

Inheritance Diagram Example (Temp)

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Abstract

This vignette, is temporary.

Example

In the umlr package, a uml model is treated similar to a directed graph. We create some nodes (representing classes etc), then some connections (I guess edges, however I just like the word connection) between pairs of nodes. Potentially, we group a set of connections, to produce composite arrows. Then create a graph, and then a top level model which contains the graph along with some other information.

```
> library (umlr)

> v0 = umlclass ("mysuperclass", y=-4)
> v1 = umlclass ("mysubclass1", c ("x", "y"), x=-4)
> v2 = umlclass ("mysubclass2", c ("u", "v"), "f", x=4)

> con1 = umlextends (v1, v0)
> con2 = umlextends (v2, v0)
> umlmerge (con1, con2)

> g = umlgraph (list (v0, v1, v2), list (con1, con2) )
> m = uml (g)
```

Won't work within Sweave. The function umlgui creates a GUI. The function umlpdf creates it's own graphics device.

```
> umlgui (m)
> umlpdf (m)
```

There's a bug, resulting from Sweave changing the graphics settings, that makes it a different size than it should be, hopefully fix next version...

Also note, there may be further distortion, if your pdf viewer, isn't displaying the document in it's actual size (not a problem, just something to be aware of).

