Exploratory Data Analysis

To-do:

* Graph differences between both compartments and plots within compartments
  + Look at difference in values, difference in variation and difference in completeness of data
* Graph differences among other potential covariates
  + Species composition
    - Ratio of pine BA to fir BA?
    - Amount of fir BA as proportion of total?
  + Density
    - Basal area
    - TPA
  + Live vs. Dead

***Problems***

* All fuels and trees measurements were not taken at the same time after treatment. Can only determine with accuracy of one year.
* Zero inflated data – hierarchical model?
  + What underlying process is generating the zeros?
    - They seem to all be True zeros, hard to miss 100 and 1000hr fuels.
    - Could be that they are missed? – but doesn’t seem significant.
    - For litter and duff – underlying process is whether or not ground is suitable – bare ground(maybe this is a true zero), rock etc don’t hold duff or litter (structural zero)
* Fine fuels counts are biased low (model detection probability?)
  + What would effect detection probability (shrub cover, crew)?