R Programming Language
Getting Started

- Go to https://www.r-project.org/ to download and install **R** (version 4.5.2) on your device.
- Go to https://cs.wmich.edu/~mckean/hmchomepage/Pkg/ to download the package **hmcpkg**
- In **R**, select "Packages" from the tool bar. On the pull down, select "Install packages from local file(s)" and select the downloaded **hmcpkg** to load.
- One of the files is hmcpkg is **bb.**
- Open **R** and at the > prompt, type in **library(hmcpkg)** and enter to notify **R** to make **hmcpkg** accessible.
- On the next prompt line, type in **bb** and enter to list the data in the file **bb**. You'll notice that the fourth column of the data is labeled **weight**.
- On the next prompt line, type in **bb$weight** and enter to see a vector with only that column's data.
- On the next prompt line, type in **mean(bb$weight)** and enter to get the sample mean.
- On the next prompt line, type in **sd(bb$weight)** and enter to get the sample standard deviation.
- On the next prompt line, type in **hist(bb$weight)** and enter to get a histogram.
- On the next prompt line, type in **boxplot(bb$weight)** and enter to get a boxplot.
- To enter your own data – say the values 1, 5, -7, 8, and 10 – go to an **R** prompt line and type in **mydata <- c(1,5,-7,8,10)** and enter. Then on the next prompt line, type in and enter **mean(mydata)** to get the sample mean, etc.
- Go to https://cran.r-project.org/doc/manuals/r-release/R-intro.pdf and download the 103-page manual as a reference.