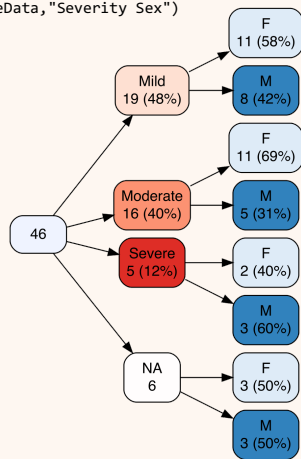


vtree cheatsheet

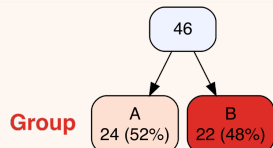
Basics

```
vtree(FakeData,"Severity Sex")
```



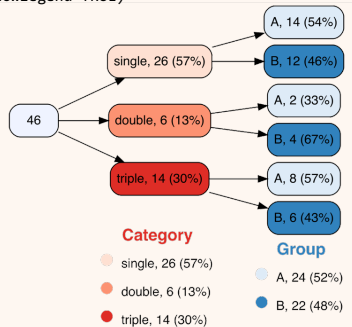
Severity Sex

```
vtree(FakeData,"Group",horiz=FALSE)
```



Group

```
vtree(FakeData,"Category Group",sameline=TRUE,showlegend=TRUE)
```



Category Group

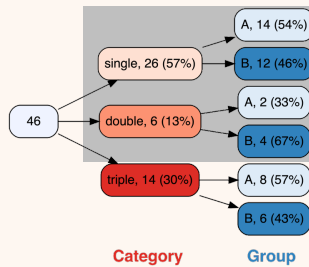
single, 26 (57%) A, 14 (54%)
double, 6 (13%) B, 12 (46%)
triple, 14 (30%) A, 2 (33%)
B, 4 (67%)
A, 8 (57%)
B, 6 (43%)

Variable specification

Modifier	Effect
prefix is.na:	is.na(variable)
prefix stem:	all REDCap variables with stem
prefix tri:	trichotomize in each node
variable=x	dichotomize at x
variable<x	dichotomize below x
variable>x	dichotomize above x

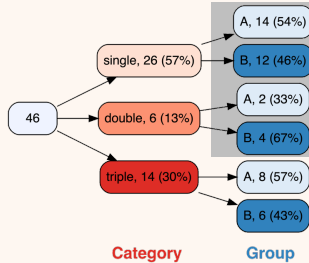
Pruning

```
vtree(FakeData,"Category Group",sameline=TRUE,prune=list(Category=c("single","double")))
```



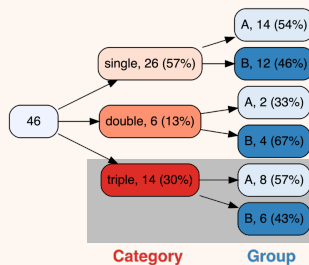
Category Group

```
vtree(FakeData,"Category Group",sameline=TRUE,prunebelow=list(Category=c("single","double")))
```



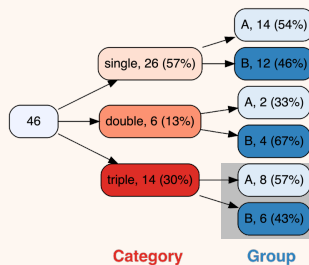
Category Group

```
vtree(FakeData,"Category Group",sameline=TRUE,keep=list(Category=c("single","double")))
```



Category Group

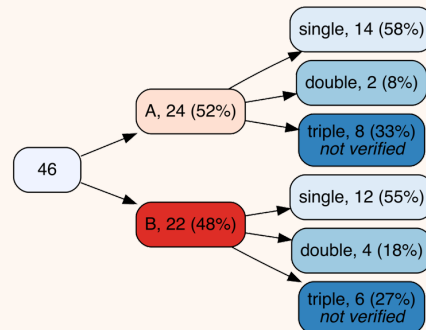
```
vtree(FakeData,"Category Group",sameline=TRUE,follow=list(Category=c("single","double")))
```



Category Group

Text

```
vtree(FakeData,"Group Category",sameline=TRUE, text=list(Category=c(triple="\n*not verified*")))
```



Group Category

Code	Meaning
\n	Line break
...	Italics
...	Bold
^...^	Superscript
~...~	Subscript
%%red ...%	Make text red (or another color)

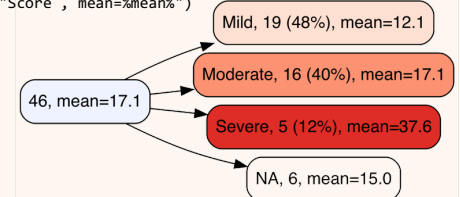
```
Text in a specific node ("targeted text")  
ttext=list(Group="A",Severity="Moderate",text="hi")
```

Labeling

Parameter
Change variable labels labelvar=c(Severity="New label for Severity")
Change node labels for a variable labelnode=list(MyVar=c(New="Old",New2="Old2"))
Change a specific node label tlabelnode=list(c(Group="A",Sex="F",label="girl"))
Font size (points) for variable names varnamepointsize=15
Specify an optional label for the root node title="All patients"
Show node labels? shownodelabels=TRUE
Show variable names? showvarnames=TRUE

Summary information

```
vtree(FakeData,"Severity",sameline=TRUE,summary="Score , mean=%mean%")
```



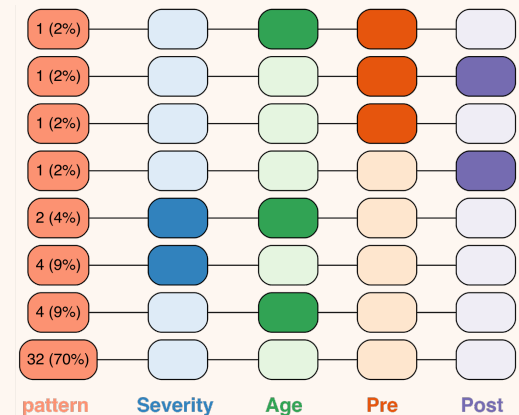
Severity

Code	Result
%mean%	mean
%SD%	standard deviation
%min%	minimum
%max%	maximum
%pX%	Xth percentile (e.g. p50 means the 50th percentile)
%median%	median, i.e. p50
%IQR%	IQR, i.e. p25, p75
%npct%	frequency and percentage
%pct%	just percentage
%list%	list of individual values, separated by commas
%listlines%	list of individual values, each on a separate line
%mv%	the number of missing values

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

Checking for missing values

```
vtree(FakeData,"Severity Age Pre Post",check.is.na=TRUE)
```



pattern Severity Age Pre Post