Andrew Marx Assignment 1

My goal was to create a figure that shows pairwise comparisons of the diameter of each species to see if there is a correlation between the presence of two species. Each point represents a plot, and within plots the diameter is the average of all individuals of a species.

## Pairwise Average Diameters Across Plots



## Pairwise Average Diameters Across Plots red maple sweetgum laurel oak slash pine loblolly pine black cherry live oak water oak 0.15 red maple Corr: Corr: Corr: 0.10 Corr: Corr: Corr: NA -0.2950.389 0.101 0.822 -0.548 1 0.05 0.00 12.5 10.0 sweetgum Corr: Corr: Corr: Corr: Corr: Corr: 7.5 -0.496 0.879 -0.702 NA -0.5470.744 5.0 2.5 16 laurel oak Corr: Corr: Corr: Corr: Corr: 12 0.47 -0.541 0.15 0.638 0.248 20 slash pine Corr: Corr: Corr: Corr: 0.494 0.767 0.0767 -0.111 10 20 loblolly pine 15 Corr: Corr: Corr: 0.784 -0.987 10 1.050 1.025 black cherry Corr: Corr: NA 1.000 0.715 0.202 0.975 0.950 40 30 live oak Corr: 20 -0.569 10 12.5 water oak 10.0 7.5

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5.0

5.0 7.5 10.012.515.0 2.5 5.0 7.5 10.012.54