

Homework Solutions

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Exercise 43

- (a)
 - (i) H_1 : The true proportion of females is not equal to 0.60.
 - (ii) H_1 : The average time to relief for all new users is less than the average time to relief for all standard treatment users.
 - (iii) H_1 : The true average income of adults who work two jobs is greater than \$70,000.
- (b)
 - (i) The p -value could be 0.05, i.e., less than 0.10, but greater than 0.01.
 - (ii) The p -value could be 0.001, i.e., less than both 0.05 and 0.01.
 - (iii) The p -value could be 0.15, i.e., greater than 0.15.