

Homework Solutions

Chapter 3 – Page 155

Exercise 3

- (a) It is an experiment. The subjects were given specific amounts of flavonoids.
- (b) The explanatory variable is the amount of flavonoid given to the subject. The response variable is the improvement in blood flow, as measured by the brachial artery's ability to dilate.
- (c) $p\text{-value} \leq 0.05$.
- (d) Statistic. It is a numerical value that is derived from the sample.