Homework assignment 01

Cut and paste the code and/or a screenshot of SPSS (or another program) to document the following tasks. Use black text (if possible) for everything you include in this document.

1. Show a documentation header. The documentation header is a description of who wrote the program, when it was written, what the purpose of the program is (briefly), and what restrictions, (if any) that you may place on the program. For SPSS, you can just type the documentation as free format text. For other programs, you might use the comment feature (such as /\* and \*/ in SAS).

2. Read the file well-being.csv into your program. Show one of the dialog boxes in SPSS (or the code in another program) you used to read in the data here.

3. Define variable labels for age, weight, and height that specifies the unit of measurement for these variables (years, kilograms, and meters). Show a dialog box or your code here.

4. Define values labels for Sex as 1 = male, 2 = Female; Smoking Status as 1 = non-smoker, 2 = smoker; and well\_being (Feeling psychologically good) as 1 = Rarely or never, 2 = Less than half of the time, 3 = Half of the time, 4 = More than half of the time, 5 = All of the time. Show a dialog box or your code here.

5. Save your data in .sav format for SPSS (or the corresponding binary format in another program). Show a dialog box or your code here.

6. Create a new variable, bmi, that represents the body mass index (weight in kilograms divided by height in meters squared). Show a dialog box or your code here.

7. Recode the sex data into a different variable with 0 = Male, 1 = Female. Show a dialog box or your code here.

8. Sort the files so all the males appear first and all the females appear second in the data. Show a dialog box or your code here. Show a listing of the sorted data.

9. Create a data dictionary for this file. The data dictionary should specify who created the file (Monica Gaddis), when it was created (date unknown), how many rows and columns are in the dataset, what format the data was originally stored in (text file with comma delimiters), the variable names for each column of data (except bmi) with a brief description of the variable. Be sure to include units of measurement and the categories associated with any number codes. Copy the information from your data dictionary here.

10. Save this document in PDF format and submit it on Canvas. Include your last name, the course number (5501) and the module number (01) in the name of your file.