Homework 9

S320/520

**Upload your answers as a PDF file or Word document through the
Assignments tab on Canvas by 4pm, Thursday 5th November.**

Note: Answers should be in your own words. Answers that are the lecturer's words will not
receive credit.

This is a long homework! Start early!

1. (5 points.) Trosset chapter 11.4 problem set B part 3

2. (10 points.) Trosset chapter 11.4 problem set C parts 1–3

   Data: `http://mypage.iu.edu/~mtrosset/StatInfeR/Data/cholesterol.dat`

3. (10 points.) Trosset chapter 11.4 problem set D.

   Data: `http://mypage.iu.edu/~mtrosset/StatInfeR/Data/globulin.dat`

4. (5 points: compulsory for S520, optional for S320.) Trosset chapter 11.4 problem set E, part
   3.

   Data: `http://mypage.iu.edu/~mtrosset/StatInfeR/Data/films.dat`

   Note: For this question, you may use `t.test()` and similar high-level functions. You will be
   graded primarily on accurate statement of assumptions, explanation, and interpretation.