

Math 148 - Elementary Bio Stats

Spring 2017 Homework 09

Chapter 16, pp 285-286, Review exercises 1,4,5,7,9,10

I know this next set has solutions in the back, but it's the only questions I could see that ask only about expected value.

Chapter 17, pg 290, Exc Set A, Questions 1,3

Review exercises Ch.16, p.285: Problems # 1, 4, 5, 7, 9, 10

Exercise 1 for Ch.17.1:

A game of chance has the following odds:

Win \$1.50	30%
Win \$5.00	20%
Lose \$4.00	40%
Lose \$0.50	10%

- Create a box model.
- What is the expected value for the net gain after a single game?
- What is it after 5 games?
- What is it after 200 games?

Exercise 2 for Ch.17.1:

Repeat exercise 1 for Ch.17.1 above for the following odds:

Win \$1.50	30%
Win \$5.00	20%
Lose \$4.00	20%
Lose \$0.50	30%

All answers must be typed by computer.

You may do drawings by hand in case you choose to provide any. **Use a ruler!**