* Chapter 1: Introduction to R
  + What is R?
    - Environment + Language
      * Packages, software, data, tools
      * Perform statistical analysis and data mining
        + Tests,
        + Regression
        + Models
    - Create complex (or simple) graphs
      * r-project.org/about.html
  + Characteristics of R
    - R is an expression language
    - Can perform spot analysis and write programs
    - Highly extensible - shared packages
      * R comes with base packages such as base, graphics, stats…
      * R can be extended by CRAN (Comprehensive R Archive Network) packages such as MASS and lattice
      * A large number of contributed packages are also available.
        + Ggplot, ROCR etc
    - Publicly available sets of real world data
  + Data
    - The R datasets package provides several standard data sets
      * Ability and Intelligence tests
      * Speed and Stopping Distance of Cars
      * Quarterly Approval rating of US presidents
    - Other publicly available data sets include
      * EconData: Inforum@Univ of MAryland
        + inforumweb.umd.edu/econdata/econdata/html
      * Knowledge Archive @ Univ of California, Irvine
        + Kdd.ics.uci.edu
        + Geoda center @ Arizona State University

geodacenter.asu/datalist

* + Applications of R
    - Business
    - Economics
    - Data Mining
    - Finance
    - Mapping public opinion
    - Bio-statistics
    - Mapping biodiversity
    - Medicine
    - Social Media Analysis
    - Ecology
    - Linguistic trend maps
    - Banking
    - Clinical Data Analysis
  + R Blogs
    - R-bloggers.com
    - Statsblos.com
  + Linkedin groups
    - R-Project for Statistical Computing
    - Data mining statistics and Data Visualization
  + Other R Resources
    - cran.r-project.org/manuals.html
    - journal.r-project.org