## Module 4: *Advanced Data Management and Control Structures*

**Objectives:**

* Students will demonstrate proficiency with the functions presented in chapter 5 (Tables 5.2, 5.3, 5.4, 5.6, and 5.7)
* Students will be able to write loop, if/else, and switch constructs to control program flow
* Students will be able to convert wide format data into long format
* Students will be able to convert long format data into wide format

**To Do List:**

* Read *R in Action (Chapter 5) + Reading Guide (Chapter 5)*
* Complete *R Activity Worksheet (Chapter 5)*
* Take *Quiz (Chapter 5)*
* Read the *Loop Clinic* document.

**Lecture(s):**

* TBD

**Activities**

*Complete the R Activity Worksheet (Chapter 5)*

* You’ll need to have R, RStudio, and MiKTeX installed to accomplish this activity.

**Supplemental Content**