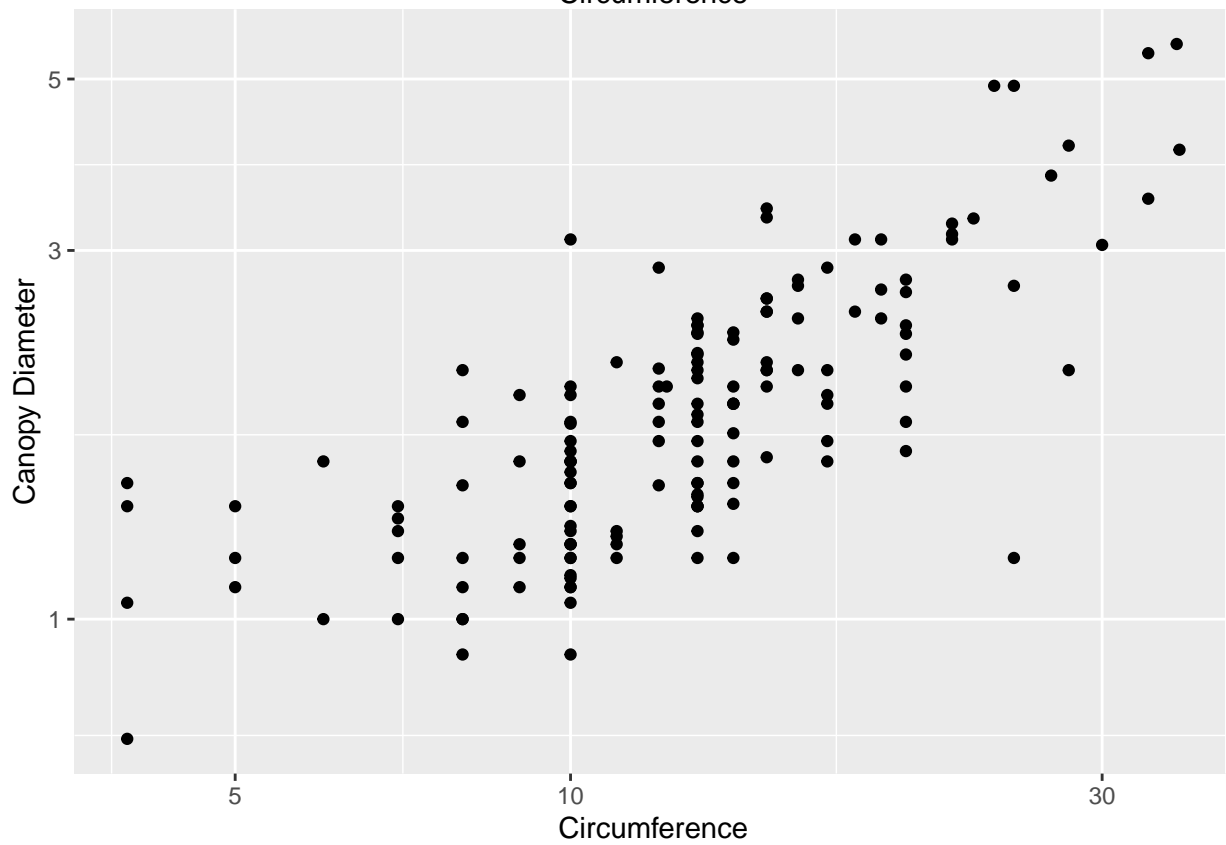
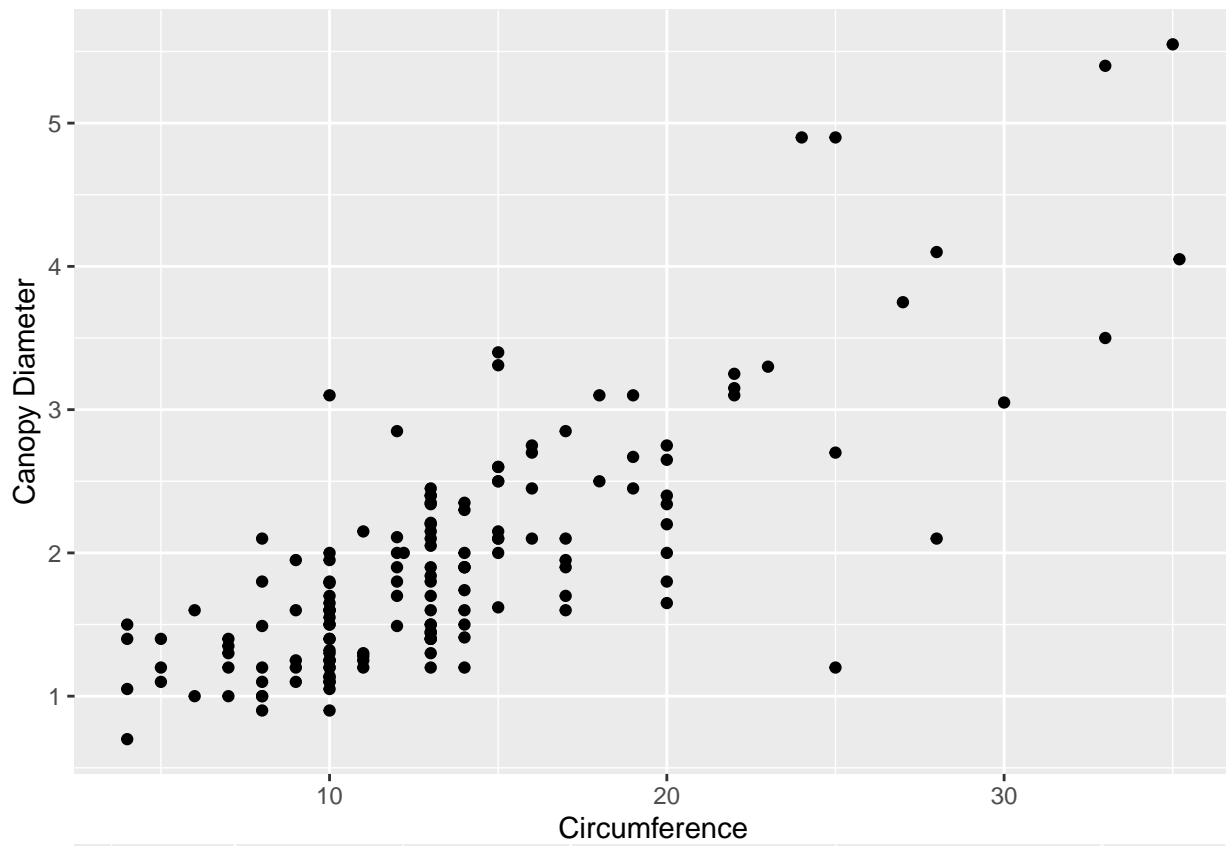


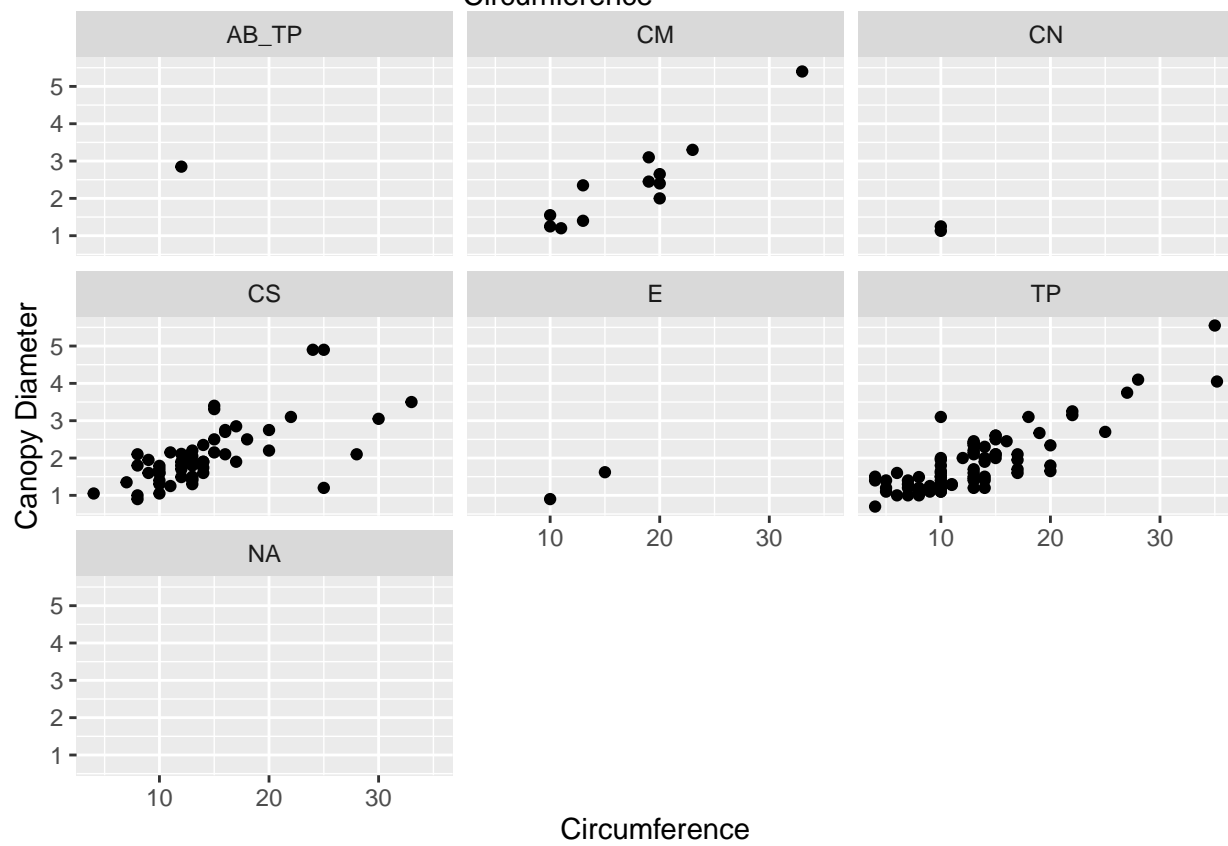
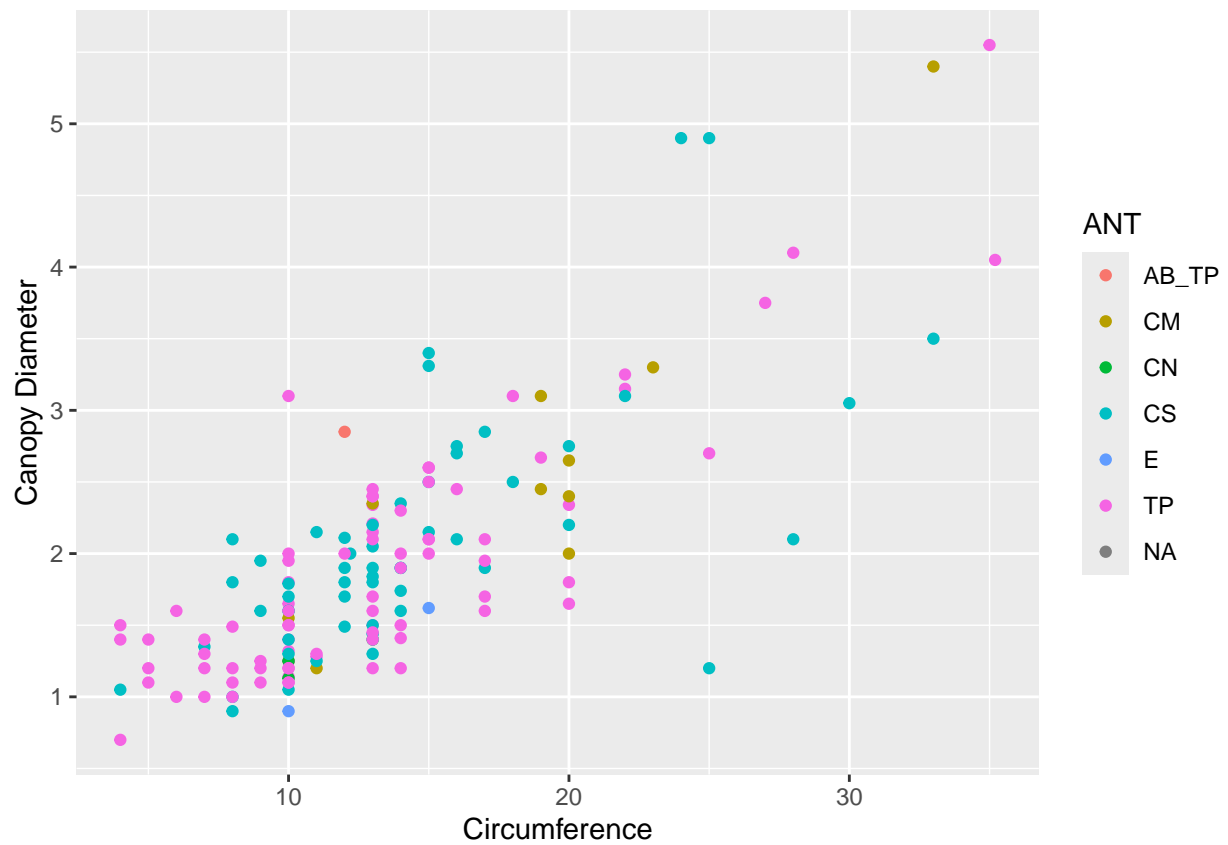
Week 5 Assignment

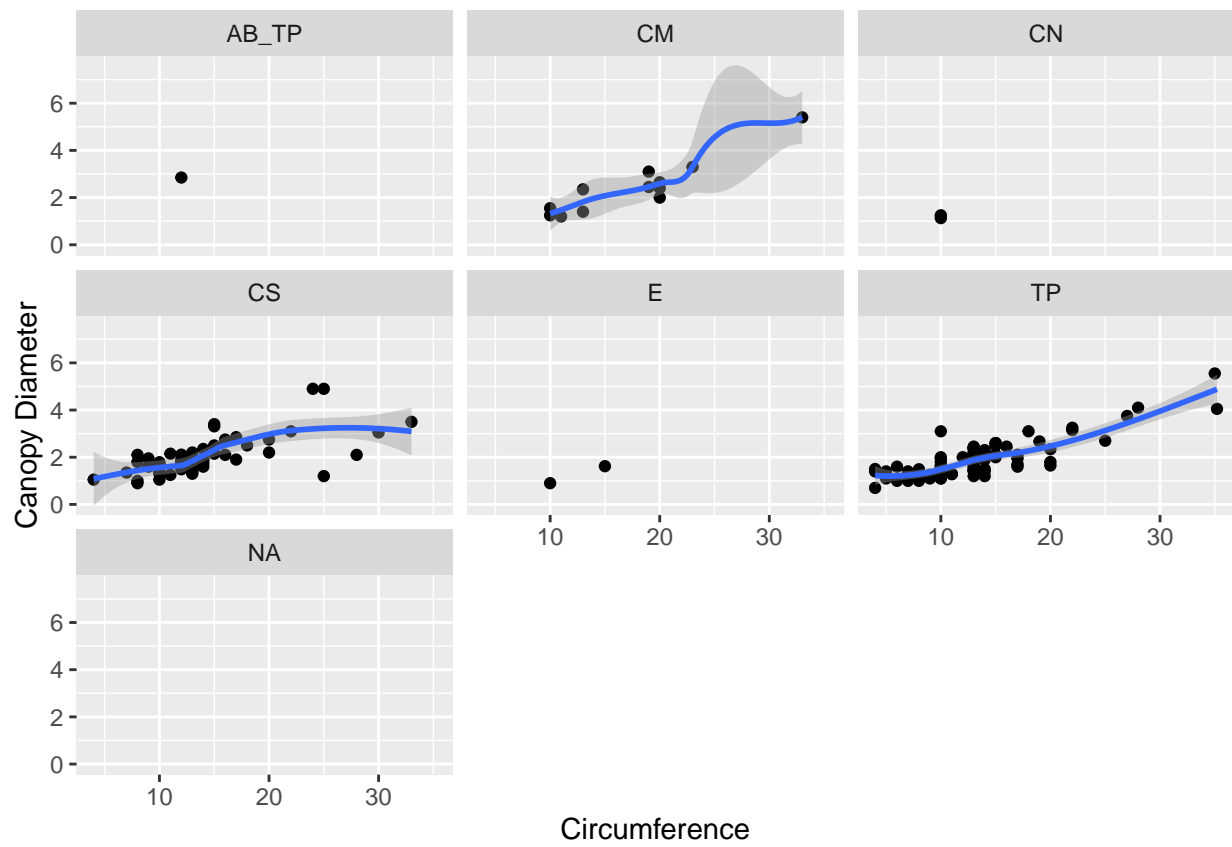
Ellen Bledsoe

2025-02-18

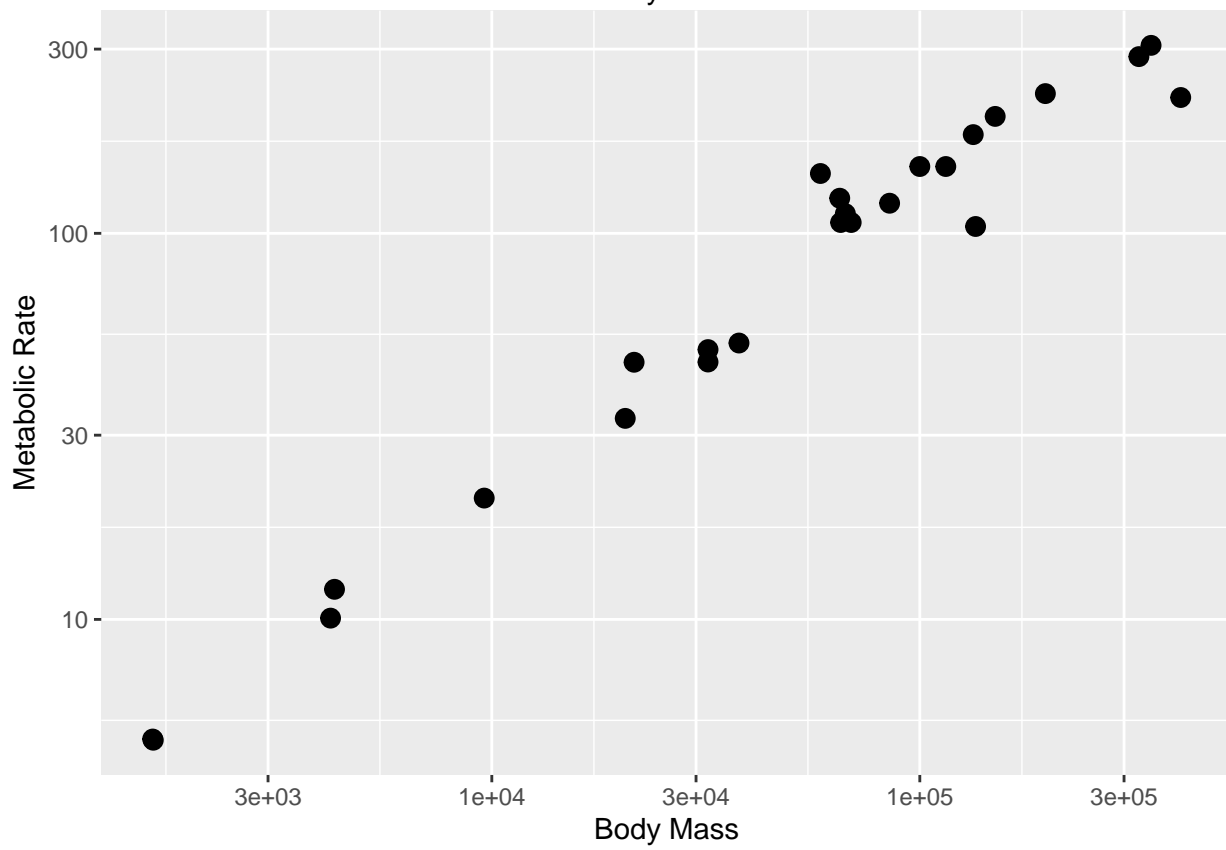
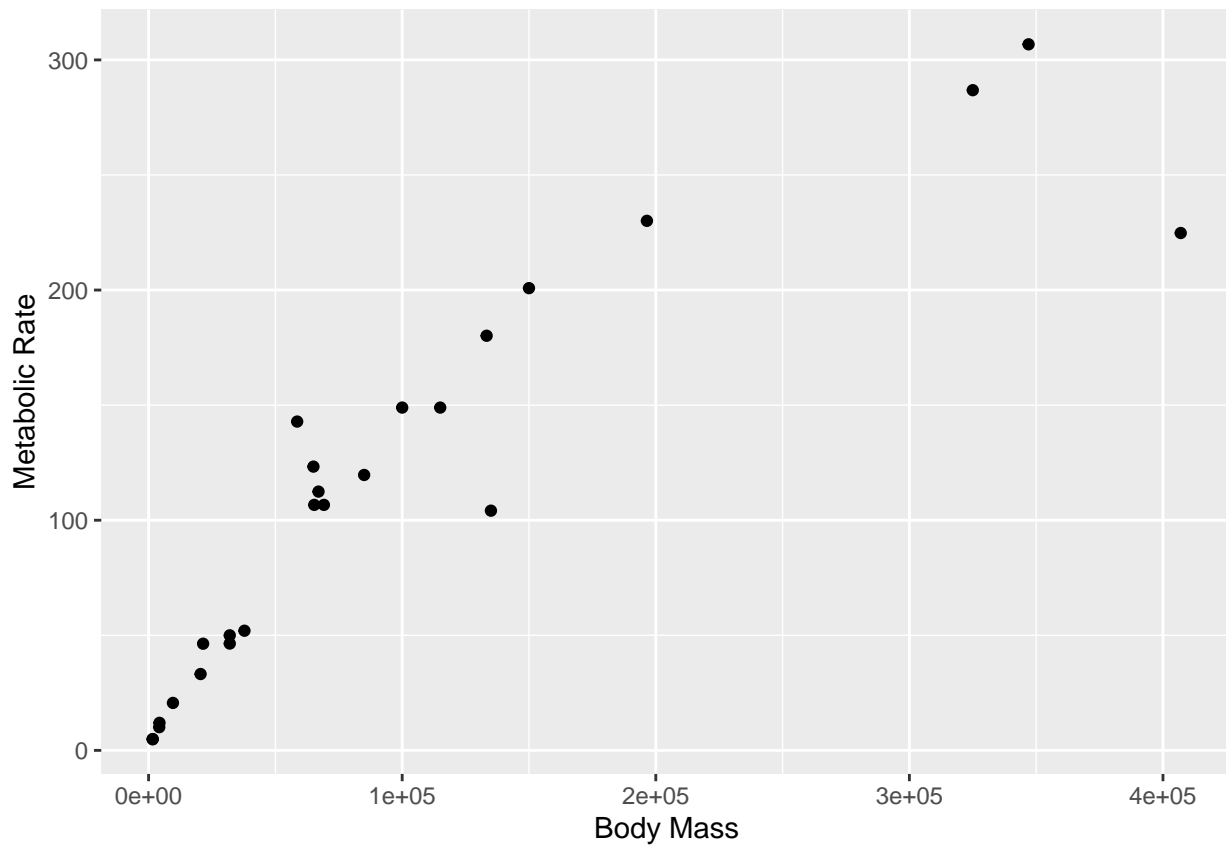
1. Acacia and Ants (20 pts)

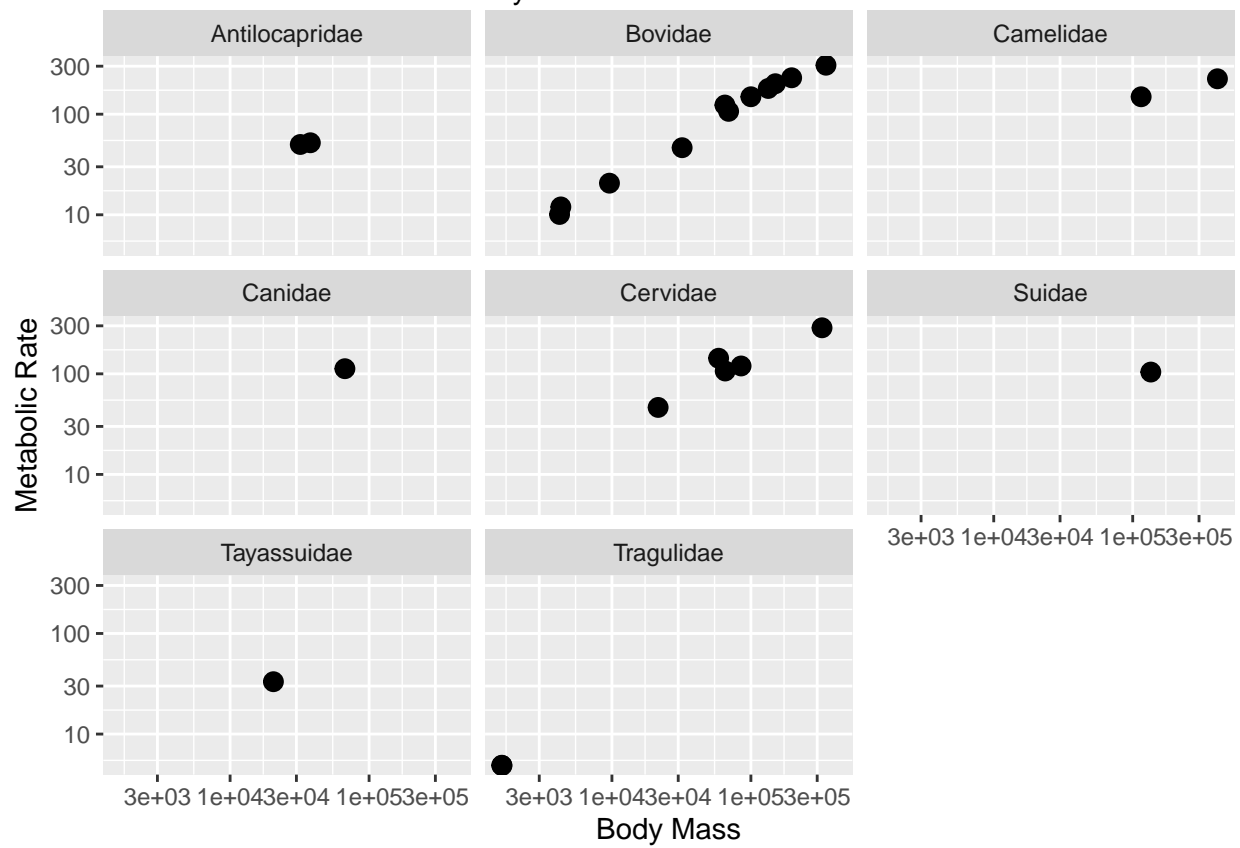
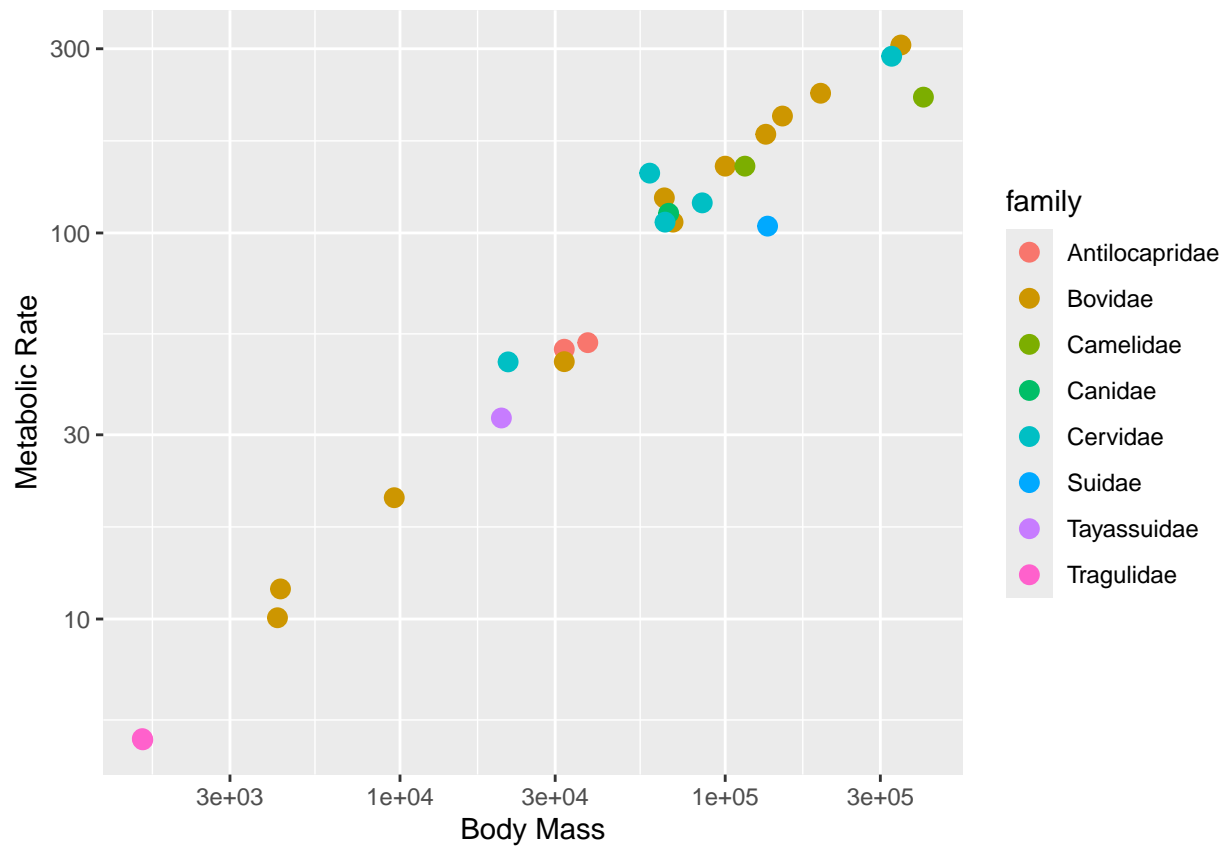




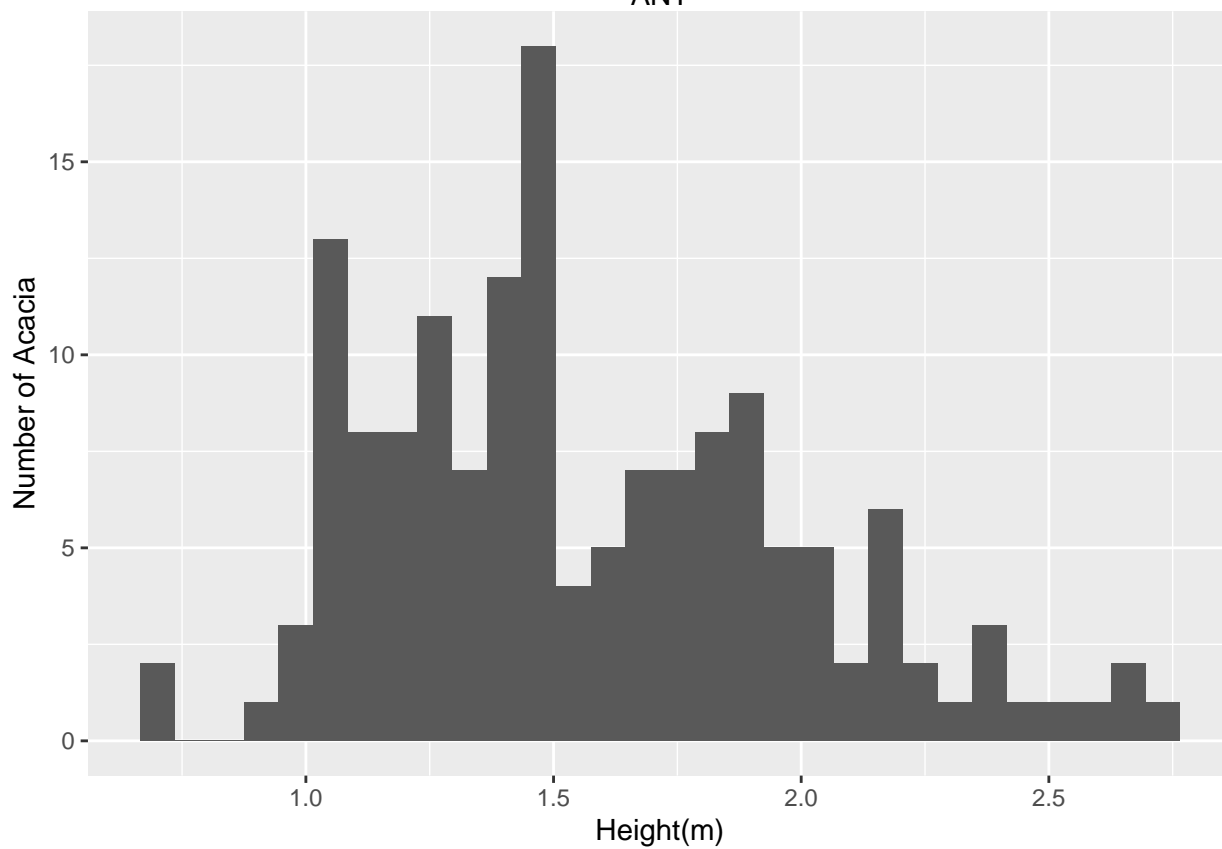
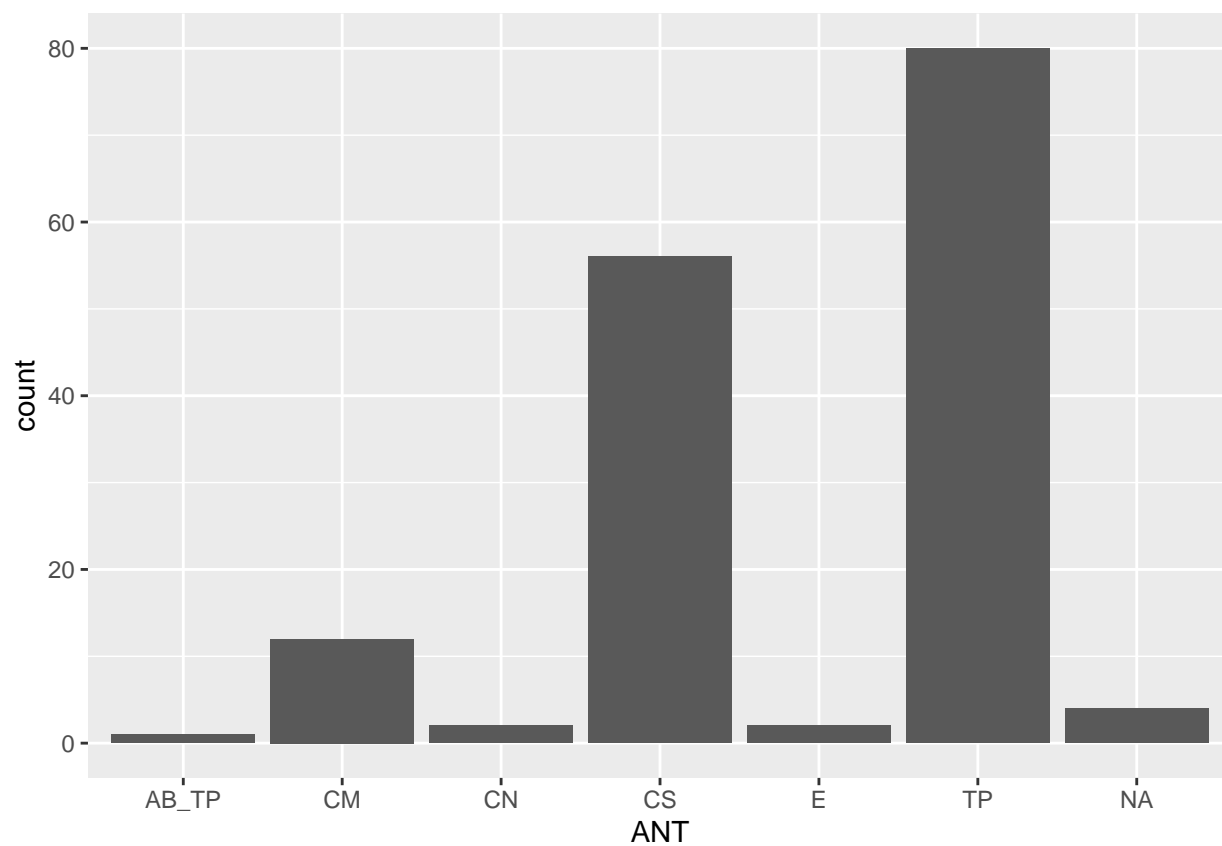


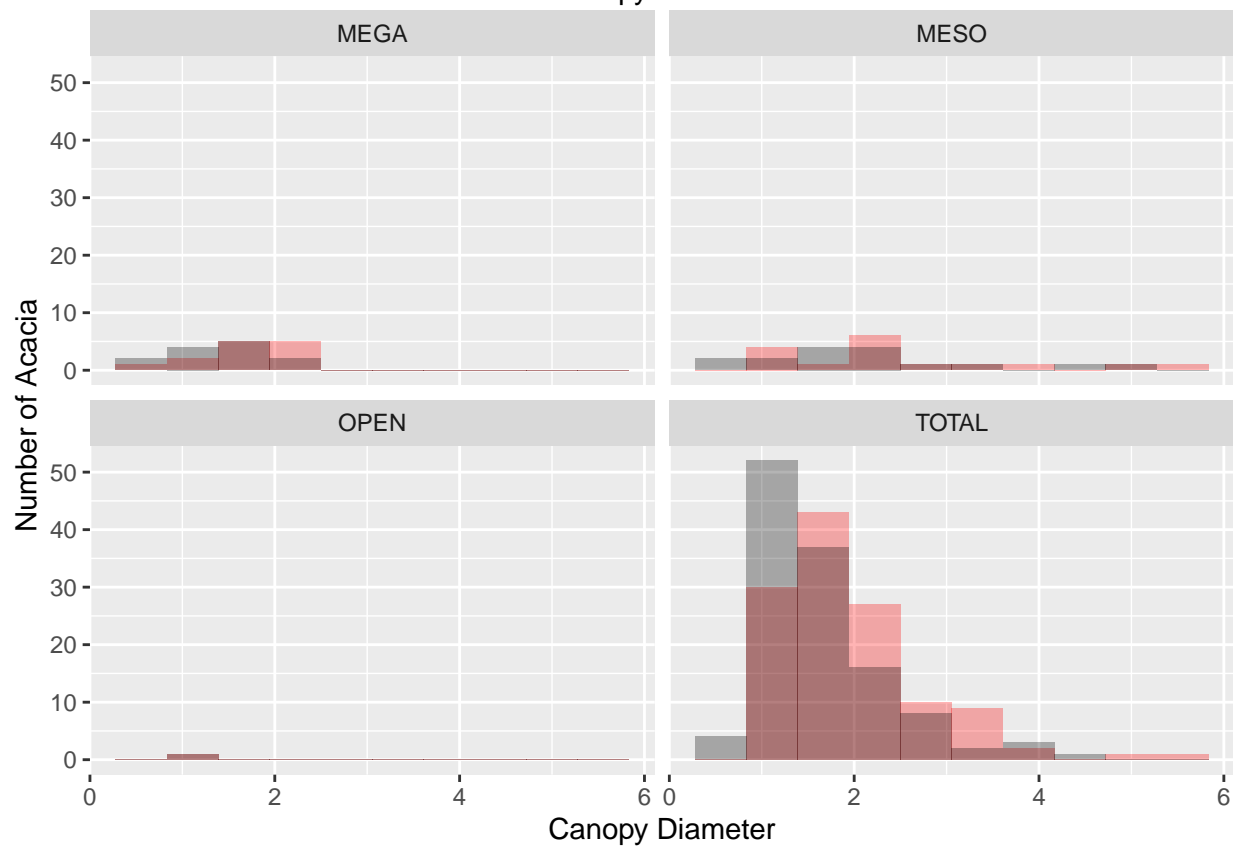
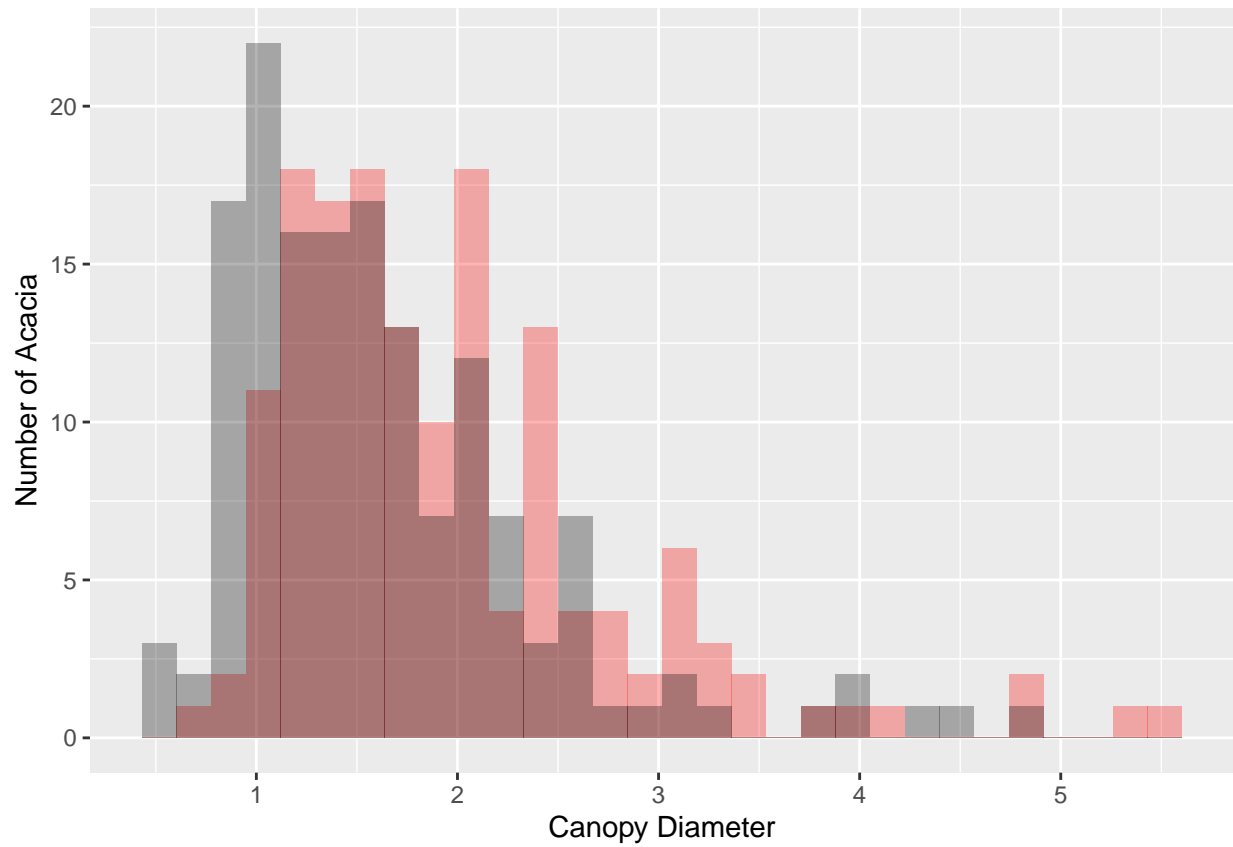
2. Mass vs. Metabolism (20 pts)





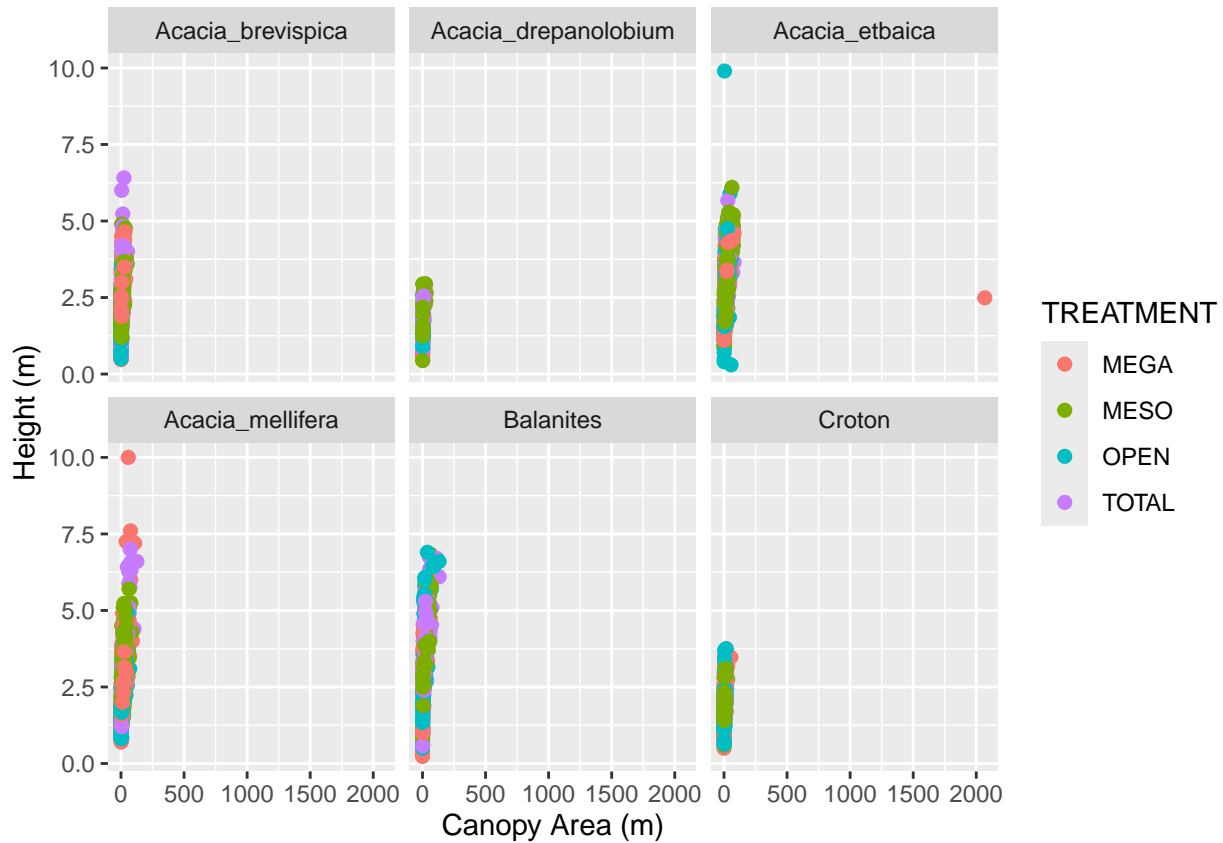
3. Acacia and Ants Histograms (20 pts)

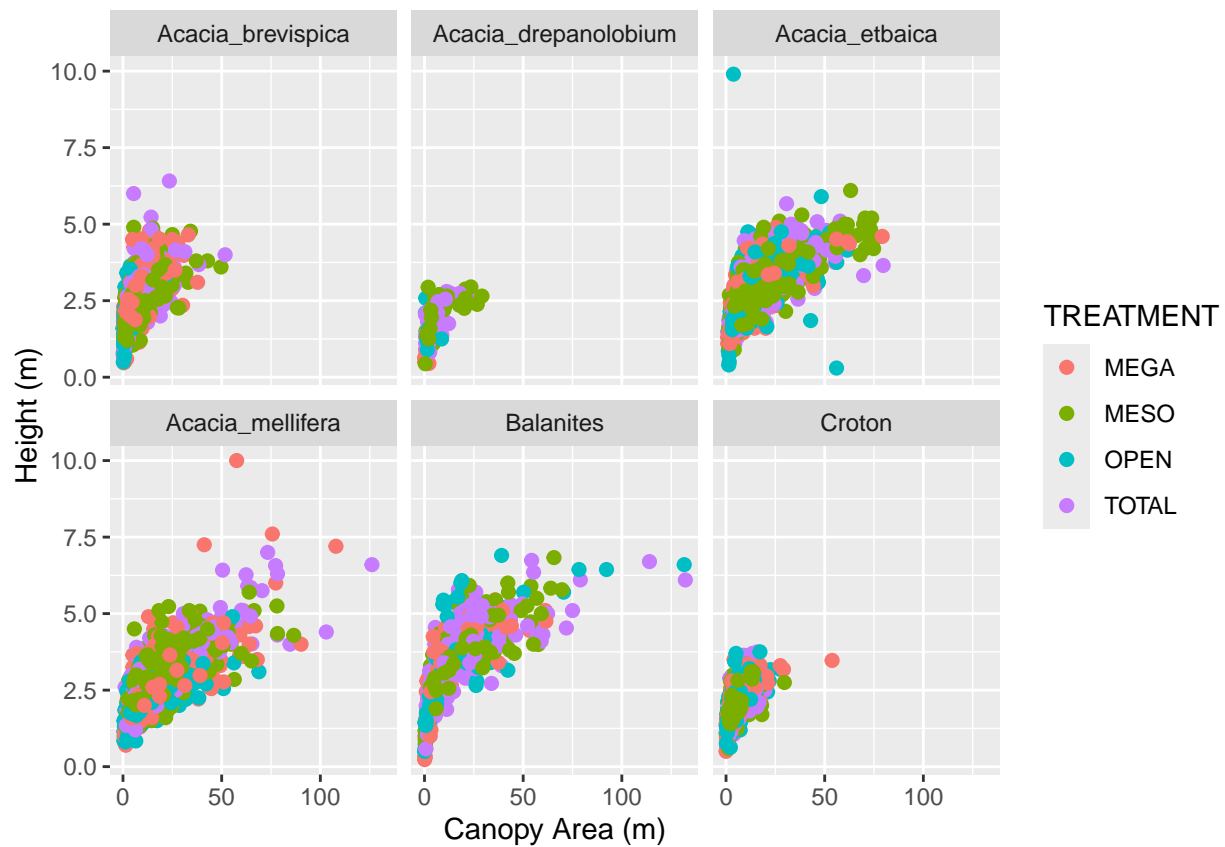




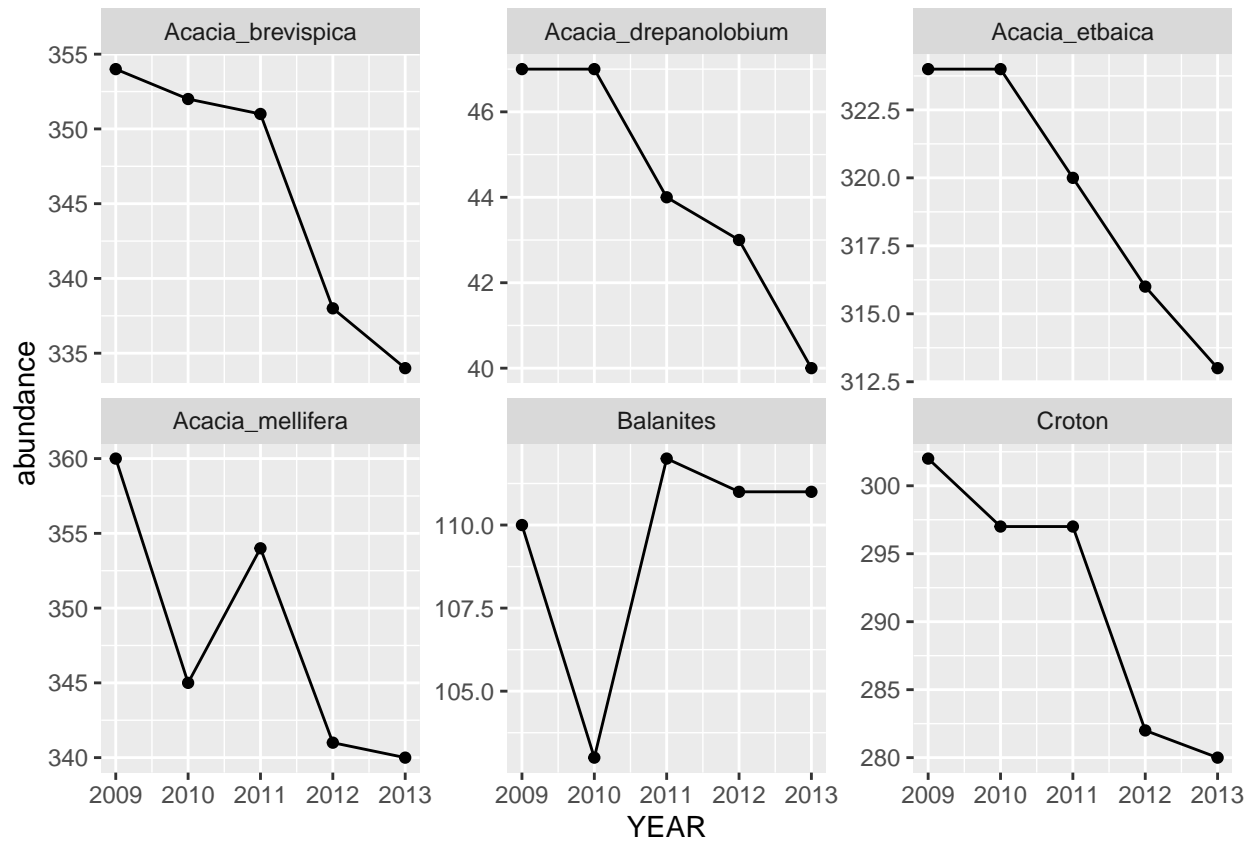
4. Acacia and Ants Data Manipulation (20 pts)

```
## # A tibble: 7,501 x 5
##   SURVEY YEAR SITE SPECIES canopy_area
##   <dbl> <dbl> <chr> <chr>      <dbl>
## 1     1     1 2009 SOUTH Acacia_etbaica 30.5
## 2     2     2 2010 SOUTH Acacia_etbaica 69.7
## 3     3     3 2011 SOUTH Acacia_etbaica 79.6
## 4     4     4 2012 SOUTH Acacia_etbaica 39.0
## 5     5     5 2013 SOUTH Acacia_etbaica 40.8
## 6     1     1 2009 SOUTH Acacia_etbaica  6.16
## 7     2     2 2010 SOUTH Acacia_etbaica  7.29
## 8     3     3 2011 SOUTH Acacia_etbaica 12.5
## 9     4     4 2012 SOUTH Acacia_etbaica  NA
## 10    5     5 2013 SOUTH Acacia_etbaica  9.62
## # i 7,491 more rows
```

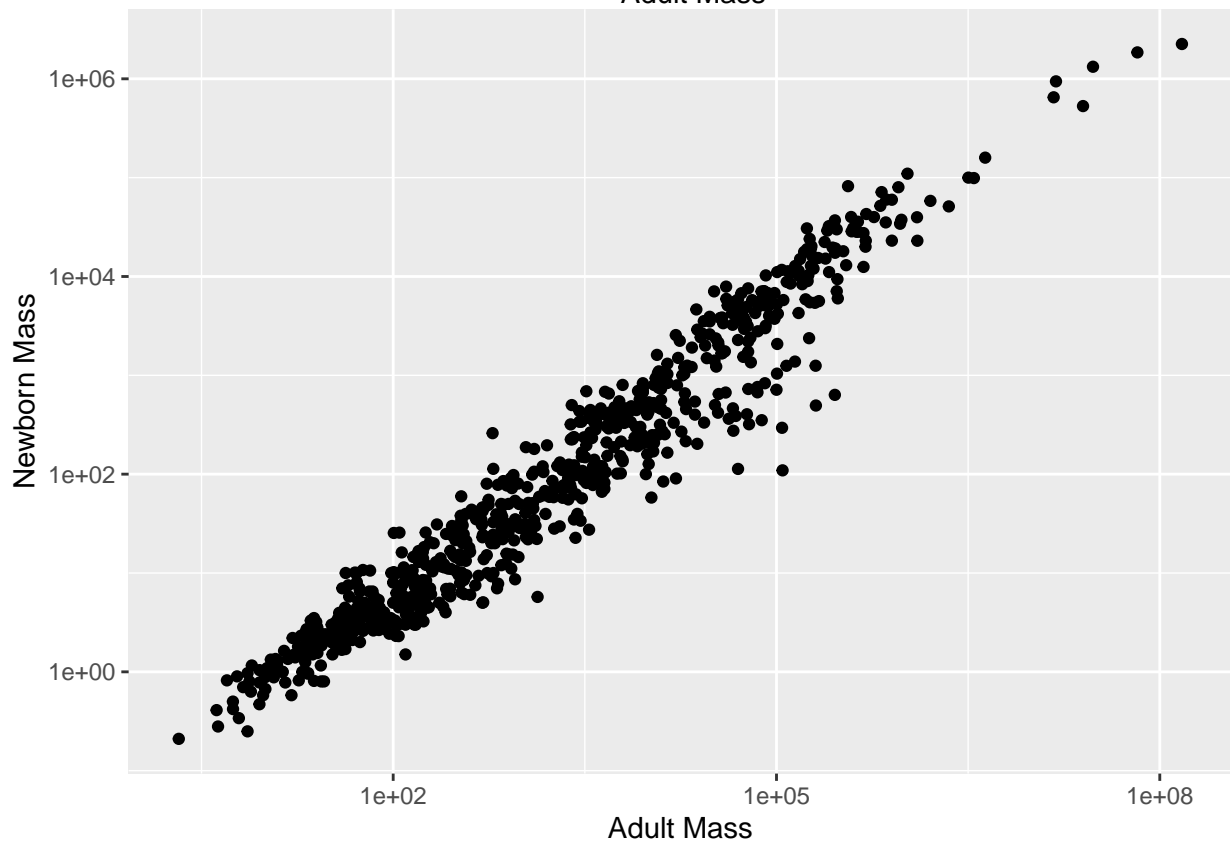
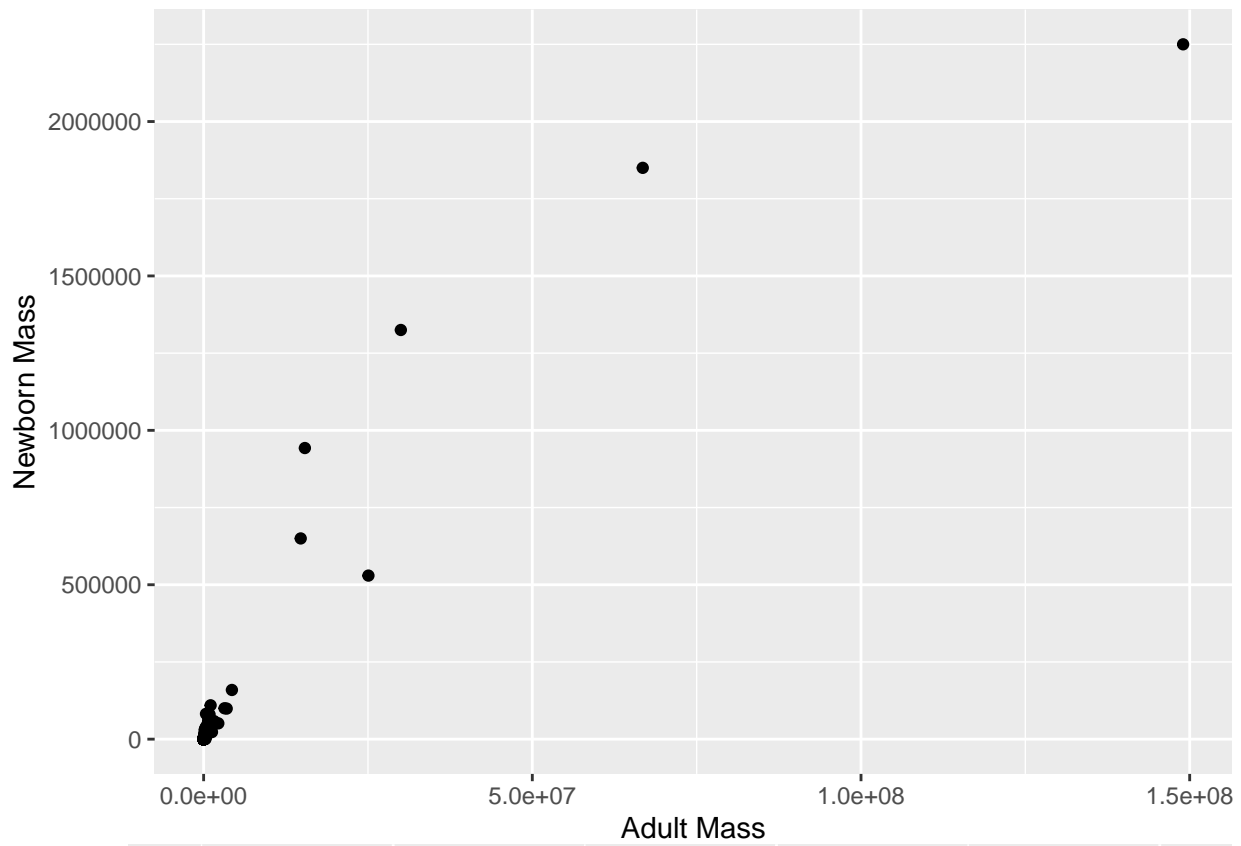


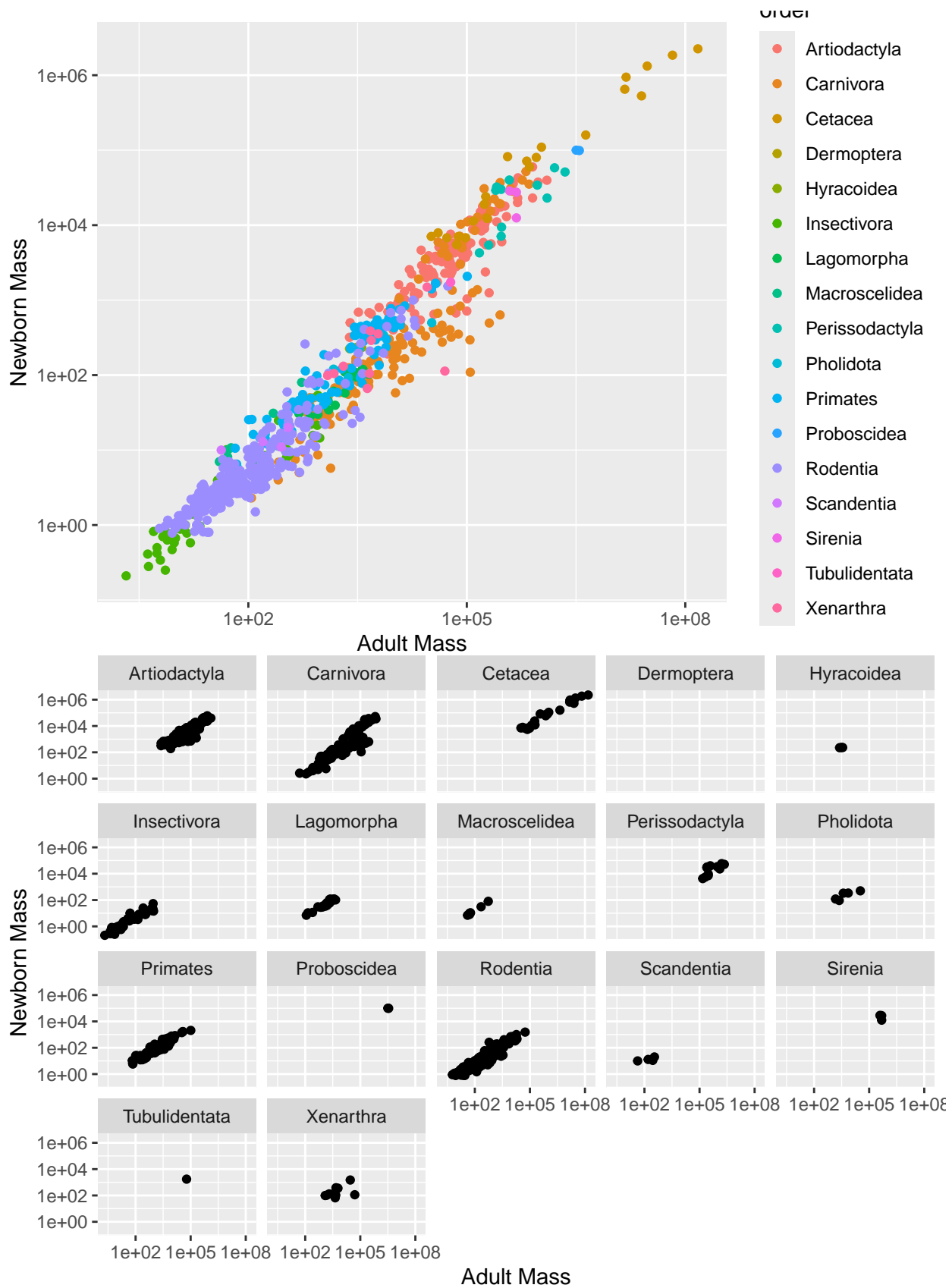


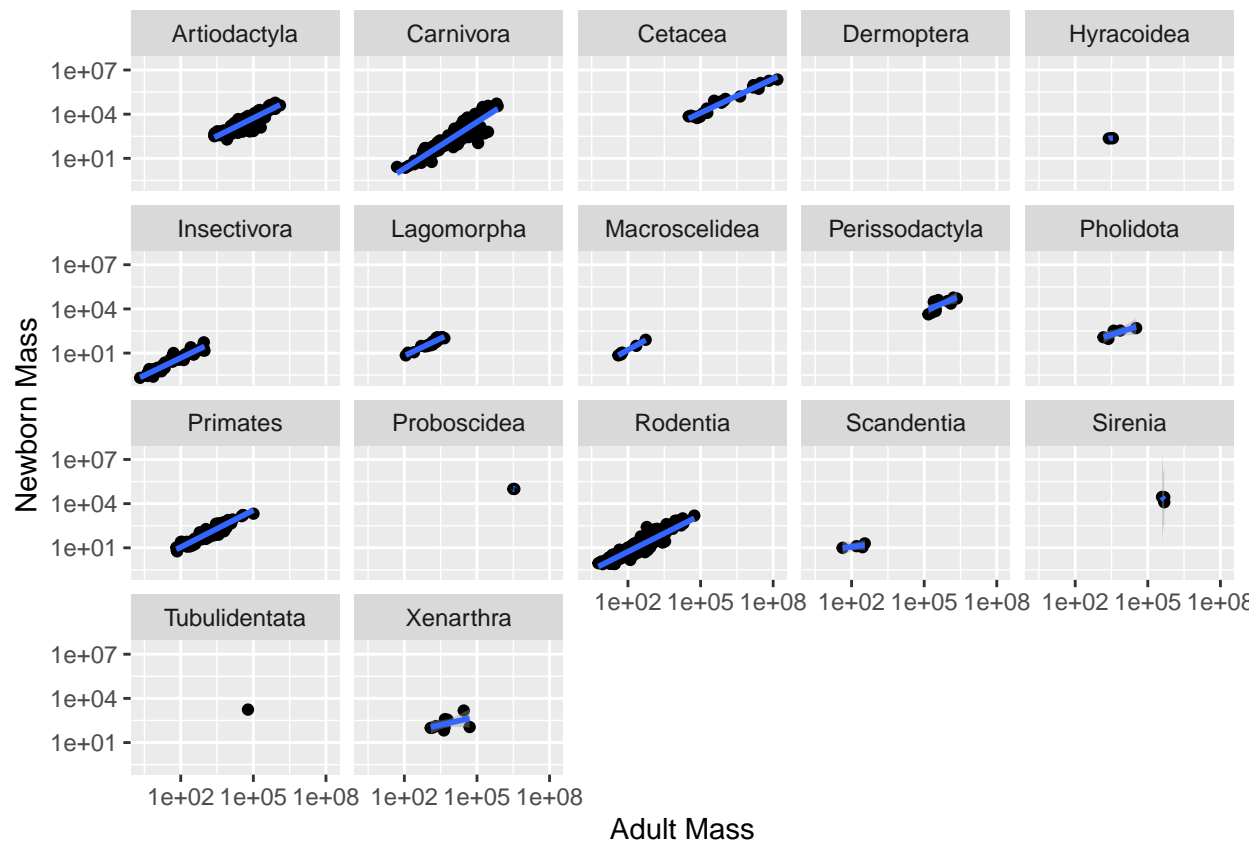
```
## # A tibble: 30 x 3
## # Groups:   YEAR [5]
##   YEAR SPECIES      abundance
##   <dbl> <chr>         <int>
## 1  2009 Acacia_brevispica      354
## 2  2009 Acacia_drepanolobium    47
## 3  2009 Acacia_etbaica        324
## 4  2009 Acacia_mellifera       360
## 5  2009 Balanites             110
## 6  2009 Croton               302
## 7  2010 Acacia_brevispica      352
## 8  2010 Acacia_drepanolobium    47
## 9  2010 Acacia_etbaica        324
## 10 2010 Acacia_mellifera       345
## # i 20 more rows
```



5. Adult vs. Newborn Size (20 pts)







7. Graphing Data from Multiple Tables (*Optional*)

