R Introduction

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- Free!

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- A huge user/developer community of mostly academics.

Major Characteristics

- Object-Oriented: everything in R is an "object," meaning that data structures, functions, created objects are all visible and can be manipulated by name.
- Visible Environment: you see the list of objects you create or download in your R environment window.
- Visible Objects: what is *inside* the objects is revealed when you type the name of the object.
- Functions: there are millions of functions in R (really!), and you can create your own as well.
- File Coherence: when you quit R you will be asked if you want to save your environment (you generally do), and if you say no every object created will be gone.

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- Local ways to get help in your `R` environment:

```
help(ls);       ?ls
help.search()
args()
View()
browseEnv()
search()
date()
summary()
demo()
```