

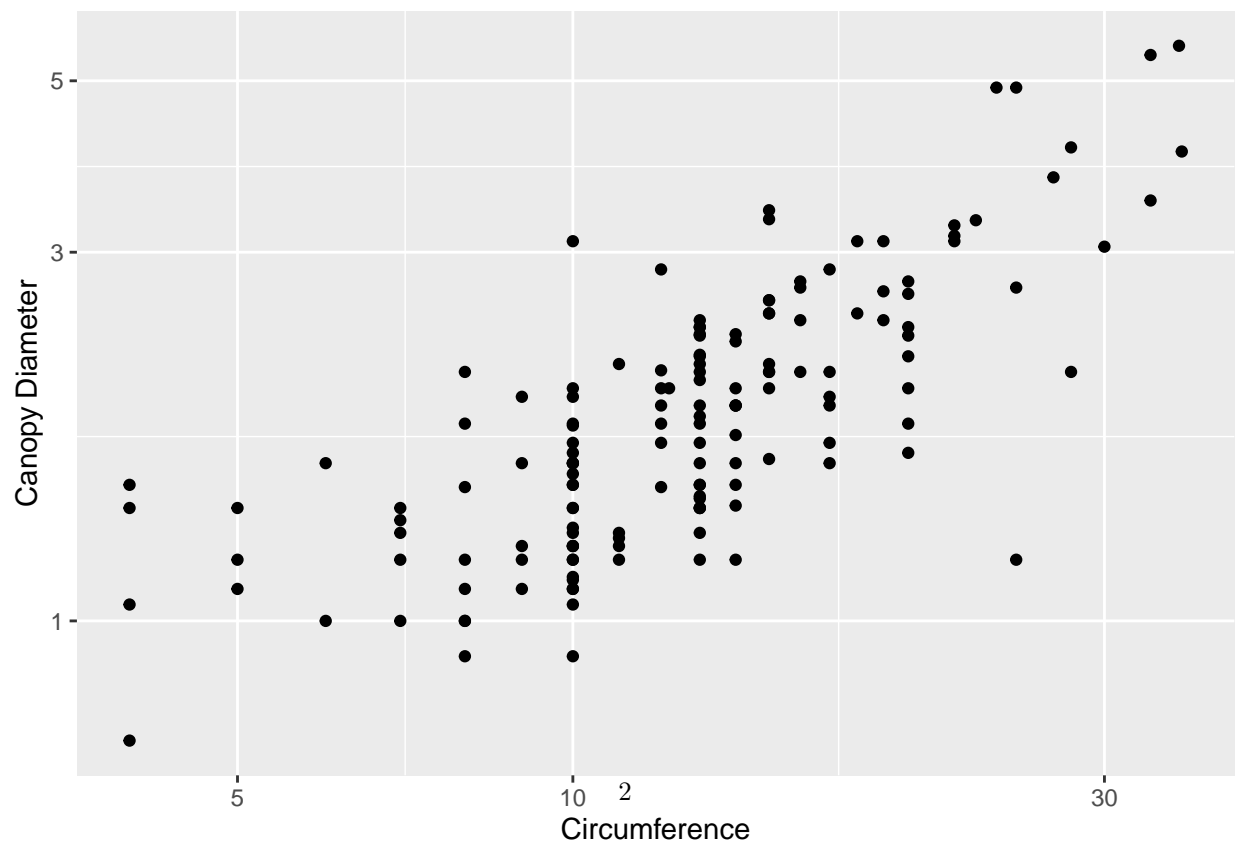
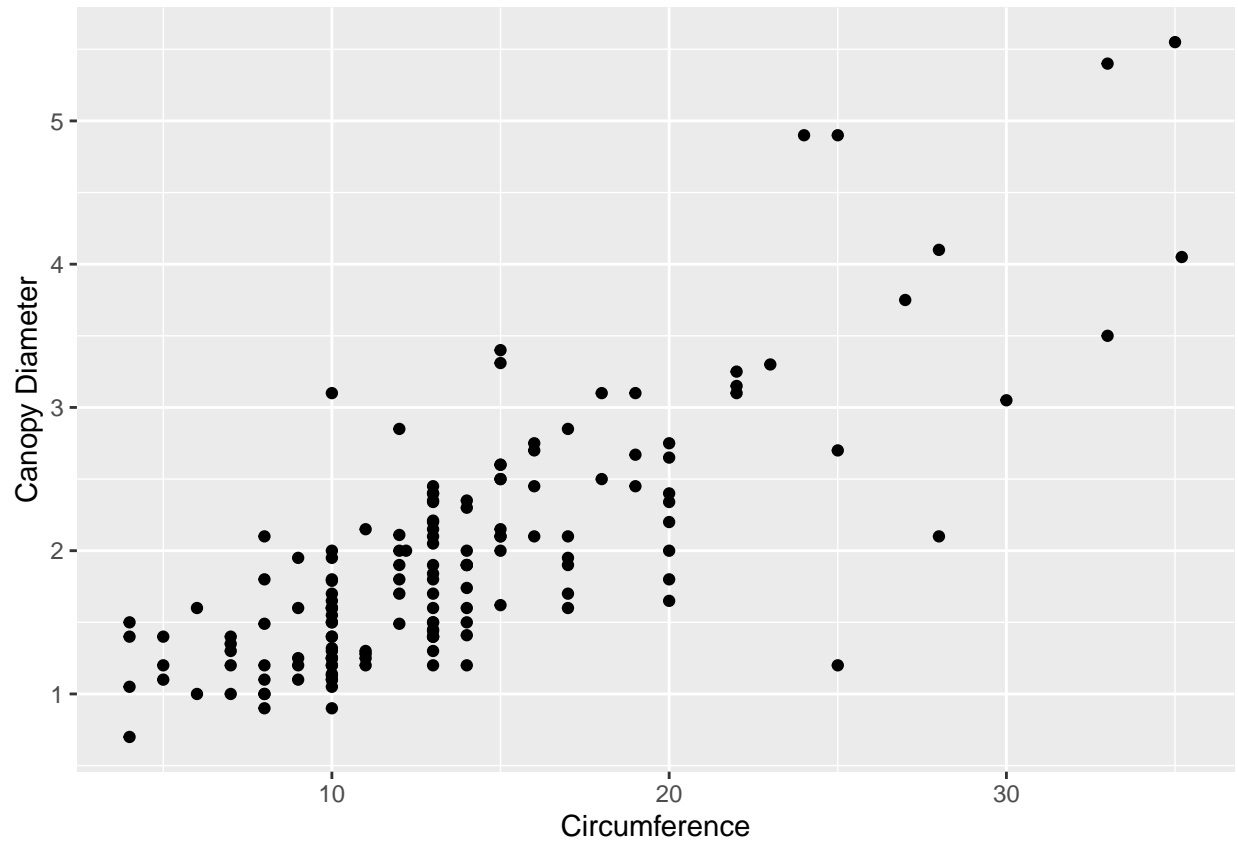
Week 5 Assignment

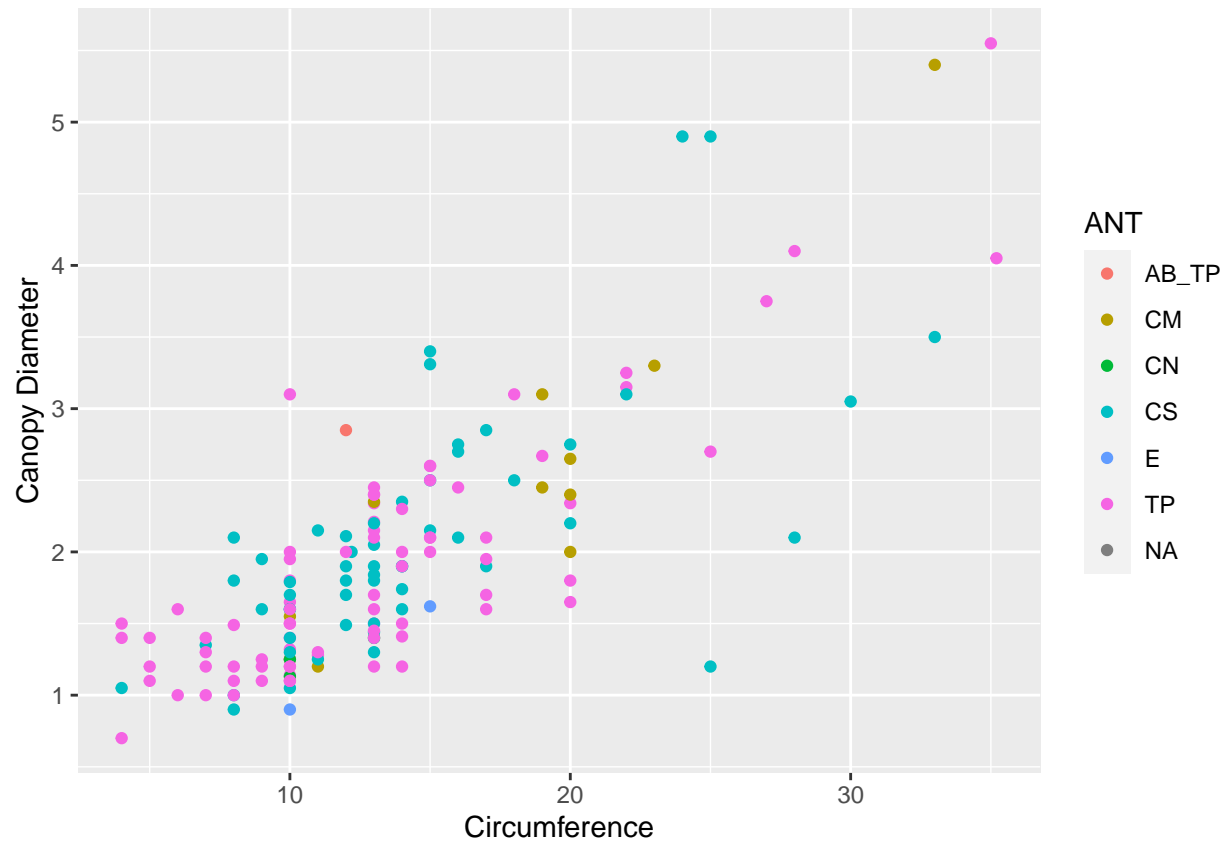
Ellen Bledsoe

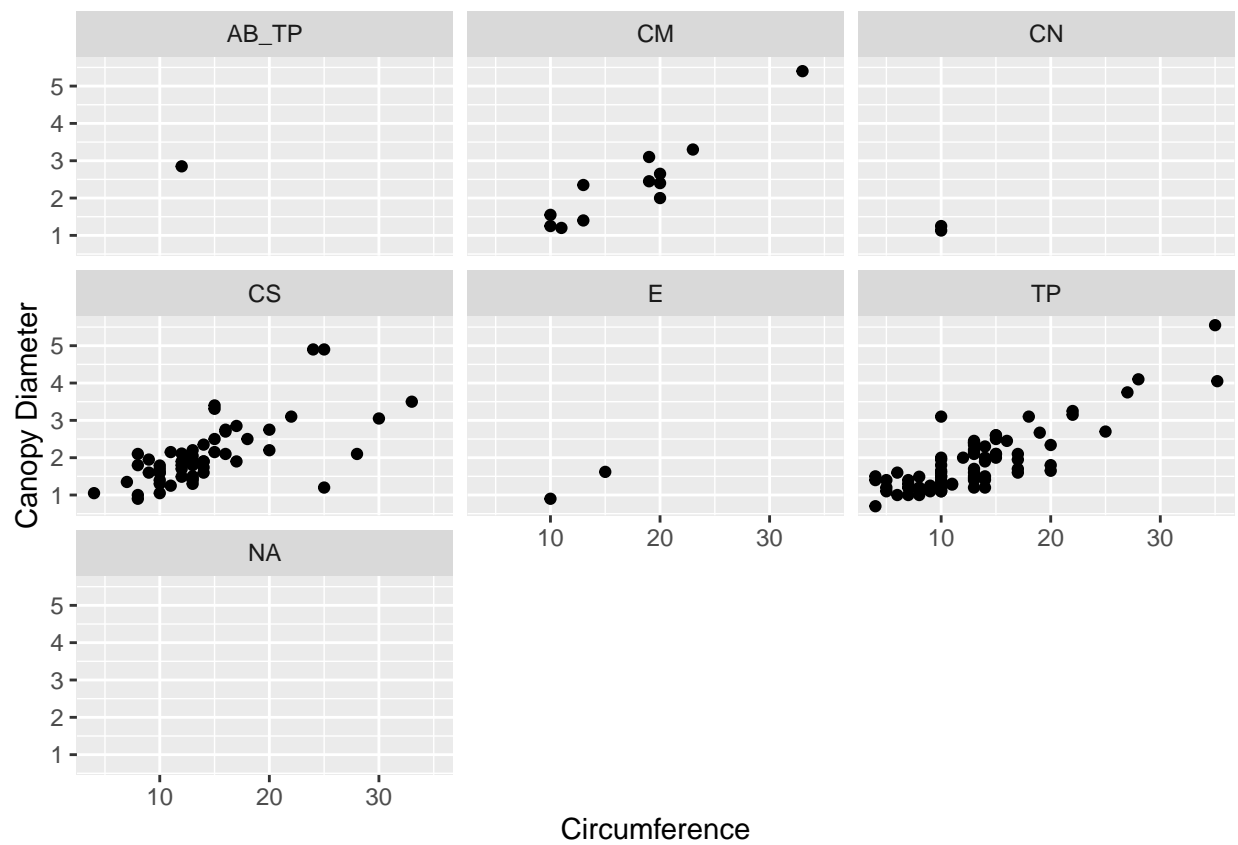
2024-02-12

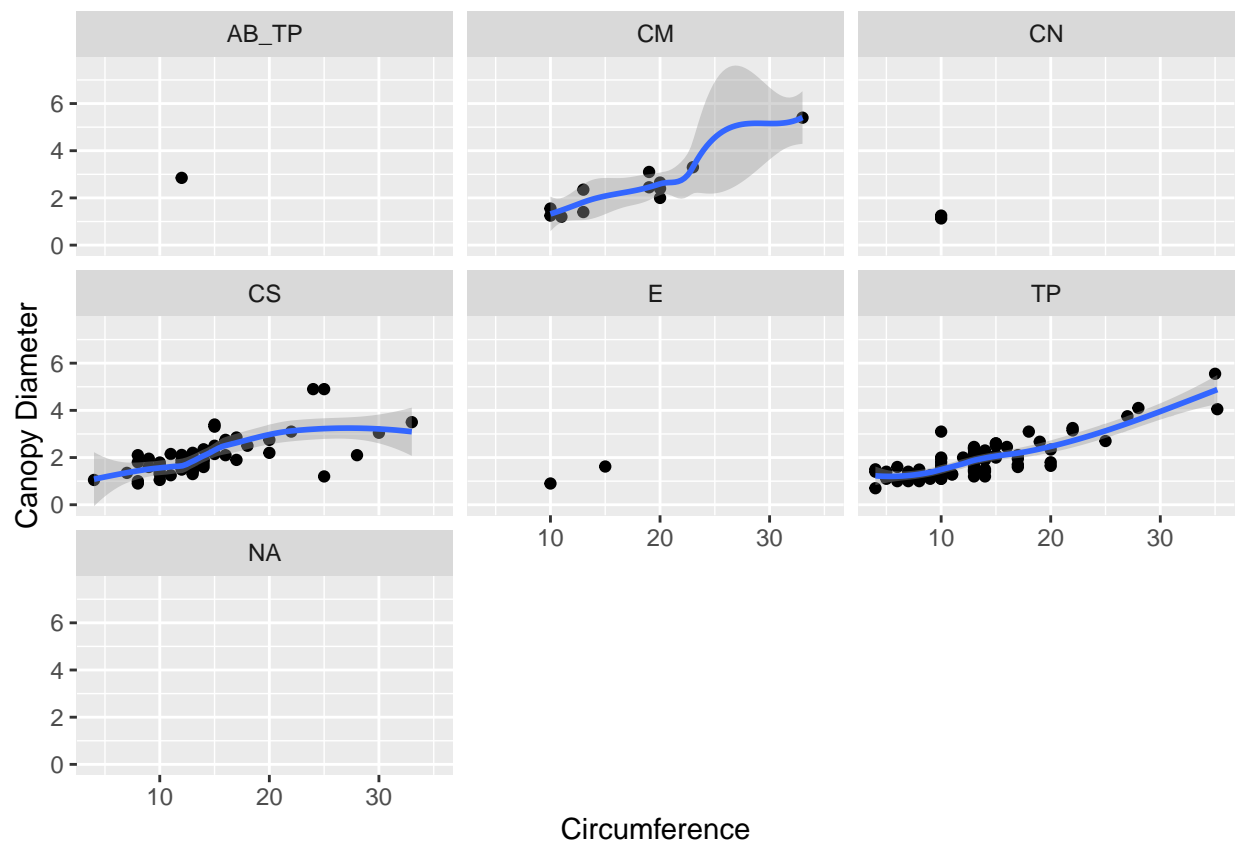
Week 5 Assignment

1. Acacia and Ants (20 pts)

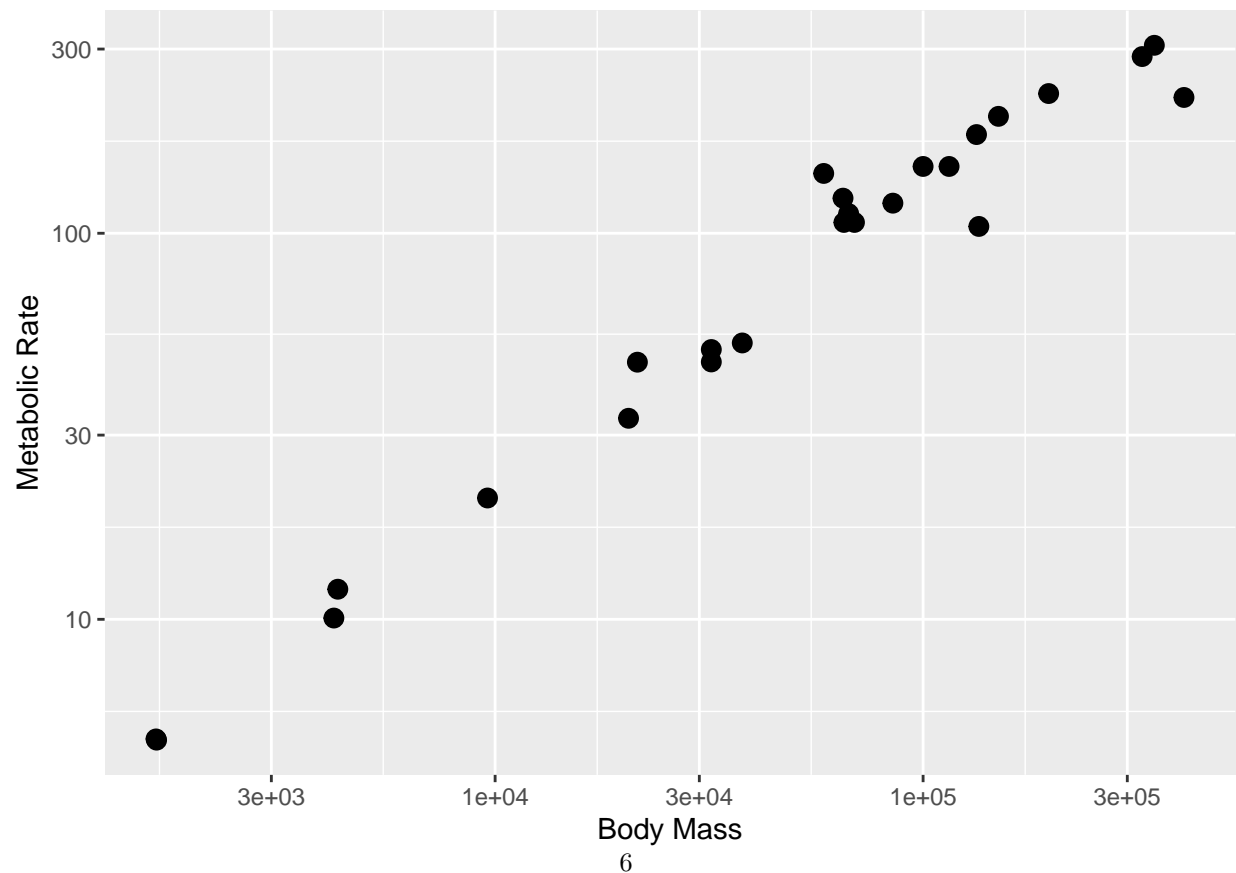
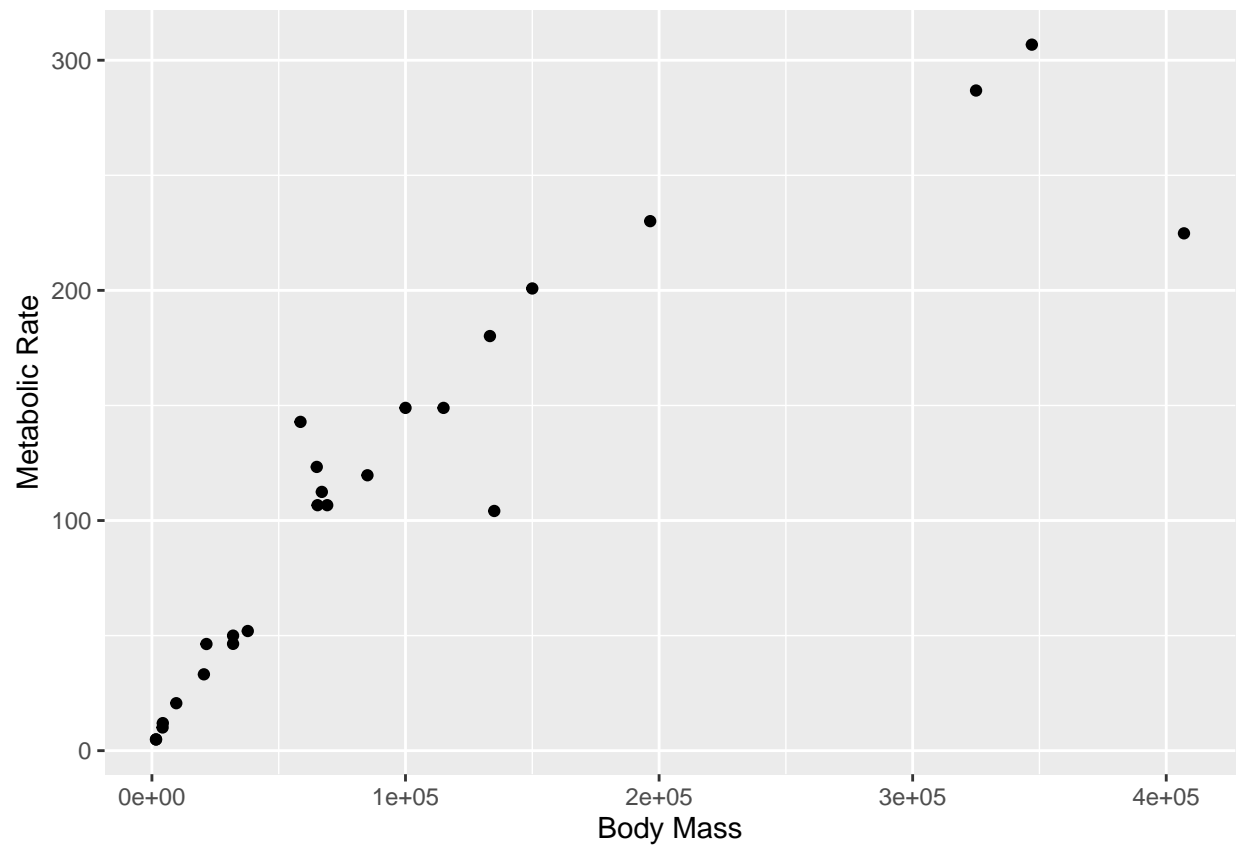


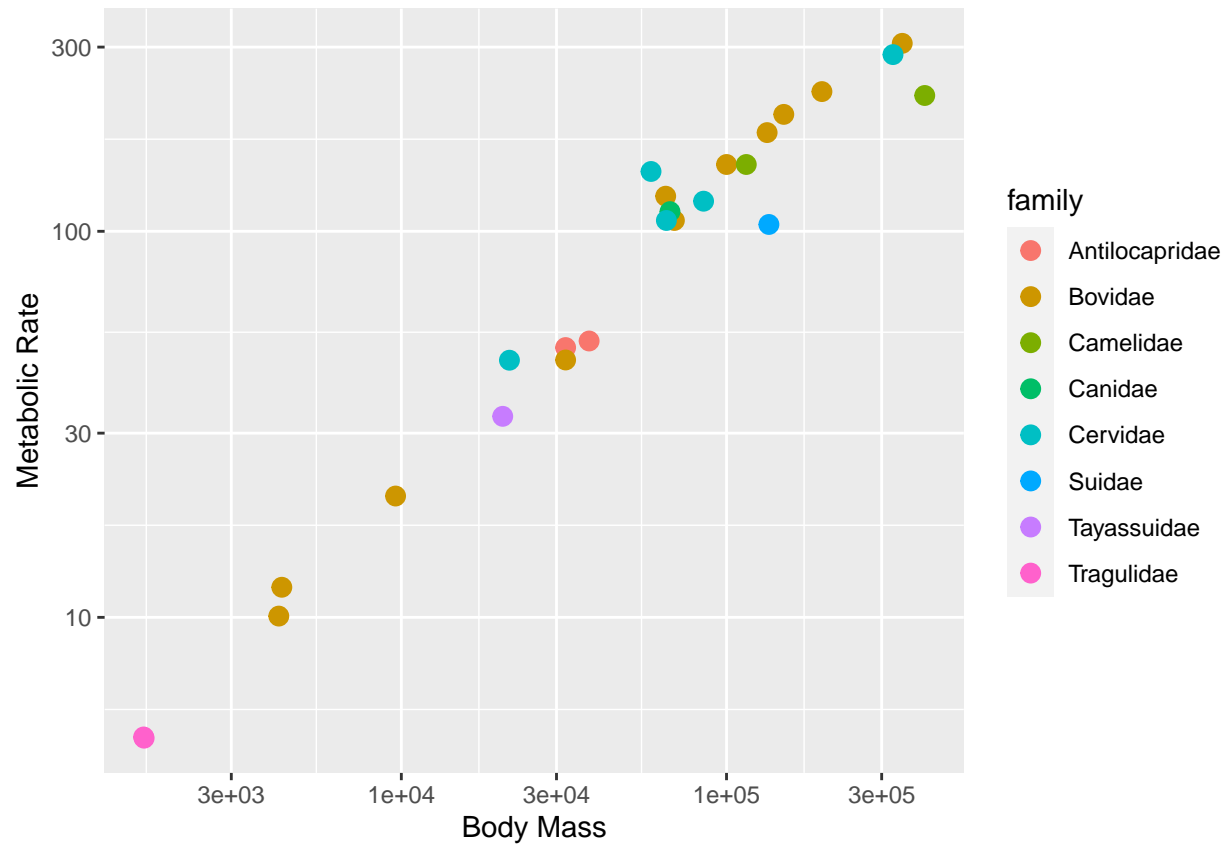


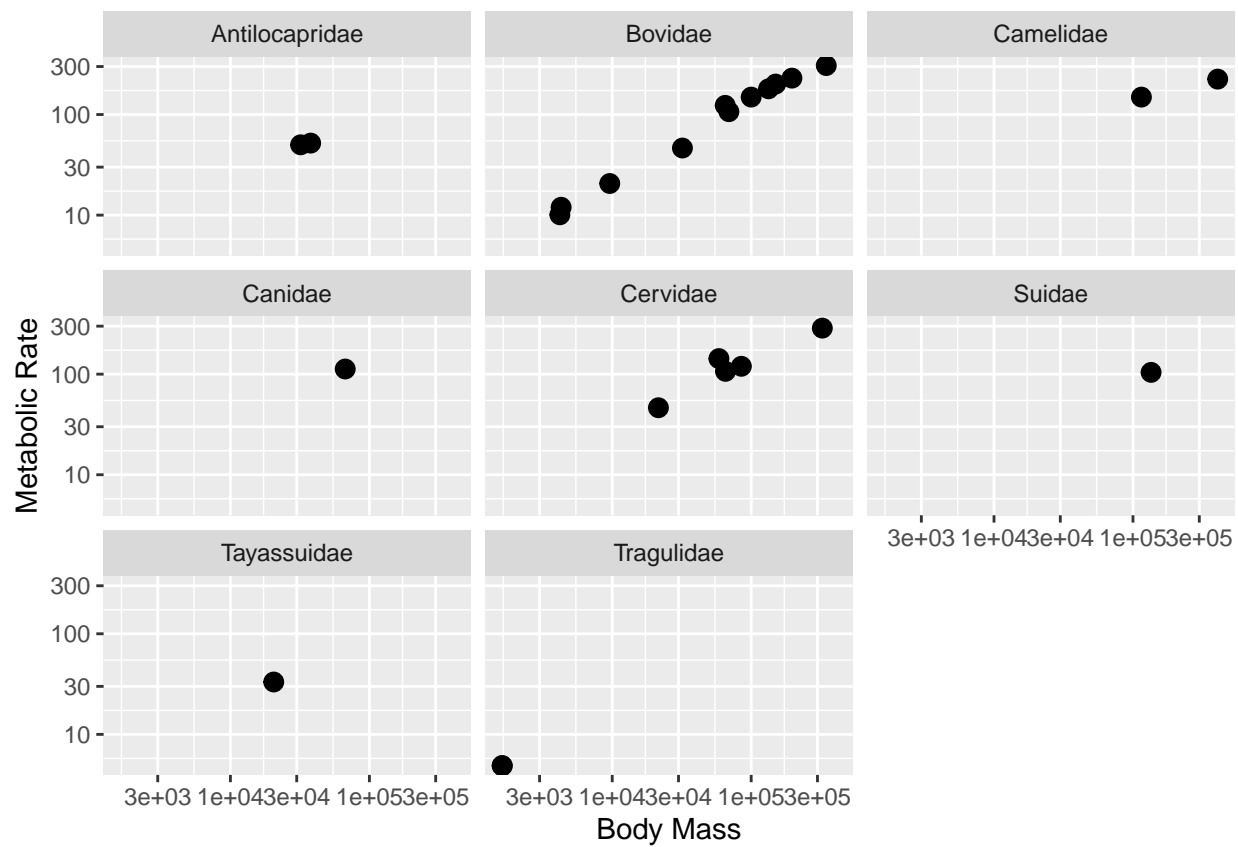




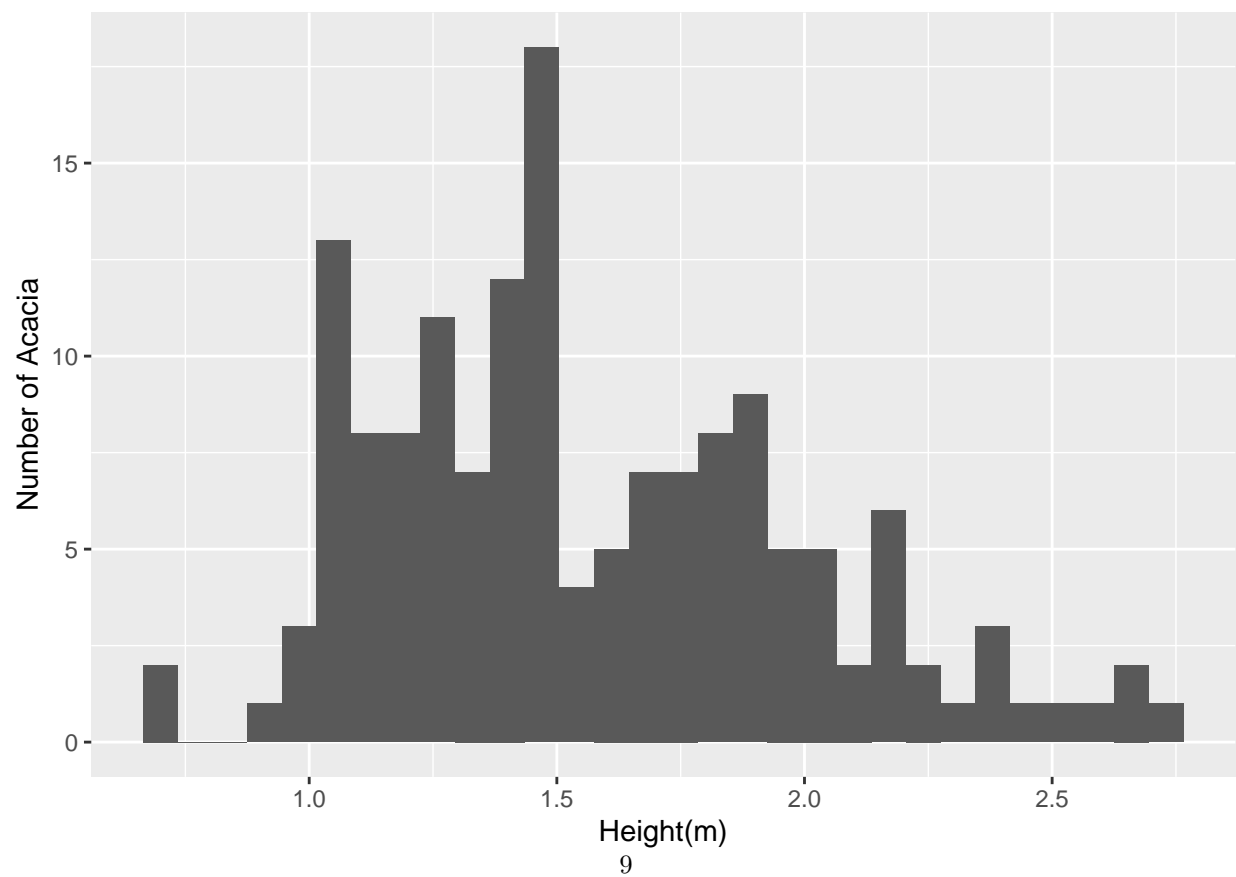
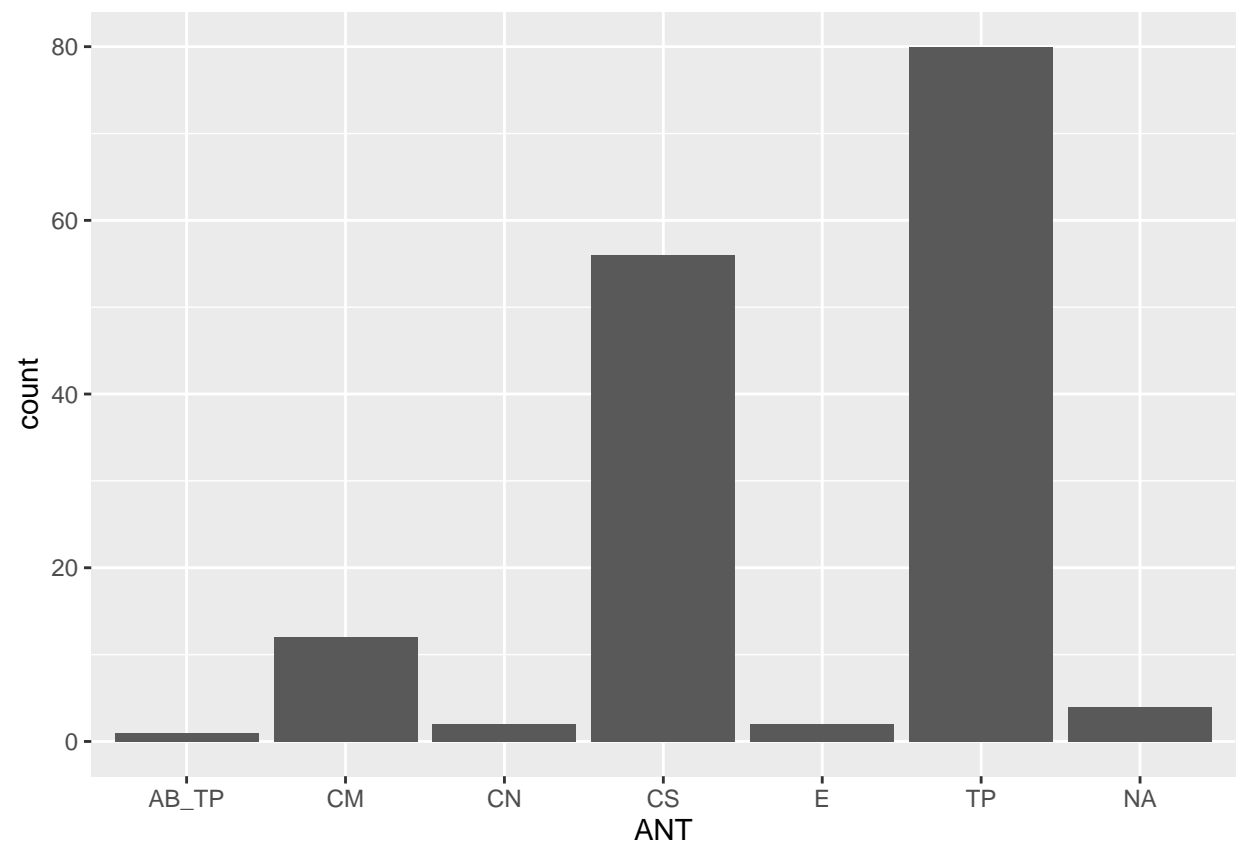
2. Mass vs. Metabolism (20 pts)

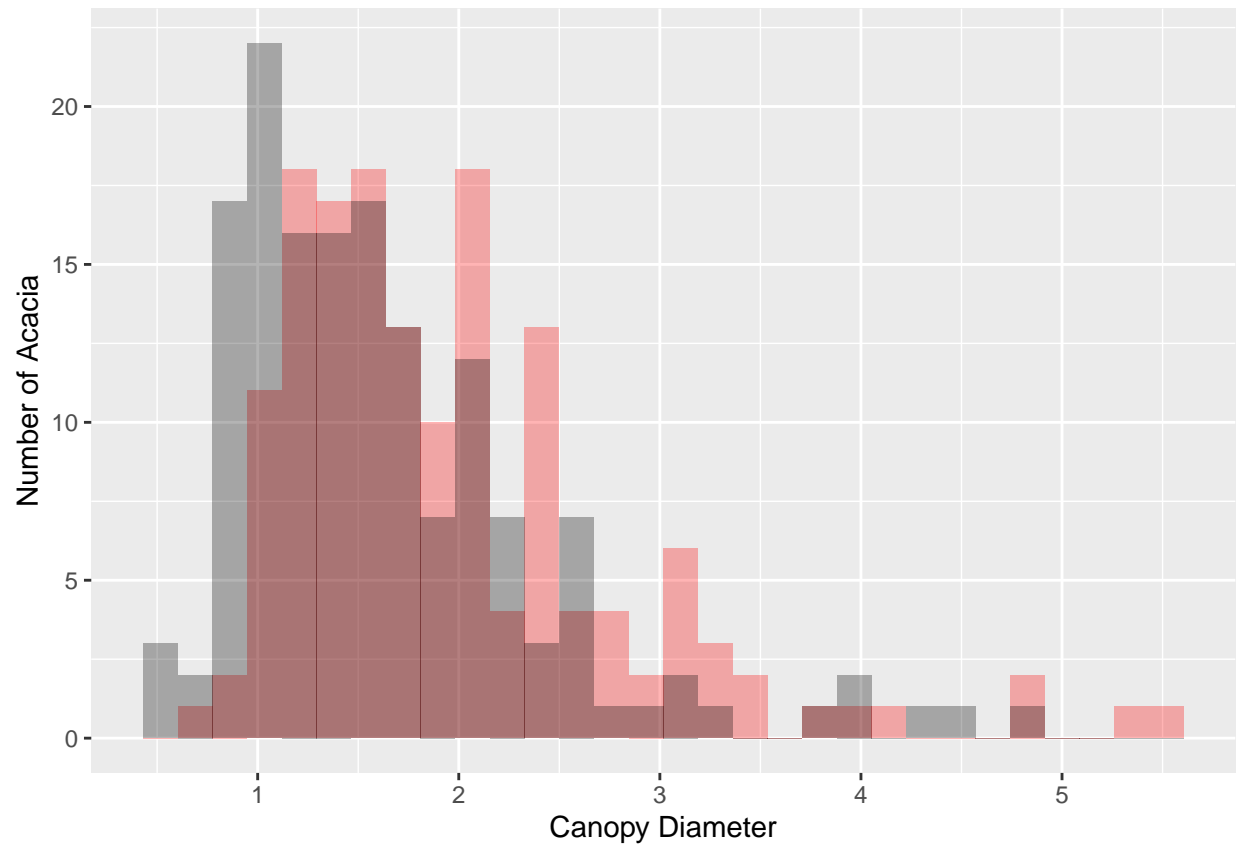


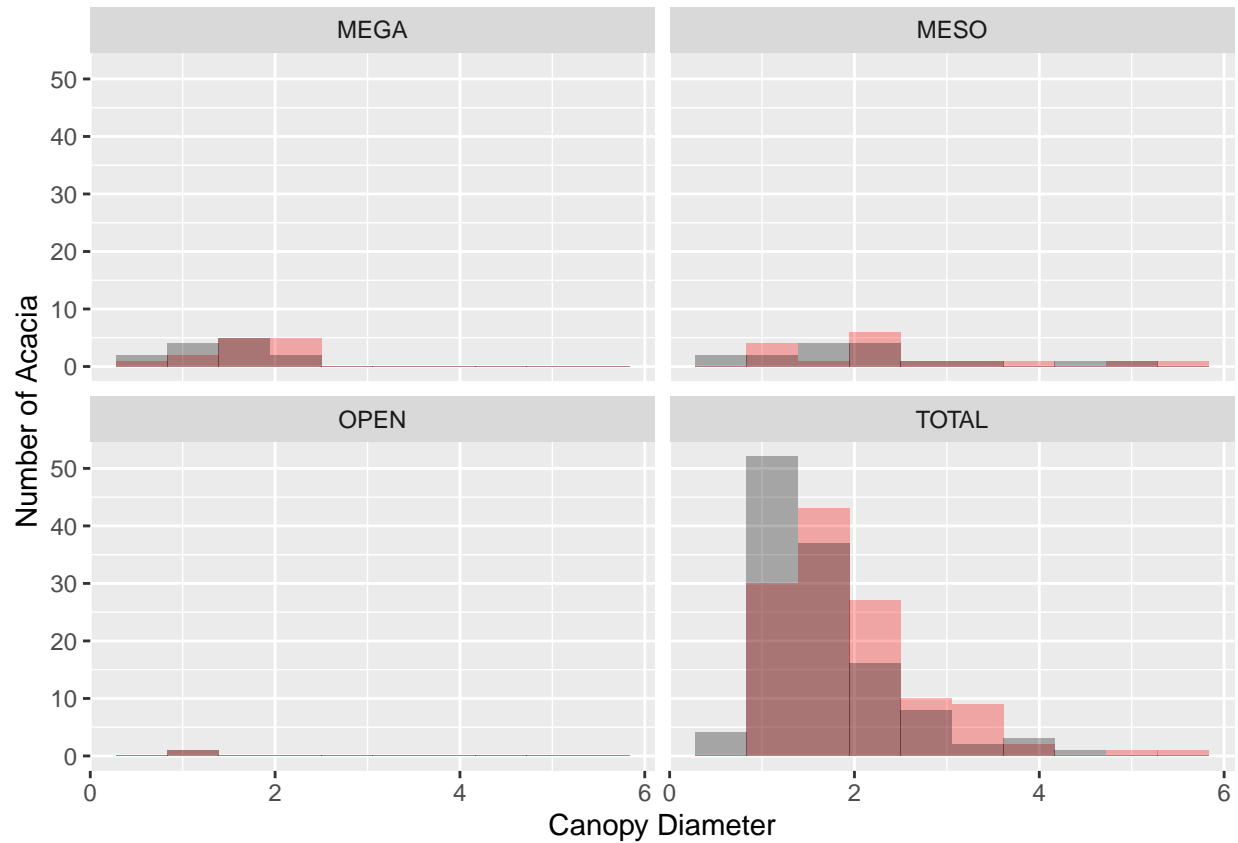




3. Acacia and Ants Histograms (20 pts)



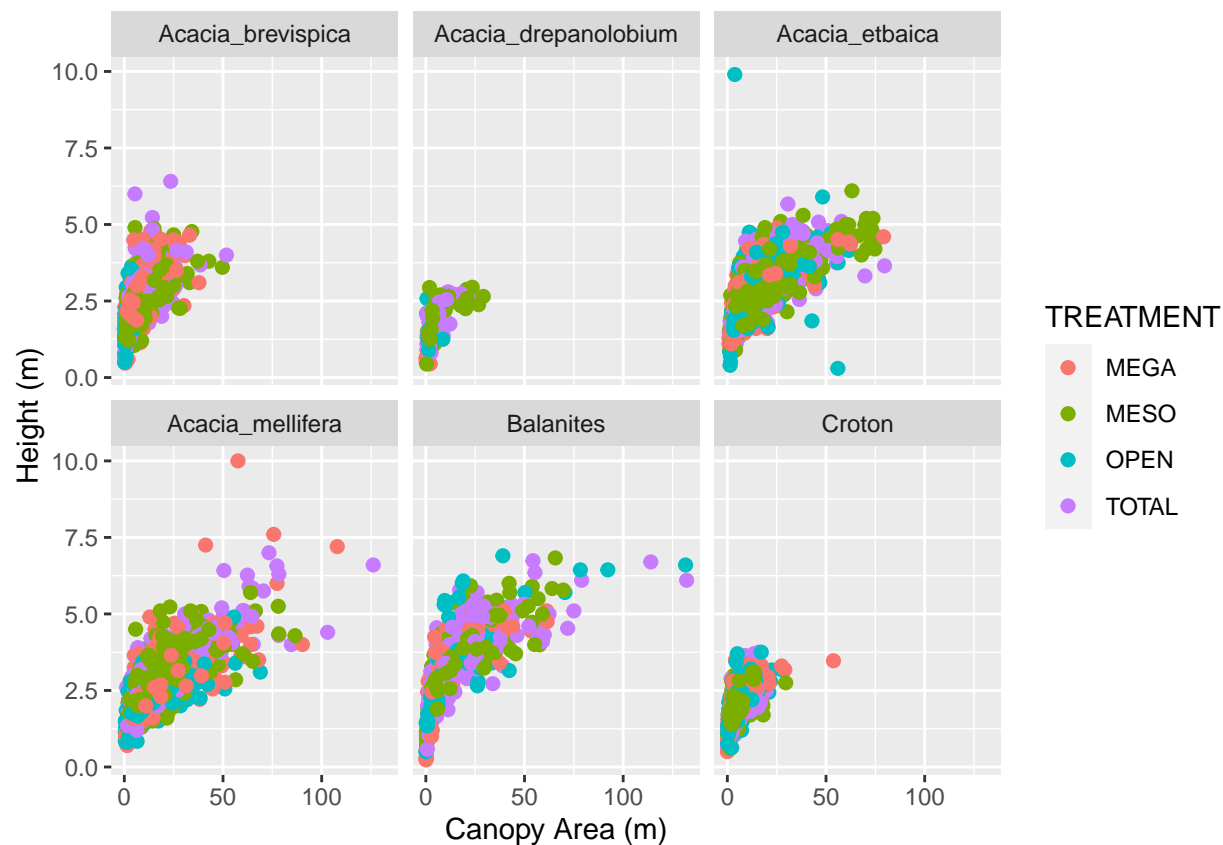




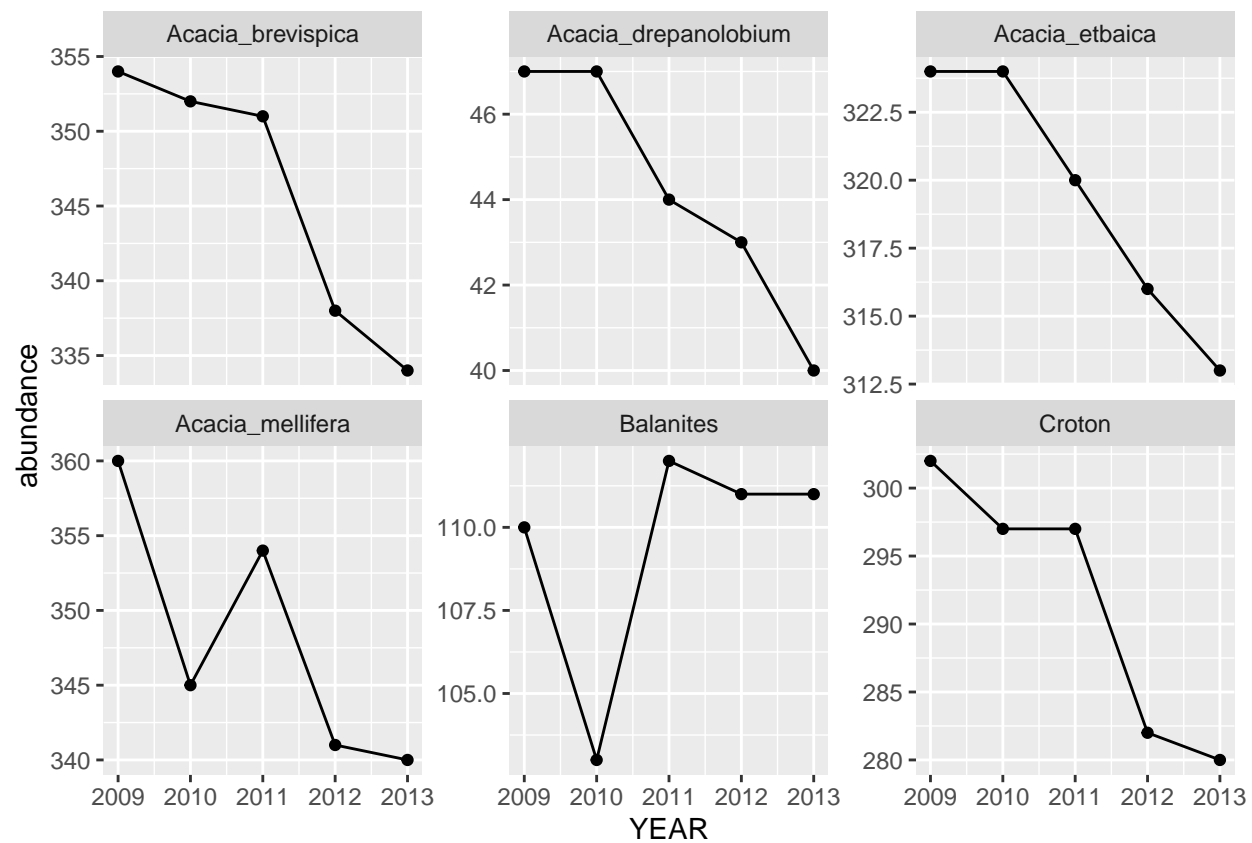
4. Acacia and Ants Data Manipulation (20 pts)

```
## # A tibble: 7,508 x 4
##   SURVEY YEAR SITE canopy_area
##   <dbl> <dbl> <chr>      <dbl>
## 1     1     1  2009 SOUTH      30.5
## 2     2     2  2010 SOUTH      69.7
## 3     3     3  2011 SOUTH      79.6
## 4     4     4  2012 SOUTH      39.0
## 5     5     5  2013 SOUTH      40.8
## 6     1     1  2009 SOUTH       6.16
## 7     2     2  2010 SOUTH       7.29
## 8     3     3  2011 SOUTH      12.5
## 9     4     4  2012 SOUTH      NA
## 10    5     5  2013 SOUTH       9.62
## # i 7,498 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)

