

## Introduction to R

### Session 1: Reading in Data

Before you begin:

- Install RStudio from <http://www.rstudio.com/ide/download/> - use the standard installation.
  - Go to the course website; <http://faculty.washington.edu/kenrice/rintro/> - and locate the datasets we will be using.
1. Ensure you can read in the datasets used in the lecture, and that you obtain the same data summaries seen in the slides.
  2. Read in the `crab` data, available on the course site. This dataset describe 173 female horseshoe crabs, and contains data on their weight (in kg), width of shell (in cm), color, condition of their spines, and the number of 'satellites' they have – satellites are male crabs, who [attach to the females](#).
    - a. What is the mean number of satellites, in female crabs whose width is  $< 26$ cm, versus those with width  $\geq 26$  cm? (Hint: use the View window to help you)
    - b. Tabulate the crabs color, for
      - i. All the crabs
      - ii. Those with width  $< 26$ cm
      - iii. Those with width  $\geq 26$ cm?
  3. The `othercrab` data is also on the course site; in contains the same `crab` data, but as a comma-separated file, and has a `.csv` extension. Read in this dataset and check it is the same values as the version in Q2.