Example

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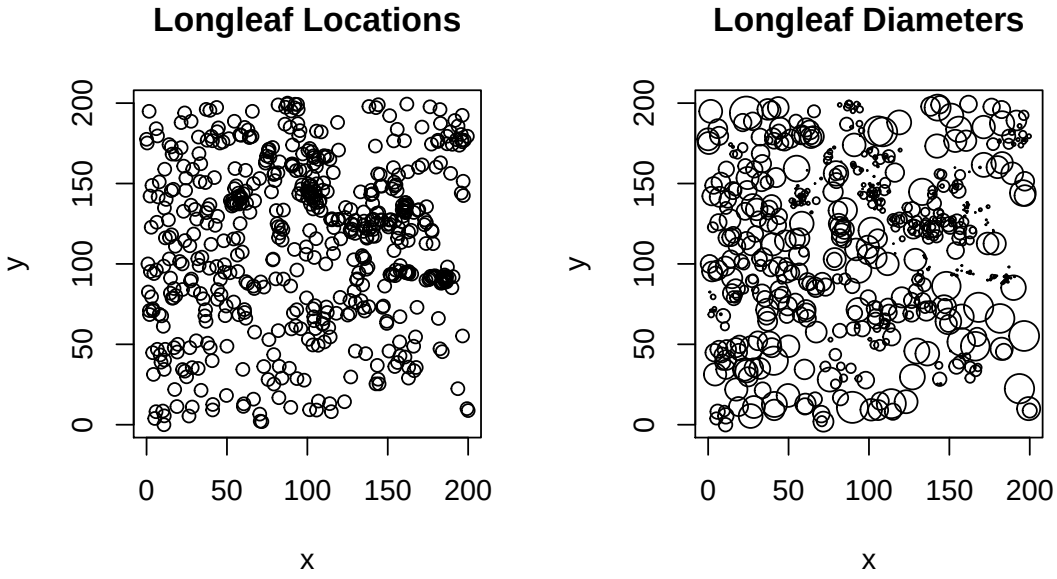
Title 1

Title 2

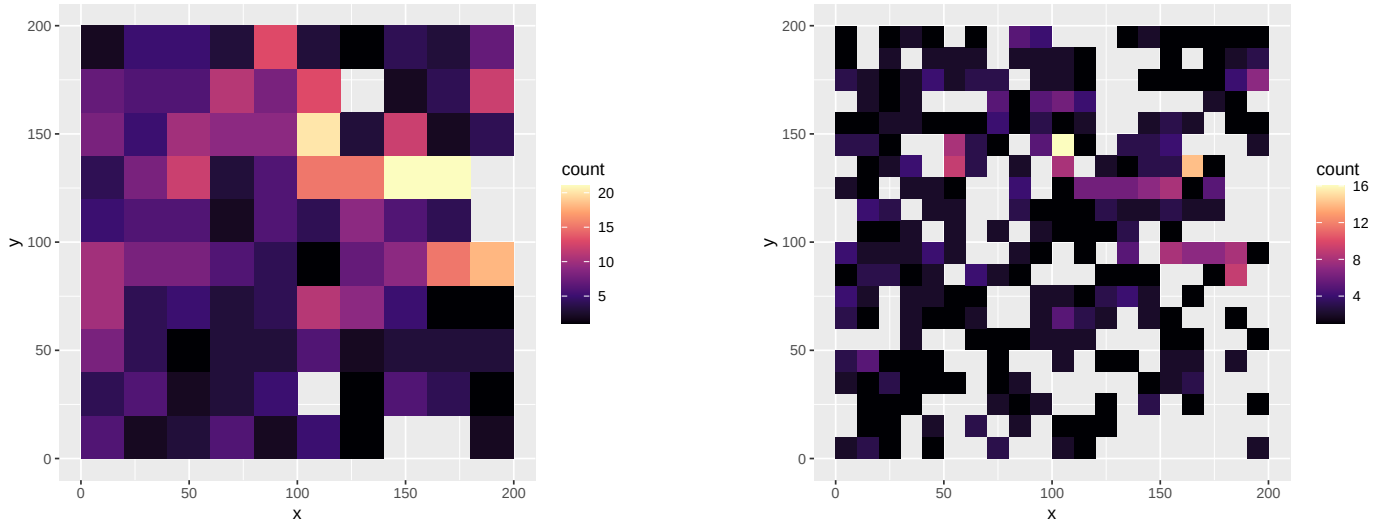
```
##       x    y marks
## 1 200.0  8.8  32.9
## 2 199.3 10.0  53.5
## 3 193.6 22.4  68.0
## 4 167.7 35.6  17.7
## 5 183.9 45.4  36.9
## 6 182.5 47.2  51.6
```

Spacial Point Locations

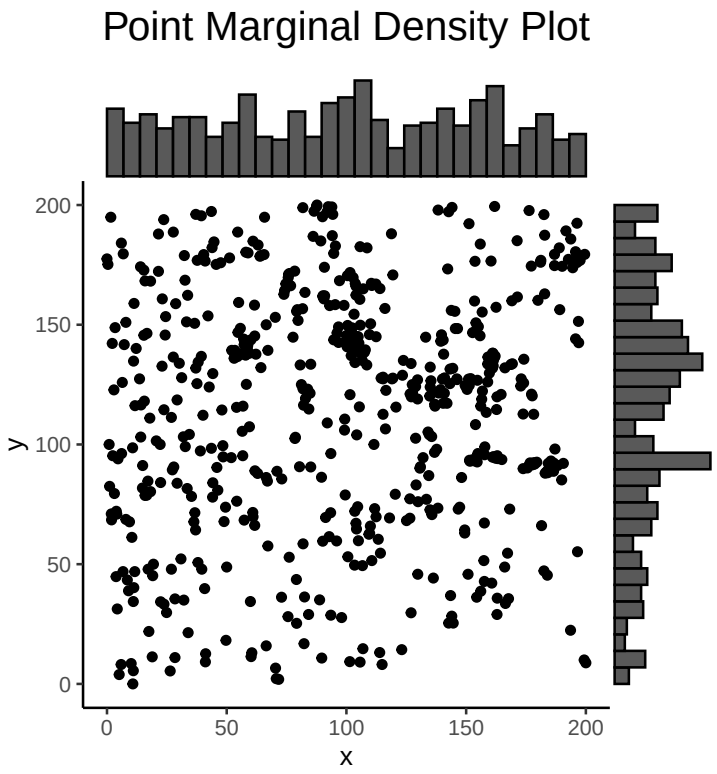
Two plots representing Longleaf locations. The left representing the discrete spatial points. The right representing the spatial points with varied diameter with its respective breastheight.



Density histograms separated into bins:



The following is a plot of marginal densities along x and y:



Spatial Observations of Lansing

Spatial points in the Lansing dataset have species associated to them, and thus is a categorical attribute of the data. The data looks as follows:

```
##       x     y    marks
## 1 0.078 0.091 blackoak
```

```
## 2 0.076 0.266 blackoak
## 3 0.051 0.225 blackoak
## 4 0.015 0.366 blackoak
## 5 0.030 0.426 blackoak
## 6 0.102 0.474 blackoak
```

A summary of the dataset is as follows:

```
## Marked planar point pattern:  2251 points
## Average intensity 2251 points per square unit (one unit = 924 feet)
##
## *Pattern contains duplicated points*
##
## Coordinates are given to 3 decimal places
## i.e. rounded to the nearest multiple of 0.001 units (one unit = 924 feet)
##
## Multitype:
##          frequency proportion intensity
## blackoak       135 0.05997335       135
## hickory        703 0.31230560       703
## maple          514 0.22834300       514
## misc           105 0.04664594       105
## redoak         346 0.15370950       346
## whiteoak       448 0.19902270       448
##
## Window: rectangle = [0, 1] x [0, 1] units
## Window area = 1 square unit
## Unit of length: 924 feet
```

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

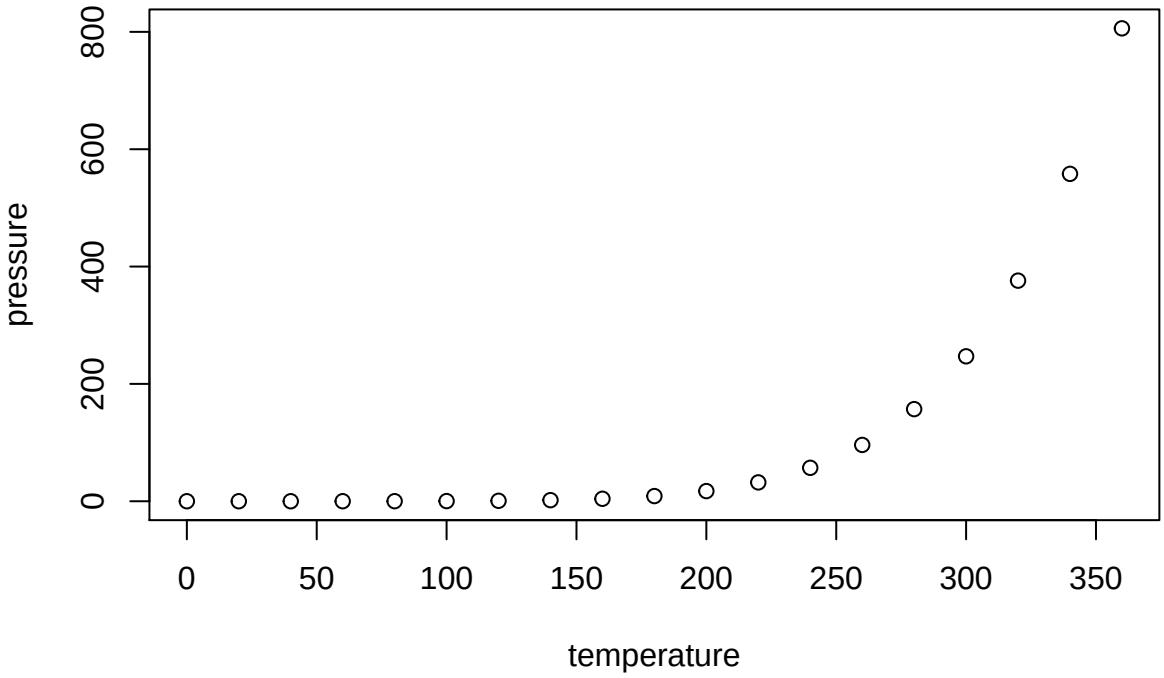
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.