



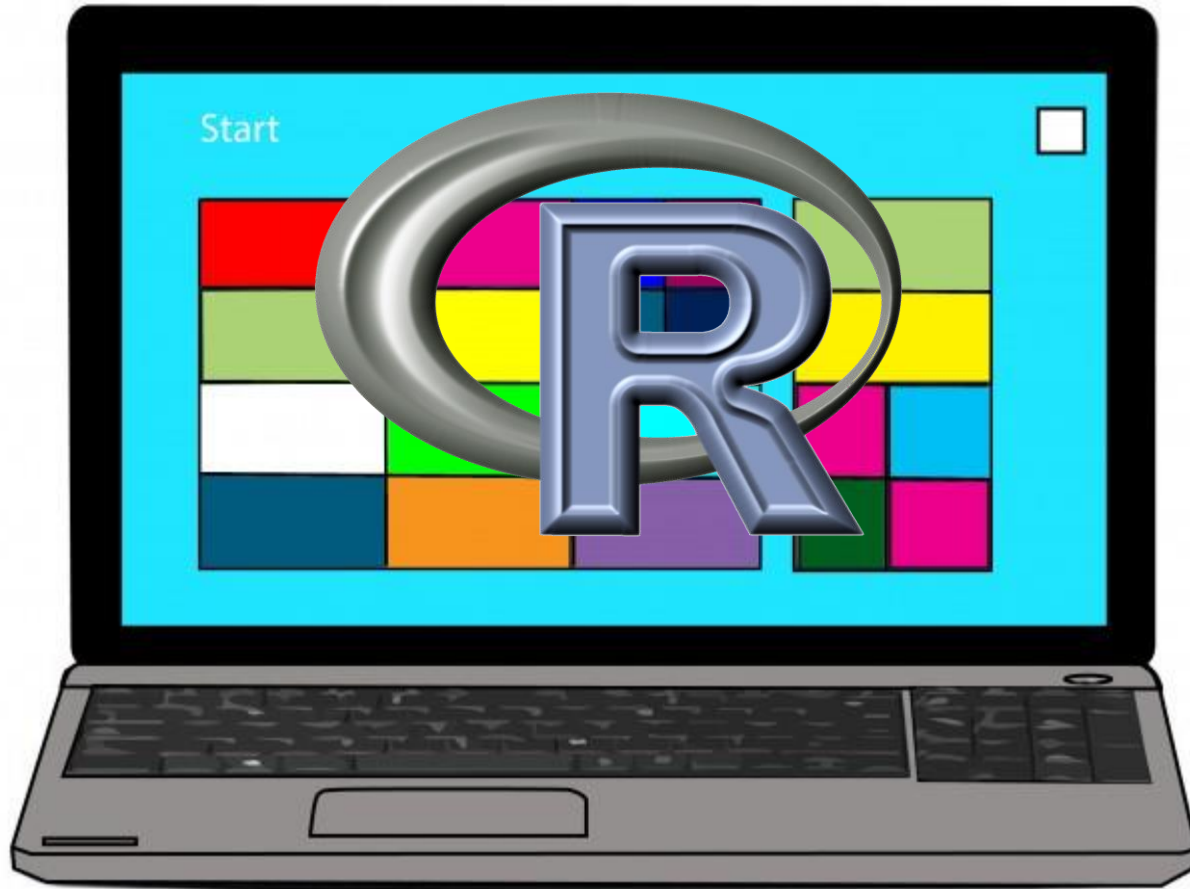
Statistics and R

part 6: Functions and Lists

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Bring your laptop.



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Today

- Objects
 - We will look at how to access list objects
 - Complete the SPRUCE problem
 - Use Quadratic model and access an lm object with appropriate code.



Functions and objects

Lists will often be used as the method to return different objects to the console.

These objects should be accurately probed for information.



Lists

```
quad.lm=lm(Height~BHDiameter +  
I(BHDiameter^2),data=spruce.df)  
# How we can access the parts of quad.lm  
names(quad.lm)  
quad.lm[["coefficients"]]  
# or  
quad.lm[[1]]  
# To get the third term  
quad.lm[[1]][3]
```



An example (cont.)

- SLR using spruce data.
- See statsandr.oucreate.com

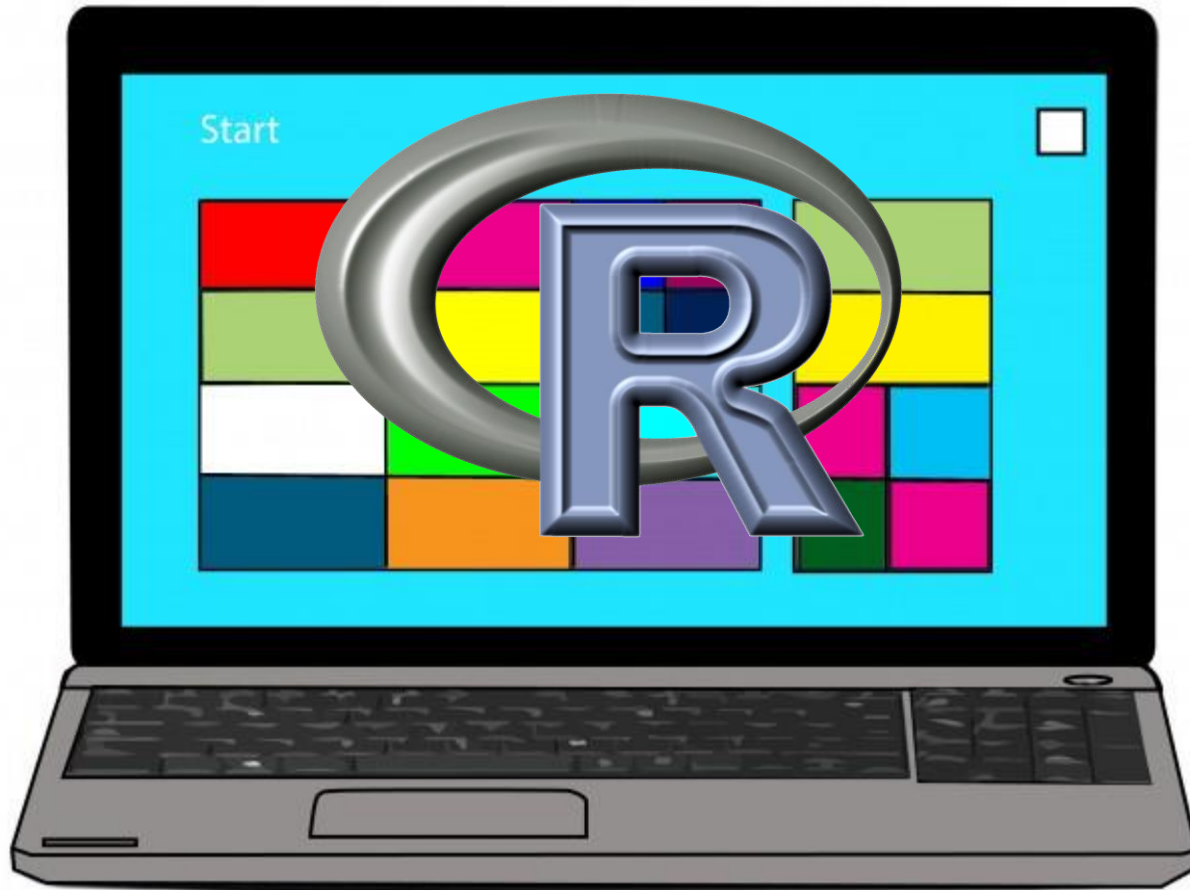


Courses

- **Bayesian Stats MATH 4803/5803**
- Advanced Applied STATS MATH 4793/5793
- Applied Statistical Methods MATH 4753



Next time bring your laptop.



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