Trees

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# Mystery Data Set #1

library(maps) # Draw geographical maps.  
library(mapdata) # Map databases.  
library(Hmisc) # Miscellaneous useful functions.

## Loading required package: lattice

## Loading required package: survival

## Loading required package: Formula

## Loading required package: ggplot2

##   
## Attaching package: 'Hmisc'

## The following objects are masked from 'package:base':  
##   
## format.pval, units

sites <- read.csv("http://college.holycross.edu/faculty/rlent/sites/sites.csv")  
# Do a simple linear regression of butterfly forewing length vs thorax width,   
# and save the regression residuals to the sites data frame.  
reg <- with(sites, lm(fwlength ~ thorax))  
sites$resid <- reg$residuals  
# Make the map.  
map('state', c('Vermont','New Hampshire','Massachusetts'),   
 xlim=c(-74, -69), ylim=c(41, 45.5),   
 col='gray90', fill=TRUE, mar = c(0, 0, 1, 0))  
with(sites, points(lon\_dd, lat\_dd, pch=16, col='black', cex=.7))

