Tutorial / Lösungshinweise (RStudio)

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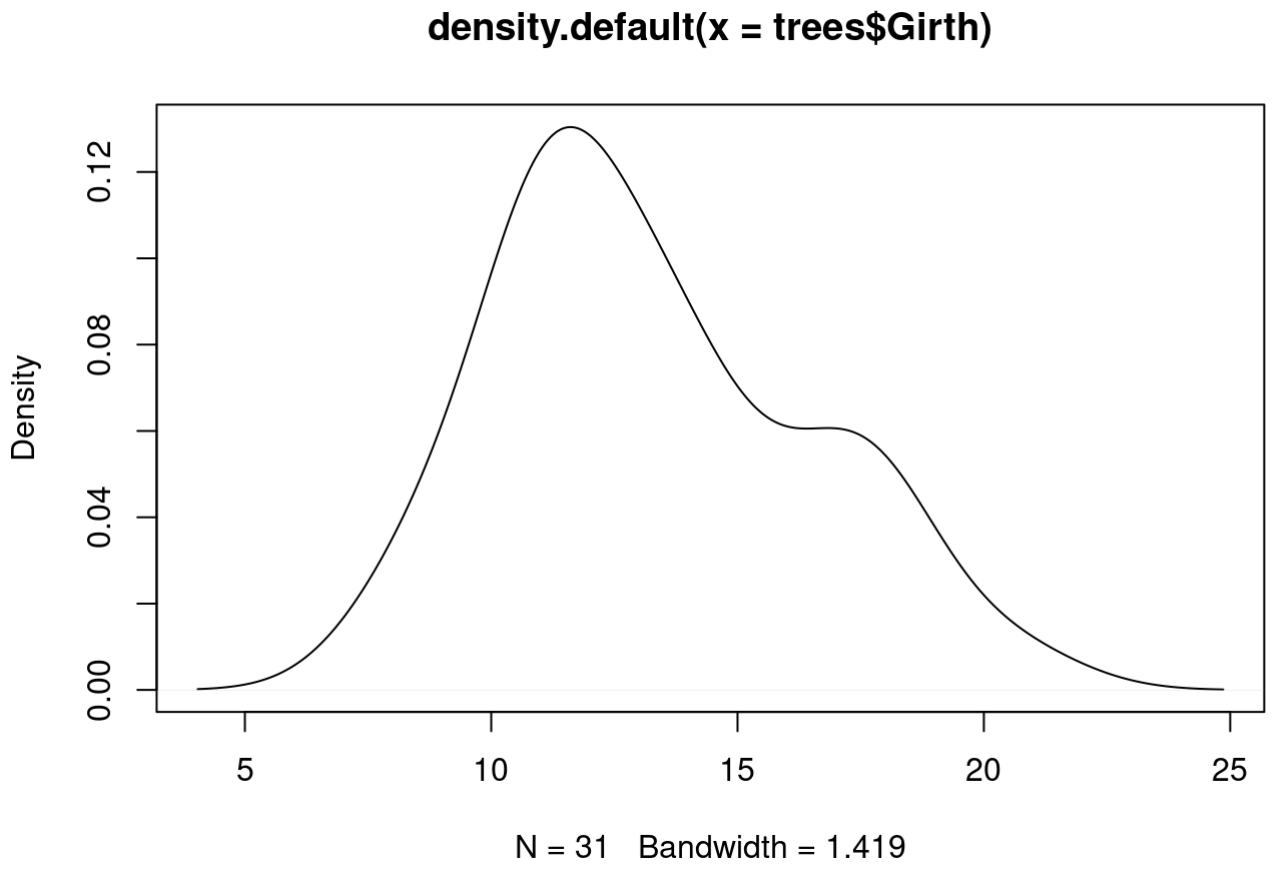
Aufgabe: DENSITY

Univariate Analyse

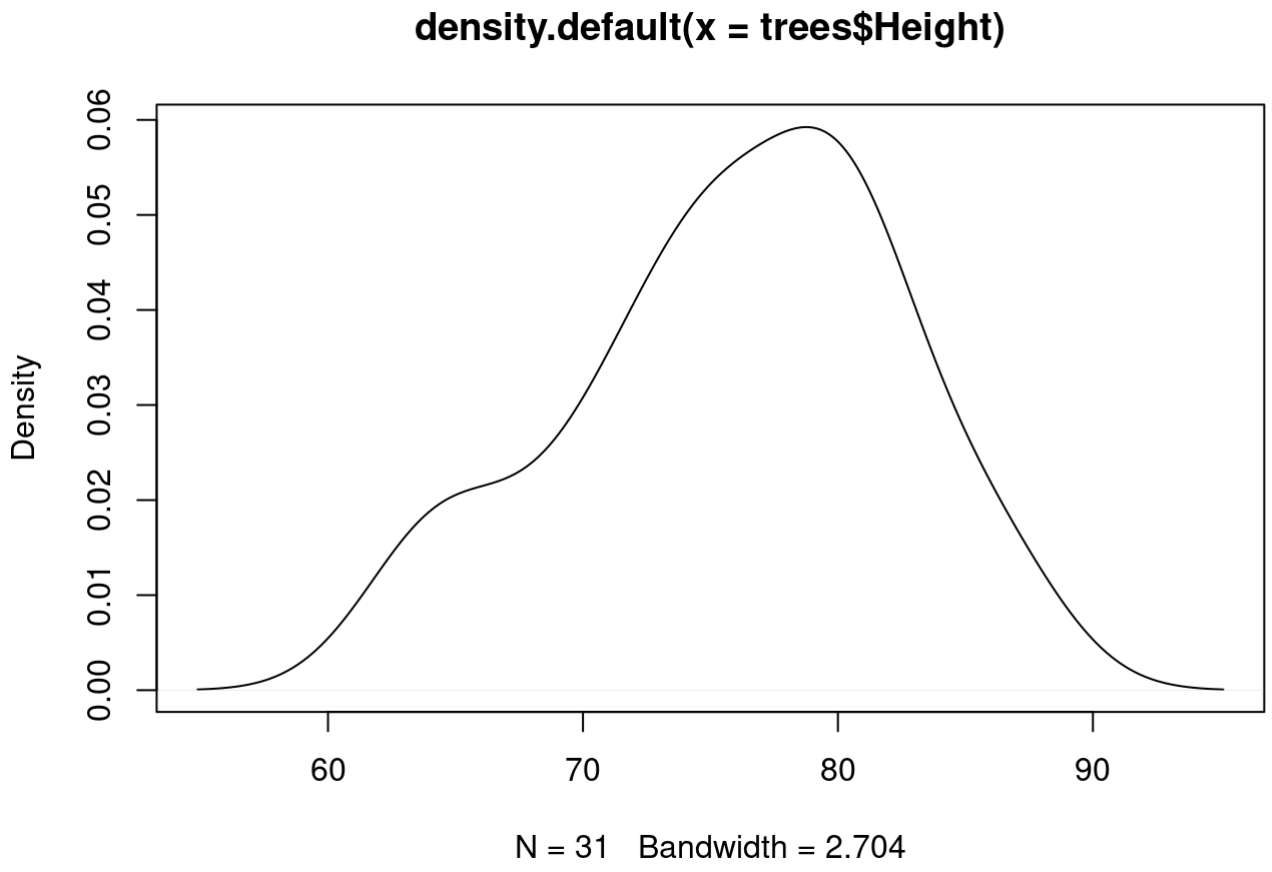
```
summary(trees)
```

```
##      Girth           Height       Volume     
##  Min.   : 8.30   Min.   :63   Min.   :10.20  
##  1st Qu.:11.05   1st Qu.:72   1st Qu.:19.40  
##  Median :12.90   Median :76   Median :24.20  
##  Mean   :13.25   Mean   :76   Mean   :30.17  
##  3rd Qu.:15.25   3rd Qu.:80   3rd Qu.:37.30  
##  Max.   :20.60   Max.   :87   Max.   :77.00
```

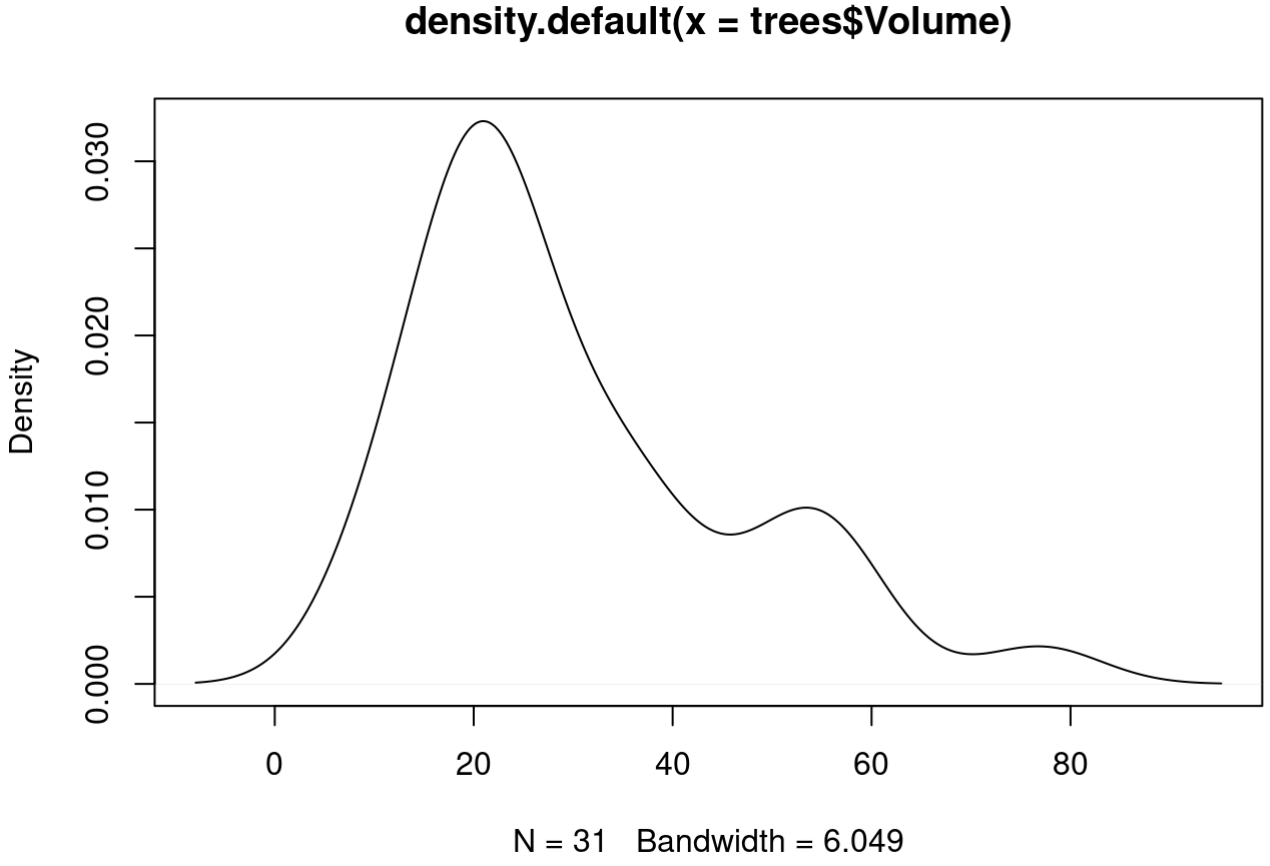
```
plot(density(trees$Girth)) # leicht rechtsschief (Median < Mean)
```




```
plot(density(trees$Height)) # annähernd normalverteilt (Median = Mean)
```




```
plot(density(trees$Volume)) # rechtsschief und mehrgipflig (Median < Mean)
```


density.default(x = trees$Volume)
Density
0.000
0.010
0.020
0.030
0
20
40
60
80
N = 31 Bandwidth = 6.049