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
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buildCall

*Builds the Diagrammer function call.*

### Description

Builds the Diagrammer function call.

### Usage

```r
buildCall(name = nameL, model = modelL, labels = labelsL,
          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`

---

buildLabels

*Adds variable labels to the Diagrammer plot function call.*

### Description

Adds variable labels to the Diagrammer plot function call.

### Usage

```r
buildLabels(label_list)
```

### Arguments

- **label_list**
  - A named list of variable labels.
buildPaths

Extracts the paths from the lavaan model.

Description

Extracts the paths from the lavaan model.

Usage

buildPaths(fitL coefs = falseL sig = 1L, stand = falseL, covs = falseL, 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.

getNodes

Extracts the paths from the lavaan model.

description

Extracts the paths from the lavaan model.

Usage

getNodes(fit)

Arguments

fit A model fit object of class lavaan.
lavaanPlot  
*Plots lavaan path model with DiagrammeR*

**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`

---

sig_stars  
*Generates standard significance stars*

**Description**
Generates standard significance stars

**Usage**
```
sig_stars(pvals)
```

**Arguments**
- `pvals`: a vector of p values
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