# Example

Marco Sousa

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# Title 1

# Title 2

outside under title

```
\sum_{i=1}^{a}
```

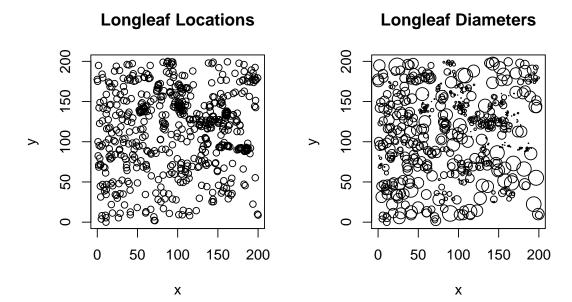
# **Spacial Point Locations**

## 6 182.5 47.2 51.6

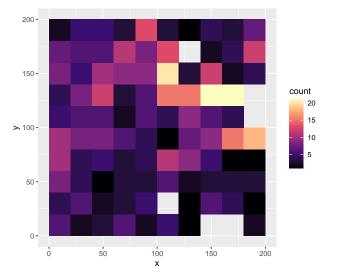
36.9

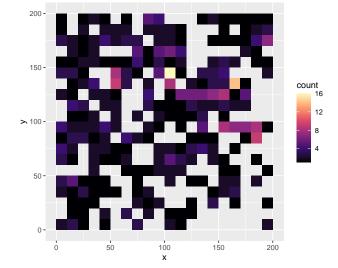
## 5 183.9 45.4

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.

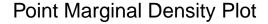


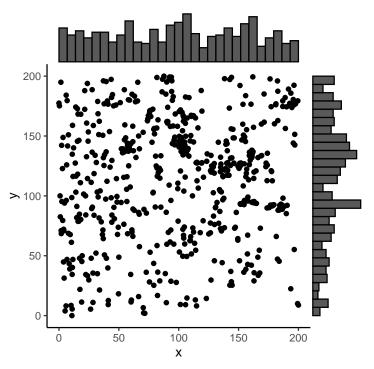
Density histograms separated into bins:





The following is a plot of marginal densities along  ${\bf x}$  and  ${\bf y}$ :





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

# **Including Plots**

You can also embed plots, for example:



Note that the  $\mbox{echo}$  = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.