IFS 104 Chapter 2 Homework

This homework focuses on the material presented in Chapter 2 of our textbook. Use the concepts and examples in this chapter as your guide.
Please save your files in the `homework2` folder on your k: drive.

Preparation
Details… due Fri Feb 9, 2007 and worth 2 points

Go:
1. Complete the "Blue Chip Stock Club" example in Chapter 2 from page 66-127. Please put your name in a cell somewhere, print out the main page and bring it with you.

2. Read Chapter 2 and submit your notes… focus on major topics, definitions, and "What You Should Know" on page 127.

Postscript
Details… due Mon Feb 12, 2007 and worth 2 points

Go:
1. Complete "In the Lab 1 – Illiana Custom Homes" on page 132.

2. Complete "Cases & Places 3 – Super Store Furniture" on page 142.

3. Even in these frigid temperatures, Naperville Animal Control is really struggling with the squirrel population in our fair city. They trap squirrels in selected subdivisions on the city and record how many are pregnant and their death rate. This data is in Table 1 below.

   Advanced and learned scientists from the Squirrel Eradication Unit (SEU) of the city have devised a formula to use this data to approximate the squirrel population in each neighborhood:

   ```
   Total squirrels in subdivision =
      21 * (squirrels caught + pregnant squirrels) –
          15 * death rate * (squirrels caught + pregnant
        squirrels)
   ```

   Enter the data into a worksheet and use this formula to estimate the squirrel population of each subdivision. Finally, these 6 subdivisions are merely a sample of Naperville's 92 total subdivisions. Use the average squirrel population for a subdivision to determine the total for all the neighborhoods in the city of Naperville.

Naperville Animal Control Squirrel Data			
	Squirrels Caught	**Squirrels Pregnant**	**Annual Death Rate**
River Woods	5	2	53%
Downtown	8	6	44%
Bonnema Woods	7	3	54%
Hobson Mill	6	4	60%
Book Road	3	1	61%
Walnut Springs	4	2	51%

Table 1

4. **Web special** – Let's import data from a cool web site. Use the `Data/Import External Data/New Web Query` menu to get started. The site I'm interested in is www.xist.org and in particular let's download the estimated population page at: http://www.xist.org/earth/population1.aspx

   Once you've imported the data:
   a. Delete that row for the entire world because it'll mess up our statistics
   b. Calculate the total, average, maximum and minimum for each population statistic (column)
   c. Format, format, format:
      o Make the font Verdana, size all text at least 12
      o Use consistent decimal places
      o Change column widths to accommodate your data if need be
      o Make it look beautiful, of course
   • Save your work to `population.xls` on the k: drive.