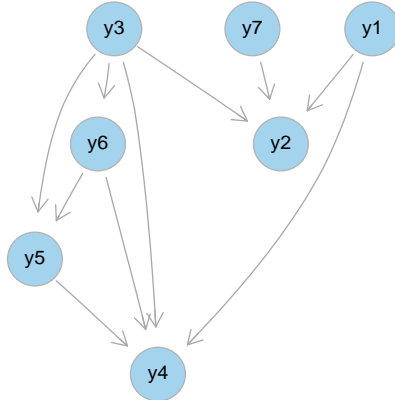


Graph + data

## Predictive SEM training

Nodewise Machine Learning (ML) SEMml ( )



NODE	Y	X
4	$y_4$	$y_1 + y_3 + y_5 + y_6$
3	$y_5$	$y_3 + y_6$
2	$y_2$	$y_1 + y_3 + y_7$
1	$y_6$	$y_3$

Layer-wise Deep Learning (DL) SEMdnn ( )

[L3] "y2" "y4"

[L2] "y5"

[L1] "y6"

[L0] "y1" "y3" "y7"

LAYER	Y	X
3	$y_2 + y_4$	$y_1 + y_3 + y_5 + y_6 + y_7$
2	$y_5$	$y_1 + y_3 + y_6 + y_7$
1	$y_6$	$y_1 + y_3 + y_7$

## Predictive SEM performance

```
predict.ML()  
predict.DNN()  
predict.SEM()  
classificationReport()  
crossValidation()
```



## Predictive SEM importance

```
getConnectionWeight()  
getGradientWeight()  
getSignificanceTest()  
getVariableImportance()  
getShapleyR2()
```