

Homework Solutions

Chapter 3 – Page 196

Review Exercise 59

- (a) Set the seed to 45 and then enter `rand(1,6090)` and press ENTER five times. You should get 3351, 3140, 860, 703, and 5488.
- (b) This does not quite make sense to me. The book says that the placebo effect is “a phenomenon in which receiving medical attention, even administration of an inert drug, improves the condition of the subjects.” So it is not clear to me how giving a placebo pill would *avoid* the placebo effect.
- (c) 3.4% of 4058, which is 138 people.
- (d) It is a statistic.
- (e) The null hypothesis was supported, because the results were *not* statistically significant.
- (f) It is greater than 0.05.
- (g) Yes, because they failed to reject H_0 , they could have made a Type II error.