

# Package ‘lavaanPlot’

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**Type** Package

**Title** Path Diagrams for Lavaan Models via DiagrammeR

**Version** 0.5.1

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**URL** <https://github.com/alishinski/lavaanPlot>

**Description** Plots path diagrams from models in lavaan using the plotting functionality from the DiagrammeR package. DiagrammeR provides nice path diagrams via Graphviz, and these functions make it easy to generate these diagrams from a lavaan path model without having to write the DOT language graph specification.

**License** GPL (>= 2)

**Encoding** UTF-8

**LazyData** true

**Imports** lavaan, DiagrammeR, stringr

**RoxygenNote** 5.0.1

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

**Repository** CRAN

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buildCall	<i>Builds the Diagrammer function call.</i>
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### Description

Builds the Diagrammer function call.

### Usage

```
buildCall(name = name, model = model, labels = labels,
  graph_options = list(overlap = "true", fontsize = "10"),
  node_options = list(shape = "box"), edge_options = list(color = "black"),
  ...)
```

### Arguments

name	A string of the name of the plot.
model	A model fit object of class lavaan.
labels	An optional named list of variable labels fit object of class lavaan.
graph_options	A named list of graph options for Diagrammer syntax.
node_options	A named list of node options for Diagrammer syntax.
edge_options	A named list of edge options for Diagrammer syntax.
...	additional arguments to be passed to buildPaths

### Value

A string specifying the path diagram for model

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buildLabels	<i>Adds variable labels to the Diagrammer plot function call.</i>
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### Description

Adds variable labels to the Diagrammer plot function call.

### Usage

```
buildLabels(label_list)
```

### Arguments

label_list	A named list of variable labels.
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buildPaths	<i>Extracts the paths from the lavaan model.</i>
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**Description**

Extracts the paths from the lavaan model.

**Usage**

```
buildPaths(fit, coefs = FALSE, sig = 1, stand = FALSE, covs = FALSE,
           stars = NULL)
```

**Arguments**

fit	A model fit object of class lavaan.
coefs	whether or not to include significant path coefficient values in diagram
sig	significance level for determining what significant paths are
stand	Should the coefficients being used be standardized coefficients
covs	Should model covariances be included in the diagram
stars	a character vector indicating which parameters should include significance stars be included for regression paths, latent paths, or covariances. Include which of the 3 you want ("regress", "latent", "covs"), default is none.

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getNode	<i>Extracts the paths from the lavaan model.</i>
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**Description**

Extracts the paths from the lavaan model.

**Usage**

```
getNode(fit)
```

**Arguments**

fit	A model fit object of class lavaan.
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lavaanPlot	<i>Plots lavaan path model with DiagrammeR</i>
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**Description**

Plots lavaan path model with DiagrammeR

**Usage**

```
lavaanPlot(name = "plot", model, labels = NULL, ...)
```

**Arguments**

name	A string of the name of the plot.
model	A model fit object of class lavaan.
labels	An optional named list of variable labels.
...	Additional arguments to be called to buildCall and buildPaths

**Value**

A Diagrammer plot of the path diagram for model

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sig_stars	<i>Generates standard significance stars</i>
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**Description**

Generates standard significance stars

**Usage**

```
sig_stars(pvals)
```

**Arguments**

pvals	a vector of p values
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