Tidy Data Activity

Examine the data below for various countries at various points in time. Transcribe those data into a tidy, rectangular dataset that you could analyze in Stata. You may do this using Stata's data editor, Microsoft Excel, a Microsoft Word table, a text editor, or whatever other computer application you choose. Stata or Excel is probably best.

1. The percentage of a country's population that serves in the armed forces varies considerably. In Denmark it is 0.64, in Colombia it is 1.99, in Afghanistan it is 4.37, and in North Korea it is 9.31.

2. The 2014 unemployment rate in these countries is as follows. North Korea: 4.4, Colombia: 11.6, Denmark: 7.6, United Kingdom: 7.8.

3. In 2010 those numbers were: North Korea: 4.5, Colombia: 12.0, Denmark: 7.5, United States: 9.7, Great Britain: 7.9.

4. National legislatures have increasingly high numbers of female members, but growth is slow and between-country differences are high. The following data shows increases between 2010 and 2014:

Country	2010	2014
Afghanistan	28	28
Colombia	13	12
Cuba	43	49
Denmark	38	39
Korea, North	16	16
United Kingdom	22	23
United States	17	18

5. We can also categorize countries into Democracies and Dictatorships:

Democracies	Dictatorships
Afghanistan	Cuba
Britain	North Korea
Colombia	Egypt
Denmark	
USA	

6. Denmark is a highly developed country. It scores .898 on the United Nation's Human Development Index (HDI), has 10 years of compulsory education, an HIV infection rate of 0.2%, an infant mortality rate of 3.3 and life expectancy of 79.09 years.

7. Cuba and Afghanistan differ considerably but also have similarities. Afghanistan's HIV infection rate is 0.1, Cuba's is 0.2. Afghanistan scores 0.453 on the UN HDI, Cuba's score is 0.824. Afghanistan has 9 years of compulsory education, so does Cuba. Afghanistan's infant mortality rate is 74.5, Cuba's is 4.6. Afghanistan's life expectancy is 48.28 years, and Cuba's is 78.96.