Package 'DOT'

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Type Package	
Title Render and Export DOT Graphs in R	
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Description Renders DOT diagram markup language in R and also provides the possibility to export the graphs in PostScript and SVG (Scalable Vector Graphics) formats. In addition, it supports literate programming packages such as 'knitr' and 'rmarkdown'.	
Imports V8 (>= 1.0), tools	
Suggests knitr, rmarkdown	
NeedsCompilation no	
<pre>URL http://haghish.com/dot</pre>	
<pre>BugReports http://github.com/haghish/DOT</pre>	
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dot

Render and Export DOT Graphs in R

Description

Graph Description Language (DOT) is a simplified and intuitive plain text graphical language. The dot() function renders the DOT markup language in R and also provides the possibility to export the graphs in PostScript and SVG (Scalable Vector Graphics) formats. In addition, it supports literate programming packages such as Knitr and R2HTML. Visit http://haghish.com/dot for downloading examples of creating algorithms and several graphs for Rmarkdown and R HTML to generate dynamic procedural graphs in dynamic documents using the DOT package.

Usage

```
dot(DOT, file = NULL, return = "auto")
```

Arguments

DOT This argument takes a string containing the DOT script. It is advised to use

single quotation mark for the DOT string since the script often includes double

quotations which can crash the function.

file defines the file name for exporting the graph. The acceptable file extensions are

"ps" for PostScript and "svg" for SVG format (see examples below).

return specifies if PS or SVG script should be printed in R console. The accept-

able values are "auto", "cat", "verbatim", and NULL. The default value is "auto" which does not return anything unless the dot() function is called within 'knitr' or 'rmarkdown' packages, which require concatenated graphical script. The "cat" returns concatenated PS or SVG script, printed in multiple lines in the R console. The "verbatim" returns a single string which is

assignable to an object.

Value

By default, the function only renders and loads the DOT plot in RStudio but does not return any PS or SVG script. If the return argument is specified, it returns PostScript or SVG script. Note that for assigning the script returned from dot() to an object, only "verbatim" value can be used to create a string object.

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