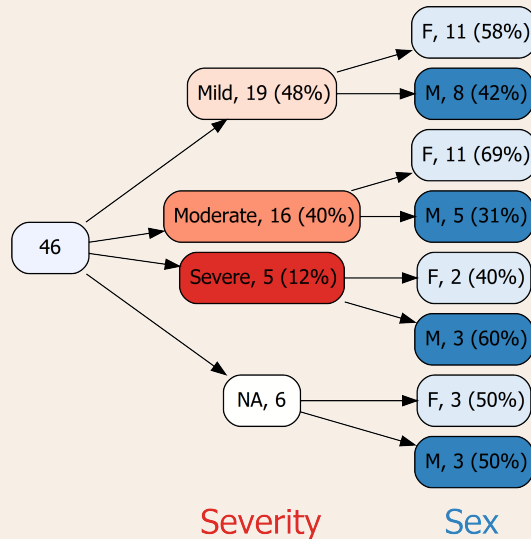


Examining nested subsets with vtree: *cheat sheet*

```
vtree(FakeData, "Severity Sex", sameline=T)
```



Severity Sex

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

Summaries

Type	Parameter setting
Simple	<code>summary="variable"</code>
Custom	<code>summary="variable format"</code>

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

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

Image settings

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

Frequencies and percentages

Parameter setting	Effect
<code>vp=FALSE</code>	Full denominator
<code>showpct=FALSE</code>	Do not show %
<code>showcount=FALSE</code>	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
<code>is.na:</code>	Missing value?
<code>r:</code>	REDCap checklist variable
<code>i:</code>	Intersection of group of variables
<code>any:</code>	Are any of a group of variables affirmative?
<code>all:</code>	Are all of a group of variables affirmative?

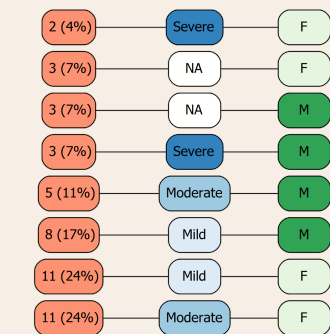
Text

Parameter setting	Effect
<code>text=list(Category=c(triple="**"))</code>	Add * to all nodes of this type
<code>ttext=list(c(Group="A", Category="triple", text="**"))</code>	Add * to a specific node

Formatting	Effect
<code>\n</code>	line break
<code>*italics*</code>	italics
<code>**bold**</code>	bold
<code>%%red ...%</code>	red text

Pattern trees and tables

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



pattern Severity Sex

```
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

Splitting text across lines

Parameter setting	Effect
<code>splitwidth=50</code>	Split text in nodes after 50 characters
<code>vsplitwidth=5</code>	Split text in variable names after 5 characters