

Topic 6: Graphs and visualization

The basics of R

Graphs:

- R is very good at graphs.
- The main way to make a graph is to use the function `plot()`, where there are a number of arguments in the brackets (i.e., the x variable, the y variable, labels, type of graph, etc.
- Only one graph appears at once, in a separate window.
- When you graph in R, you should save the graph (e.g., as a .jpg file or as a metafile), before moving to the next graph.
- R can also do multiple graphs in the same graph window.

Graphs

Exercise: Graphs Using R

File: trees.txt for this exercise. There are 250 *Populus* trees and 250 *Abies* trees in this dataset. We will run some simple plots to visualize this fairly large dataset.

Script: graphs.R

For discussion:

- Which plot(s) did you find useful in visually describing these data?