

# Math 148 - Elementary Bio Stats

## Spring 2018 Homework 02

Exercises Ch.2 on p.35: Problems #4, #6, #28, #30, #34.

Exercises Ch.3 on p.74: Problems #2, #24, #34, #40, #56.

**Summation exercise:** Given the data  $x_1 = 2$ ,  $x_2 = 8$ ,  $x_3 = 3$ , and  $x_4 = 7$ ,  
compute  $\sum (x_i - \bar{x})^2$ .  
Do not just give the result but provide the formulas with the data values plugged in. **Hint:** You first need to compute  $\bar{x}$ . Write down that formula too!

Note that the page number references are taken from the instructor's edition and they may be slightly off.

You may do the summation exercise by hand but **all answers to the textbook exercises must be typed by computer**, except that you may do drawings by hand (**use a ruler!**). Note though that it would be easier and faster to use a program like Excel or StatCrunch to create bar charts, etc.

Note on DVB homework: Assignment MATH-148-CH-02 has been published concurrently with this assignment. It will not be graded and its purpose is to provide you with additional opportunities for practicing.