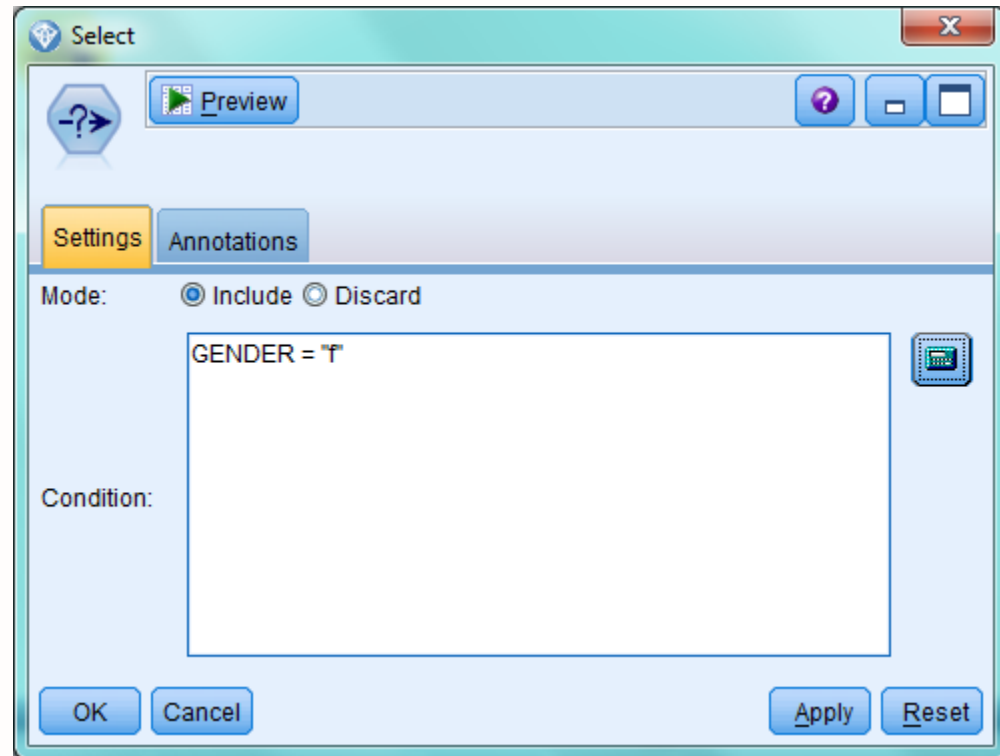


**Automatically generating a select
node in IBM SPSS Modeler**

The Select Node

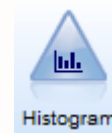
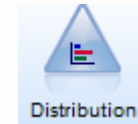
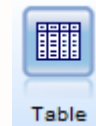


- You can use the select node to select or discard a subset of records from your stream using a particular condition
- E.g. Only selecting out Females
- This is done by specifying the relevant CLEM expression in the expression builder



Automatically generating a select node

- IBM SPSS Modeler allows you to select sections of output and then generate a Select node directly
- Allowing you to make quick selections without having to construct the CLEM expression



Example 1: Making selections from a Table

- Suppose you run out a table and you decide want to select Married Males who have a Mortgage?

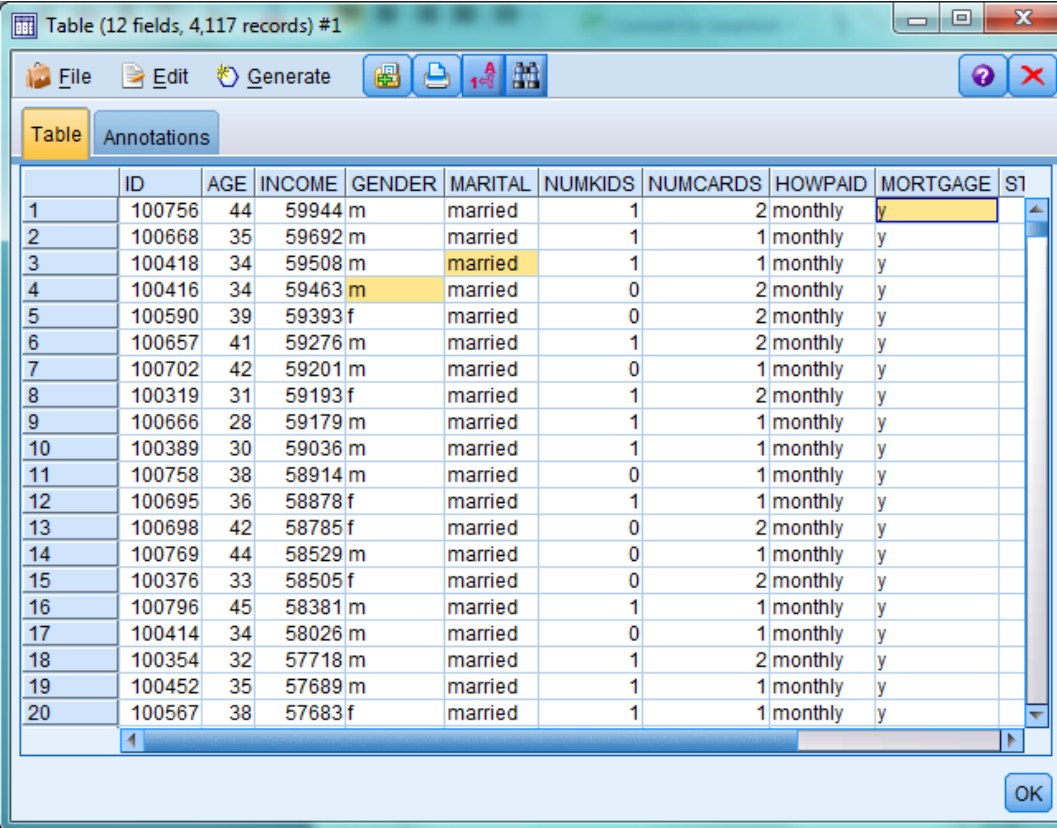
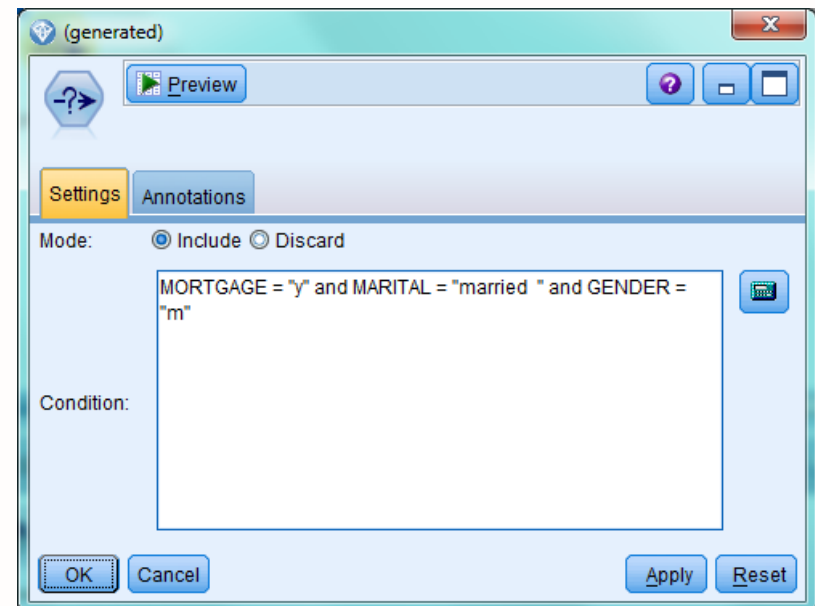
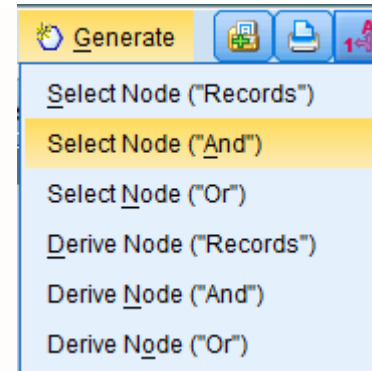


Table (12 fields, 4,117 records) #1

	ID	AGE	INCOME	GENDER	MARITAL	NUMKIDS	NUMCARDS	HOWPAID	MORTGAGE	ST
1	100756	44	59944	m	married	1	2	monthly	y	
2	100668	35	59692	m	married	1	1	monthly	y	
3	100418	34	59508	m	married	1	1	monthly	y	
4	100416	34	59463	m	married	0	2	monthly	y	
5	100590	39	59393	f	married	0	2	monthly	y	
6	100657	41	59276	m	married	1	2	monthly	y	
7	100702	42	59201	m	married	0	1	monthly	y	
8	100319	31	59193	f	married	1	2	monthly	y	
9	100666	28	59179	m	married	1	1	monthly	y	
10	100389	30	59036	m	married	1	1	monthly	y	
11	100758	38	58914	m	married	0	1	monthly	y	
12	100695	36	58878	f	married	1	1	monthly	y	
13	100698	42	58785	f	married	0	2	monthly	y	
14	100769	44	58529	m	married	0	1	monthly	y	
15	100376	33	58505	f	married	0	2	monthly	y	
16	100796	45	58381	m	married	1	1	monthly	y	
17	100414	34	58026	m	married	0	1	monthly	y	
18	100354	32	57718	m	married	1	2	monthly	y	
19	100452	35	57689	m	married	1	1	monthly	y	
20	100567	38	57683	f	married	1	1	monthly	y	

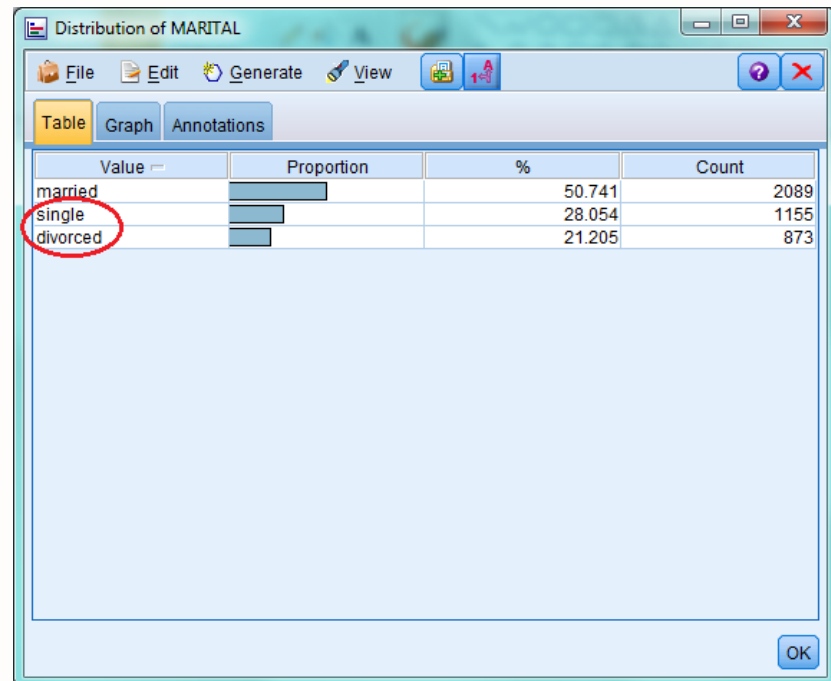
Example 1: Making selections from a Table

- This is easily done using the **Generate** menu item
- Different logical options available (records, and, or)
- A select node (named generated) will appear on the stream canvas
- This can then be connected to the relevant point in the stream



Example 2: Making selections from a distribution node

- You might look at the results of a distribution node and decide you want to select out a subset of the data based on this
- E.g. Single and Divorced individuals

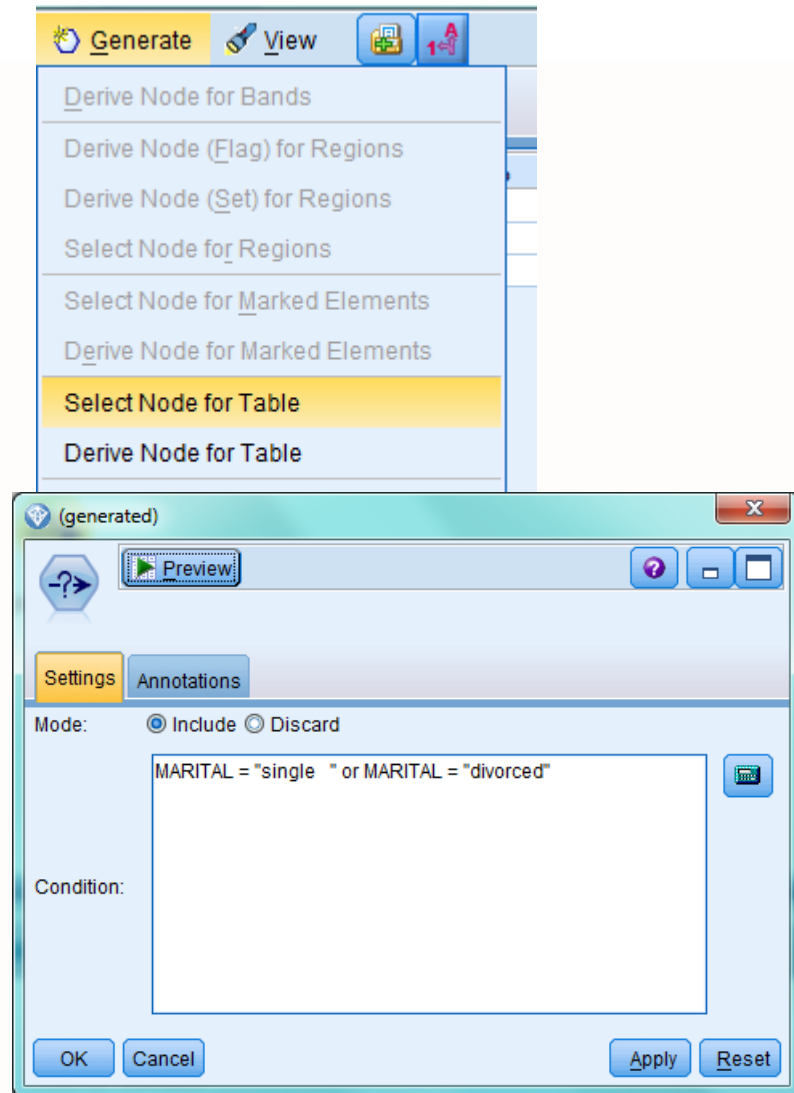


The screenshot shows a software window titled "Distribution of MARITAL". It has a menu bar with "File", "Edit", "Generate", and "View". Below the menu bar are three tabs: "Table", "Graph", and "Annotations". The "Table" tab is active, displaying a table with four columns: "Value", "Proportion", "%", and "Count". The table contains three rows of data: "married", "single", and "divorced". The "single" row is circled in red. The "Count" column shows values of 2089 for married, 1155 for single, and 873 for divorced. The percentage values are 50.741, 28.054, and 21.205 respectively. The "Proportion" column contains horizontal bars representing the relative size of each category. An "OK" button is located at the bottom right of the window.

Value	Proportion	%	Count
married		50.741	2089
single		28.054	1155
divorced		21.205	873

Example 2: Making selections from a distribution node

- This is easily done using the **Generate** menu item
- Select Node for Table
- The select node will contain the required CLEM expression



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