing a list of rules with their importance and support. The 'Error List' at the bottom shows 11 warnings related to dimension hierarchies.

Pr...	Importance	Rule
0.917	0.600	10, 4 -> 1
0.917	0.625	10, 4 -> 7
0.917	0.590	10, 4 -> 3
0.889	0.622	10, 5 -> 7
0.838	0.545	11, 5 -> 3
0.786	0.578	10, 3 -> 7
0.778	0.533	10, 5 -> 3
0.760	0.528	11, 1 -> 3
0.742	0.555	10, 1 -> 7
0.741	0.589	10, 2 -> 1
0.741	0.539	10, 2 -> 3
0.723	0.573	10, 3 -> 1
0.714	0.574	10, 3 -> 1

Rules: 13

Error List: 11 Warnings

Code	Description	Project	File	Line	Suppression State
	Dimension [BEAT]: Define attribute relationships as 'Rigid' where appropriate.			0	
	Hierarchy [Location][Hierarchy]: Attribute relationships do not exist between one or more levels of this hierarchy. This may result in decreased query performance.			0	
	Dimension [ZONE]: Avoid visible attribute hierarchies for attributes used as levels in user-defined hierarchies.			0	
	Dimension [Date]: Avoid visible attribute hierarchies for attributes used as levels in user-defined hierarchies.			0	

The screenshot shows the SQL Server Data Mining (SSIS) interface. The main window displays the 'Mining Model Designer' for 'Dim Location.dmm'. The 'All Links' tab is selected, showing a network diagram with nodes 2, 3, and 11. Node 11 is highlighted as the strongest link, predicting both nodes 2 and 3.

Strongest Links:

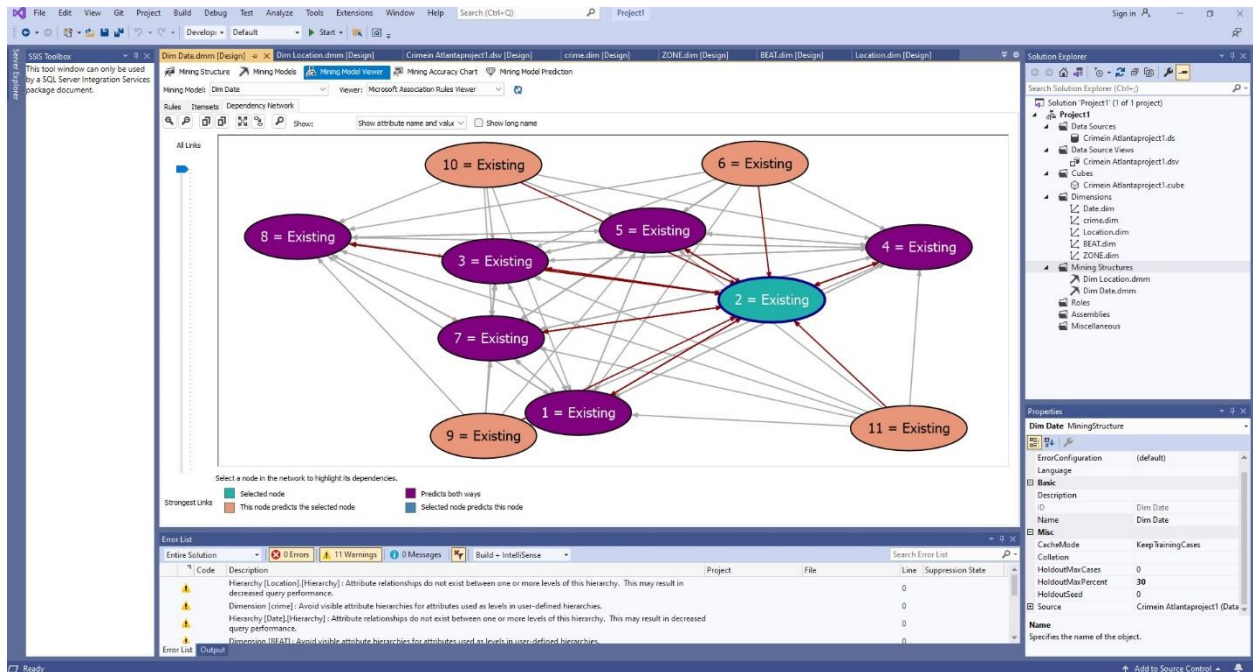
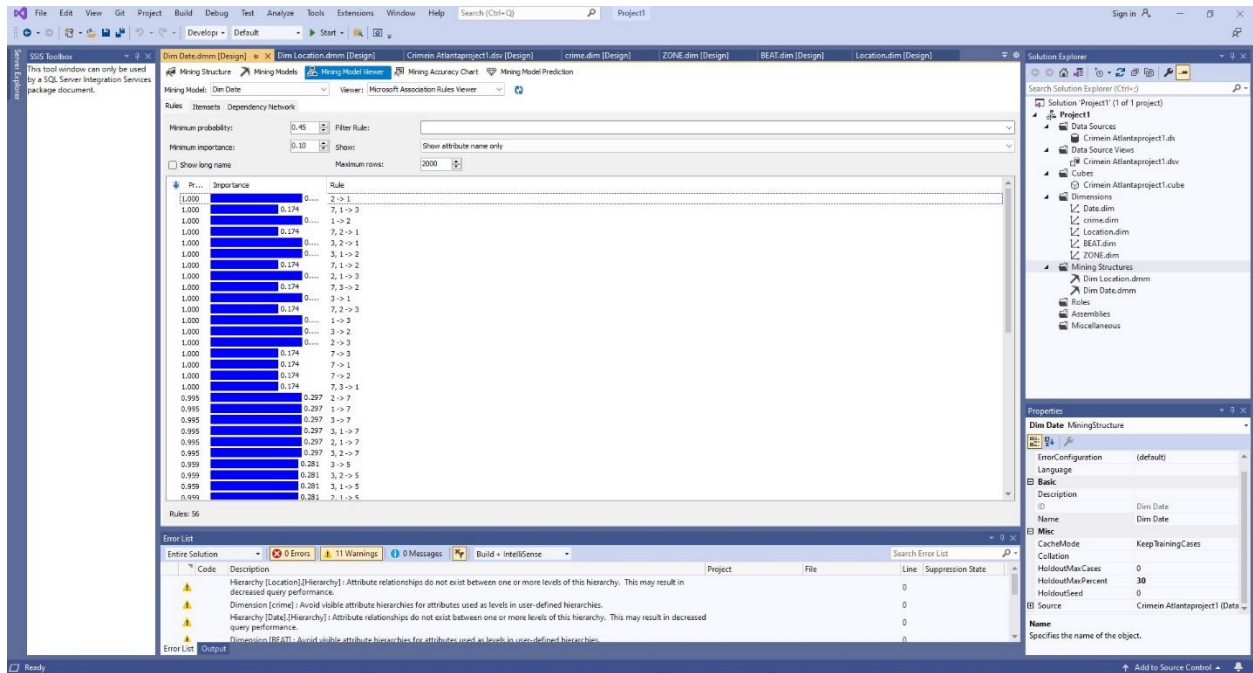
- Selected node
- Predicts both ways
- This node predicts the selected node
- Selected node predicts this node

Error List: 11 Warnings

Code	Description	Project	File	Line	Suppression State
	Hierarchy [Location][Hierarchy]: Attribute relationships do not exist between one or more levels of this hierarchy. This may result in decreased query performance.			0	
	Dimension [crime]: Avoid visible attribute hierarchies for attributes used as levels in user-defined hierarchies.			0	
	Hierarchy [Date][Hierarchy]: Attribute relationships do not exist between one or more levels of this hierarchy. This may result in decreased query performance.			0	
	Dimension [BEAT]: Avoid visible attribute hierarchies for attributes used as levels in user-defined hierarchies.			0	

Here both node 2 and 3 is predicted by node 11.

Here I used date dimension table as a case table (it has the date id, primary key) and crime fact table has date id as a foreign key.



Here node 2 is predicted by node 6,9,10 and 11 but the other nodes are used to predict node 2 and the other nodes also predicted by node 2