PSY 2201 Psych Statistics QUIZ 1 ***Fall 2021***

Enter the following data into your SPSS for Windows program. Enter value labels and recode string variables to numeric.

ID#	Gender	College Year	Weight	# credits	Race	VSAT	GPA
1	M	1	185	30	AA	690	3.8
2	F	1	132	26	C	430	2.8
3	M	2	194	46	H	650	3.6
4	F	1	121	21	H	620	3.4
5	M	3	173	80	C	640	3.5
6	F	2	151	36	AA	480	3.1
7	M	1	162	18	C	580	3.8
8	F	3	163	83	H	520	3.7
9	M	2	174	54	C	460	2.7
10	F	2	148	60	H	500	3.0
11	M	4	159	112	AA	410	2.8
12	F	2	161	56	H	490	3.0
13	F	4	171	96	AA	680	3.6
14	F	2	158	48	H	480	3.0
15	M	1	184	21	AA	650	3.5

50 pts

PART 1 ENTER THE DATA

a) Enter the above data into SPSS
b) Be sure to import or enter the variable names
c) Recode string variables (Gender, Race) into numeric. Adjust decimals (only GPA has 1 decimal).
d) Create value labels for nominal and ordinal variables:

- Recode Gender string into Gender_Numeric (or Gender_Recoded) add value labels 1=Female, 2=Male;
- Recode Race into Race_Numeric (or Race_Recoded)
  - AA → (value1) African American, H→(value 2) "Hispanic," C→ (value 3) "Caucasian
- Label College Year: 1 - First Year, 2 - Sophomore, 3 - Junior, 4 - Senior
- Set up TYPE of Variable. (Level of Measurement) as Nominal, Ordinal or Scale in Variable View
- Save your Data file. "yourname QUIZ1.SAV" file to submit

PART 2 ANALYSES 50 pts

1. Perform **Descriptive analyses** for all variables (except do not analyze ID#).
   Show appropriate descriptive frequency tables for Nominal/Ordinal, and the Means/SD for Scale variables.

2. Create a **Pie chart** for **College Year.** Show percentage (%) of students in each college-year (slices). Show both the percentage and group in a label inside each slice. Add a descriptive title to your graph.

3. Create a **Bar Graph** showing the mean GPA for students in each **RACE** (race_recoded) category. Show the mean of each group in data labels within each bar. Add a descriptive title to your graph.

4. Create **means tables** for: Mean Weight by Gender (male/female)
   a. What is the mean weight of the males: _____ and females _____
   b. What is the mean GPA of African American Students _____

5. **Select** only the MALE subjects (select cases. Gender =2). Create a Scatterplot of VSAT with GPA
   a. What is the **correlation** between the males VSAT and GPS scores? _____

INCLUDE YOUR NAME in filenames and SUBMIT.SAV and .SPV files