Examining nested subsets with vtree: *cheat sheet*
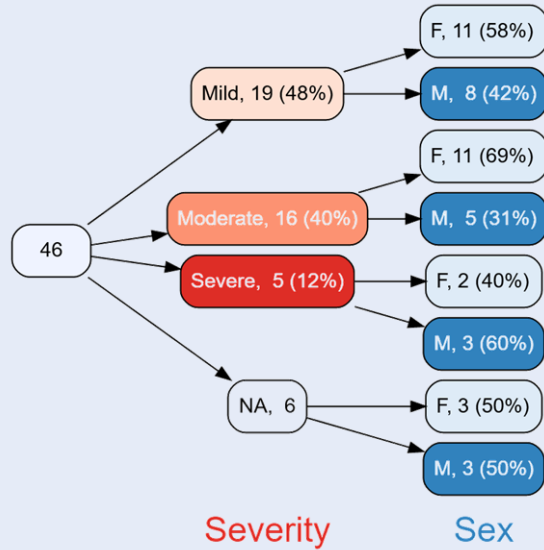
```
vtree(FakeData,"Severity Sex",sameline=T)
```


Summaries

Type	Parameter setting
Simple	summary="variable"
Custom	summary="variable format"

Code	Produces
%mean%	mean
%SD%	standard deviation
%sum%	sum
%range%	range
%median%	median
%IQR%	inter-quartile range
%freqpct%	frequency and %
%freq%	just frequency
%npct%	frequency and %
%pct%	%
%list%	list values
%trunc=n%	truncation at *n* characters

Control code	summary restricted to:
%noroot%	all nodes except the root
%leafonly%	leaf nodes
%var=v%	nodes of variable *v*
%node=n%	nodes named *n*

Image settings

Parameter setting	Effect
imagewidth="3in"	3 inches wide
imageheight="4in"	4 inches tall
pxwidth=800	800 pixels wide
pxheight=2000	200 pixels high

Frequencies and percentages

Parameter setting	Effect
vp=FALSE	Full denominator
showpct=FALSE	Do not show %
showcount=FALSE	Do not show counts

Variable specification

Suffix	Effect
#	Variable names ending in numeric digits
*	Variable names ending in any character
@	REDCap checklist variable names

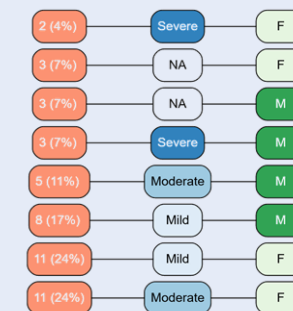| Prefix	Effect
is.na:	Missing value?
r:	REDCap checklist variable
i:	Intersection of group of variables
any:	Are any of a group of variables affirmative?
all:	Are all of a group of variables affirmative?

Text

Parameter setting	Effect
text=list(Category=c(triple="*"))	Add * to all nodes of this type
ttext=list(c(Group="A", Category="triple",text="*"))	Add * to a specific node
splitwidth=50	Split text in nodes after 50 chars
vsplitwidth=5	Split text in var names after 5 chars

Formatting	
\n line break, *italics*, **bold**	
just="l", "c", "r" for left, center, right justification	

Pattern trees and tables

```
vtree(FakeData,"Severity Sex",
      pattern=T,varnamebold=T)
```
```
vtree(FakeData,"Severity Sex",
      ptable=T)
```



```
 n  pct Severity Sex
 2   4   Severe    F
 3   7    <NA>     F
 3   7    <NA>     M
 3   7   Severe    M
 5  11  Moderate   M
 8  17    Mild     M
11  24    Mild     F
11  24  Moderate   F
```

Pruning

Parameter	Effect
prune	Remove identified nodes and their descendants.
keep	*Only* retain identified nodes and their descendants.
prunebelow	Remove descendants of identified nodes.
follow	*Only* retain descendants of identified nodes.

Example: `prune=list(Severity=c("Moderate","Severe"))`

Labels

Parameter setting	
labelvar=c(variable="label")	Assign label to variable
labelnode= list(variable=c(New="Old"))	In variable, replace Old with New
tlabelnode=list(c(Group="A", Sex="F",label="girl"))	Change the label of a specific node
varnamepointsize=30	Set font size for variable names
shownodelabels=FALSE	Do not show node labels
showvarnames=FALSE	Do not show variable names
showlegend=TRUE	Show a legend
title="All businesses"	Show a title for the root node

Shiny

Calling `svtree` opens a Shiny app with mouse-controlled pan and zoom