

## Homework Solutions

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#### Exercise 7

- (a) I would visit several hospital ER waiting rooms. For each one, I would observe the waiting time for direct-admit patients and for ER-admit patients. This would not be a paired sample because there is no logical way to pair the patients.
- (b) I would select a sample of Meijers customers and a sample of Kroger customers and compare the amount of money they spend on groceries. I would do this at the check-out counters. This would not be a paired sample.
- (c) I would select a sample of males and a sample of females and ask each individual how many hours a week he or she spent studying. This kind of study is very tricky because it depends on self-reporting. People will tend to give a more favorable answer. This is not a paired study.