

Tree Analysis

Ana Cecilia Montes & Ayra Reyla

2 october 2015

Introduction

In this assisment, we analyse the characteristic of both Black Cherry Trees and Loblobly Pine Trees using two different R dataframes and R Studio.

Loblolly trees are a common pine specie in the Southern US. According to our data, loblolly pine tress has on average 32 fts (see Table 1). On the other hand, *Prunus serotina*, commonly called black cherry trees are also native in North America but they are on average two times bigger than Loblolly trees. Their hight on average is 76 fts (see Table 2).

Table 1.Loblolly trees summary Statistics

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	3.46	10.47	34.00	32.36	51.36	64.10

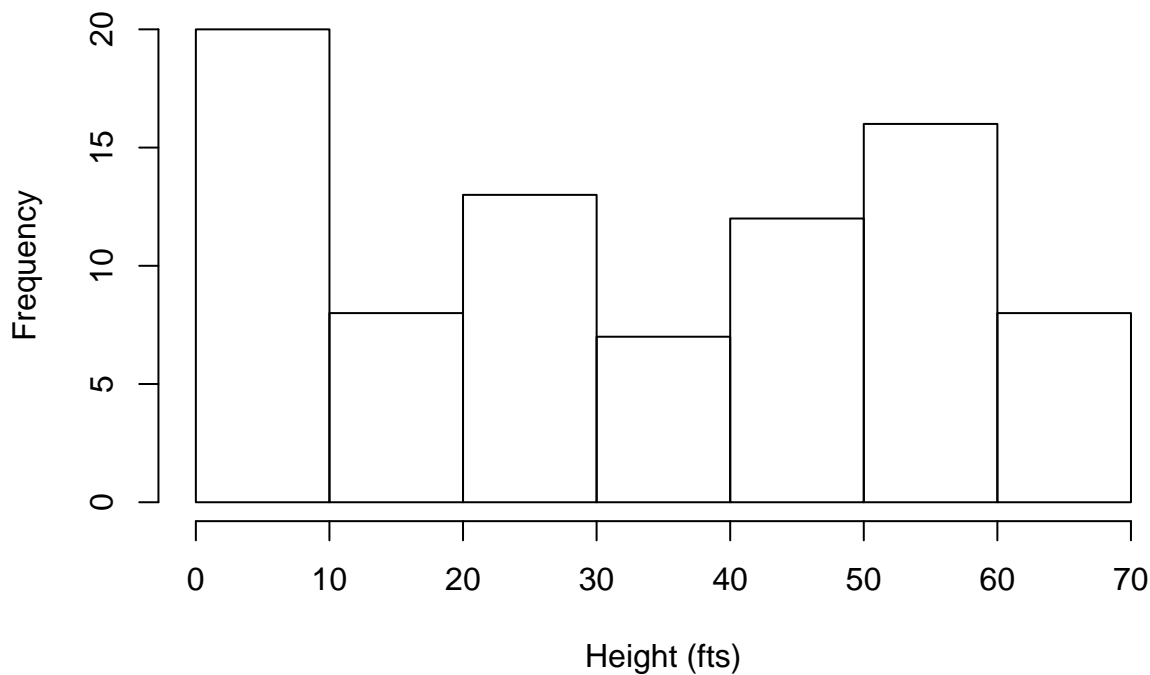
Table 2. Cherry trees summary Statistics

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	63	72	76	76	80	87

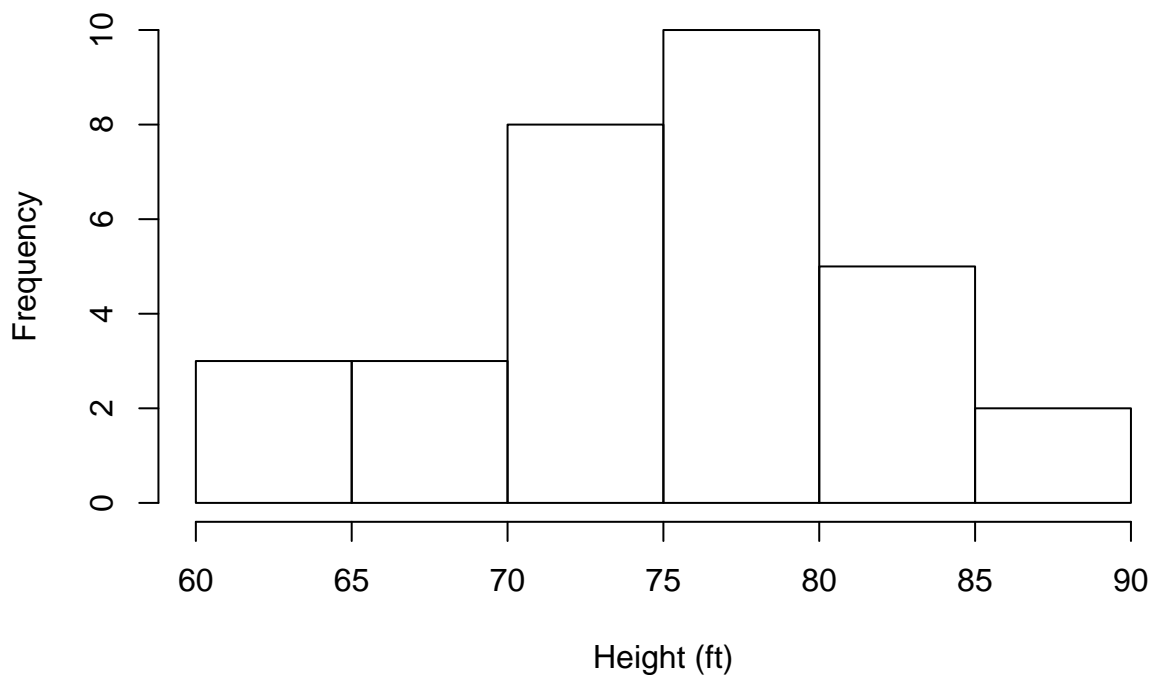
Height Distribution

A major difERENCE between Loblolly and Cherry is the height distribution. While, Lobloly trees height can range from 3 to 70 fts, for Cherry trees the height ranges from 60 to 90 fts.

Histogram of Loblolly Pine Tree height



Height of Black Cherry Trees



Standard Deviation

```
## [1] 20.6736
```

```
## [1] 6.371813
```