

Homework Solutions

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Review Exercise 70

- (a) It is an experiment because they told the subjects which movie to watch.
- (b) The explanatory variable is the movie that was watched, with levels (1) a documentary on the rainforest, (2) “The Bridges of Madison County,” and (3) “The Godfather: Part II.” The response variable was the subject’s hormonal level immediately after and 45 minutes after viewing the film.
- (c) They should randomly select individuals from the entire group and assign them to the rainforest documentary until they have roughly one-third of the group. Then randomly assign roughly half of the remaining individuals to watch “The Bridges of Madison County.” Whoever is left over will watch “The Godfather: Part II.”
- (d) The viewer were male-female pairs.