Statistics 663: Regression Theory
Homework Set: Fall - 2017

Reading assignments

- Chapter 1: 1.1, 1.2, 1.3, (1.4*, 1.5*: optional), 1.6, (1.7 to be covered later).
- Chapter 2: 2.1, 2.2, 2.3, 2.4, 2.5. (Most of section 2.5 should be a review of material from Statistics 592. Omit the discussion of multiple correlation.)
- Chapter 3: 3.1, 3.3, 3.4, 3.8.

Homework Problems The following textbook problems are in addition to homework problems assigned during class lectures.

- Chapter 1 - Applied:
  1.2.1, 1.3.1, 1.3.3, 1.3.4, 1.3.5.f,g, 1.6.3, 1.6.4, 1.6.8, 1.6.9, 1.6.10.b

- Chapter 1 - Theory:
  1.2.2→1.2.5, 1.3.2, 1.3.5.a→e, 1.3.6, 1.3.7 (optional), 1.6.1, 1.6.2, 1.6.5→1.6.7, 1.6.10:a, 1.6.11→1.6.13.

- Chapter 2:
  2.1.2→2.1.4, 2.16, 2.21→2.24, 2.3.1.a,b (only the first 2 parts of b), 2.3.3.a, 2.3.4, 2.4.3, 2.4.5, 2.5.3, 2.5.5.

- Chapter 3:
  3.1.1→3.1.3, 3.1.5, 3.3.1, 3.3.3, 3.3.4, 3.4.1, 3.4.3, 3.4.4, 3.8.1*, 3.8.3*, 3.8.4.a,b, 3.8.5, 3.8.8
  * For 3.8.1 and 3.8.3, know how to set up the problem. You do not need to do the calculations at this time.

Note: This homework set may be updated periodically.