

```
RGui (64-bit) - [R Console]
R File Edit View Misc Packages Windows Help
Content type 'application/zip' length 1508596 bytes (1.4 MB)
downloaded 1.4 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/party 1.3-14.zip'
Content type 'application/zip' length 919926 bytes (898 KB)
downloaded 898 KB
package 'TH.data' successfully unpacked and MD5 sums checked
package 'libcoin' successfully unpacked and MD5 sums checked
package 'matrixStats' successfully unpacked and MD5 sums checked
package 'multcomp' successfully unpacked and MD5 sums checked
package 'mvtnorm' successfully unpacked and MD5 sums checked
package 'modeltools' successfully unpacked and MD5 sums checked
package 'strucchange' successfully unpacked and MD5 sums checked
package 'coin' successfully unpacked and MD5 sums checked
package 'zoo' successfully unpacked and MD5 sums checked
package 'sandwich' successfully unpacked and MD5 sums checked
package 'party' successfully unpacked and MD5 sums checked
The downloaded binary packages are in
        C:\Users\Masood\AppData\Local\Temp\RtmpaoXn9Y\downloaded packages
> library(party)
Loading required package: grid
Loading required package: mvtnorm
Loading required package: modeltools
Loading required package: stats4
Loading required package: strucchange
Loading required package: zoo
Attaching package: 'zoo'
The following objects are masked from 'package:base':
    as.Date, as.Date.numeric
Loading required package: sandwich
> print(head(readingSkills))
  nativeSpeaker age shoeSize score
             yes 5 24.83189 32.29385
            yes 6 25.95238 36.63105
3
             no 11 30.42170 49.60593
            yes 7 28.66450 40.28456
4
             yes 11 31.88207 55.46085
5
             yes 10 30.07843 52.83124
> input.data<-readingSkills[c(1:105),]</pre>
> png(file="decision tree.png")
> output.tree<-ctree(nativeSpeaker~age+shoeSize+score,data=input.data)
> plot(output.tree)
> dev.off()
null device
> plot(output.tree)
```