This is an important HW assignment because this is where you begin to learn to use SPSS. It is important that you complete this assignment on your own. You will be using SPSS on a weekly basis and it is important that you become comfortable with it.

Please read all directions carefully. Present the HW answers in the order shown in this original document. **Please present all typewritten answers in a font color that is not black.**

Enter the data found in the table below into an SPSS data spreadsheet. FOLLOW THE STEPS OUTLINED BELOW. This data is an excerpt from a large secondary data set. This data includes several different types of variables.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Subject | Sex | Age  (Years) | Weight  (KG) | Height  M | Smoking  Status | Well-Being | BMI  (kg/m2) |
| 1 | 2 | 49 | 95.3 | 1.8 | 1 | 1 |  |
| 2 | 1 | 56 | 76.4 | 1.54 | 1 | 5 |  |
| 3 | 1 | 76 | 63.6 | 1.44 | 1 | 4 |  |
| 4 | 1 | 45 | 71.2 | 1.65 | 2 | 2 |  |
| 5 | 2 | 76 | 98 | 1.79 | 2 | 4 |  |
| 6 | 2 | 81 | 97 | 1.75 | 1 | 4 |  |
| 7 | 2 | 34 | 75.4 | 1.96 | 2 | 3 |  |
| 8 | 1 | 46 | 76.5 | 1.56 | 2 | 5 |  |
| 9 | 2 | 51 | 81.2 | 1.75 | 2 | 4 |  |
| 10 | 1 | 58 | 54 | 1.47 | 2 | 3 |  |
| 11 | 2 | 64 | 80.2 | 1.81 | 2 | 1 |  |
| 12 | 1 | 32 | 65.4 | 1.54 | 2 | 4 |  |
| 13 | 1 | 24 | 98.1 | 1.49 | 1 | 5 |  |
| 14 | 2 | 29 | 99.4 | 1.78 | 1 | 3 |  |
| 15 | 2 | 34 | 84.3 | 1.85 | 2 | 3 |  |
| 16 | 2 | 43 | 90.4 | 1.87 | 2 | 4 |  |
| 17 | 1 | 50 | 70.3 | 1.61 | 2 | 5 |  |
| 18 | 1 | 53 | 87.6 | 1.64 | 1 | 5 |  |
| 19 | 1 | 64 | 95.6 | 1.59 | 1 | 5 |  |
| 20 | 2 | 24 | 78.4 | 1.81 | 2 | 4 |  |

**Step 1:** Create an SPSS spreadsheet in the Data Editor.

* **Use the data set in the table above**.
* **Begin with Variable View** to set up the variables.
* Enter the variables in the order that is shown in the data set provided.
* Name the variables accordingly. When naming the variables you must include your initials. For example; for me, Subject would be *SubjectMG*.
* Code:
  + Sex as 1 = male, 2 = Female.,
  + Smoking Status as 1 = non-smoker, 2 = smoker,
  + Well-being score (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.
* **In Data view**, type in the data.
* Save the data. The name you give this data file should also include your name, the Homework assignment number, and the number 1 (Example: *Monica Gaddis HW1 Step1.sav*)
* Paste screen shots of the data spreadsheet into this HW assignment.
  + **Include screen shots for both Variable View and Data View.**
  + There are many ways to do this:
    - Press Alt PrtScn and then use Microsoft Paint to crop and copy a photo/picture that can be placed into the HW document, or
    - Use the MS Snip tool

**Step 2:** Save the data file that you just created under a different name. Example: *Monica Gaddis HW1 Copy2.sav.* This will give you an original copy and a copy to work on. Please note that you will use the original data file for the HW#2 assignment.

* Using this new copy, complete each of the following 3 exercises. **Following each of the 3 exercises, make “photos” of the newly changed data set (Variable view and Data view)** **and paste them into the HW document.** (You should have 7 “photos” pasted into the HW document for Step 2). Be sure that you have indicated clearly, which photos go with which of the 3 exercises. The “photos” should be large enough that the individual data points within the tables can be read.
* **Exercises:**

1. Create a column of data that is BMI (BMI = kg/m2)
   1. You must do this in SPSS
   2. Create a screen shot of the equation that you made in *Transform>>Compute Data*
   3. Create screenshots of the variables and data in Variable View and Data View
2. Recode the *Sex* data. 0 = Male, 1 = Female
   1. You must do this in SPSS
   2. Create a screen shot of the recode that you did in *Transform>>Recode into Different Variable* and screen shots of the data and variable list in Data View and Variable View
3. Sort the file so that all males appear first (Rows 1-10 )and all females appear second in the data (Rows 11-20)
   1. Create a screen shot of the sort.