Syntax

```
makediagram using filename [, replace export(filename) graphtype(name) label(str) style(str) ]
```

options	Description
replace	replace the exported DOT file
graphtype(name)	specifies the type of the graph which can be digraph (default) or graph (i.e. undire
export(filename)	export the DOT diagram file.
label(str)	specifies the label of the graph
style(str)	appends a DOT style sheet to the DOT file

Description

makediagram generates a [DOT](#) file from a data set that can be rendered to a graphical file using diagram program within Stata. the data set should be prepared as explained in the next section.

Variable discription

The data set should have 5 variables named **cluster** (numeric), **from** (numeric or string), **to** (numeric or string), **label** (string), and **properties** (string). The numeric variables can have labels which also changes the labels in the DOT file.

cluster	from	to	label	properties
numeric	numeric	numeric	string	string
or	or	or		
string	string	string		

the **cluster**, **label**, and **properties** can be missing. however, the **from** and **to** variables specifies which nodes are connected to one another. in directed graphs, the direction is **"from"** towards **"to"**. However, in undirected graphs, this direction is of no significance and only shows a connection.

the **cluster** variable defines in which subgraph the connection takes place (see the examples)

the **from** and **to** variables specify the nodes where the connection begines and ends. the variables can be numeric, e.g. the nodes can be 1 -> 2 or strings such as A -> B or "Node A" -> "Node B". If the variables are numeric, their label is automatically used to alter the labels of the DOT graph (see the examples).

the **label** variable simply "labels the connection". this merely specifies the "label" or "value" for the arrow. the label of the connection can also be specified within the **properties** variable, but due to its common use and importance (*and to make life easier for those who don't wish to learn the DOT language*), it is made available as a separate variable. yet, adding **label="** *label* **"** in the **properties** variable can change the connection label.

Example(s)

```
explain what it does
        . example command

second explanation
        . example command
```

Acknowledgements

If you have thanks specific to this command, put them here.

Author

Author information here; nothing for official Stata commands leave 2 white spaces in the end of each line for line break. For example:

Your Name
Your affiliation
Your email address, etc.

References

E. F. Haghish (2014), MarkDoc: Literate Programming in Stata