**Question 6.1: Units of K**

Based off of Hooke's Law and using dimensional analysis, what should the SI units of k be? (Let F have units of Newtons, and x have units of meters).

1. M
2. m/N
3. N\*m
4. N
5. N/m

**Question 6.2: What about spring 2?**

Follow the exact same process for the spring 2 data in the Excel spreadsheet. What is the spring constant for spring 2? Hint: make sure that you set the y-intercept = 0 so that you get the same answer I did! Also, round to 1 decimal place. It doesn't make sense to include those non-significant figures. There is no way our measurements had that much precision.

**Question 6.3: Unit practice**

The elevation of Fort Collins is listed at 5003 feet. Take a minute to take out a piece of paper, look at your conversion sheet, and convert this elevation to meters. This is a good brain workout review! Don't skip it!

**Question 6.4: Atmospheric pressure in Fort Collins**

Using the mathematical model we just developed for atmospheric pressure, what is the predicted atmospheric pressure in Fort Collins, Colorado?

**Request for Feedback – Chapter 6**

What do you think about the content of this chapter? This was the last chapter in which we will cover Excel. Did you learn anything new? Do you need to do some more practice? Do some personal reflection.