**SOCI 311—Syed Hammad Ali**

**Spring 2020**

**Lab #1: Section A**

**Total Marks: 20**

This and all future lab 1 assignment sections (B, C, D) should be submitted to the appropriate folder in dropbox through D2L on ***Thursday May 21st before the lab session***. The appropriate folder will be given the name of the lab (e.g., the folder for lab 1 will be named “Assignment: lab 1.”) All sections of the assignment should be submitted in a single Word format document. ***Assignment not submitted in Word format will be considered not submitted.***

***Questions***

1a. Question K9a in the **mail-in** portion of the MIDUS asks how many times in a typical month the respondent attends religious services. Please note that this is variable a1sk9a. Create a new variable based on this measure that drops missing responses. Call this variable “attend.” Paste your syntax and a tabulation from Stata for the variable both before and after coding.

1b. Based on this output, how many attended religious services 12 times in a month? **[1 Mark]**

1c. What percentage of respondents attended twice a month? **[1 Mark]**

1d. Fill in the blank: 98.74% of respondents attended religious services \_\_\_\_\_\_\_\_\_\_or fewer days. **[1 Mark]**

2. Here are two research studies. Which is an example of inferential statistics? Which is an example of descriptive statistics? Explain why.

a) Based on a national sample of colleges, a researcher argues that a majority of college students want more chocolate available on campus. **[2 Marks]**

b) A researcher examines all U of C students and find that 25% are satisfied with the amount of chocolate available in campus food options, while 75% believe that more chocolate should be available. **[2 Marks]**

3. The Calgary Herald reported in August of 2015 that two-thirds of Calgarians supported Uber operating in the city. Is two-thirds most likely the value of a statistic or of a parameter? Why? **[2 Marks]**

4. The researchers in study (a) in question 2 also examined the height of the students, the number of family members in their homes, how many miles they lived away from the school, and how many times they had eaten chocolate with dinner in the last month. Which of these variables are continuous and which are discrete? Explain why. **[2 Marks]**

5a. The MIDUS dataset records respondents’ response to the following question: “Are you married, separated, divorced, widowed, or never married?” Please note that this is variable a1pb17. Paste syntax and output for a tabulation of responses to this variable, and also indicate if there are any missing responses to this question. **[3 Marks]**

5b. What percentage of the respondents in the MIDUS are married? **[1 Mark]**

5c. How many people in the MIDUS have never been married? **[1 Mark]**

6a. Use Stata to create a tabulation of marital status in the MIDUS data specifically for men, and then a second tabulation specifically for women. Paste your syntax and output as your answer. **[2 Marks]**

6b. Are a greater portion of men or women married in the MIDUS data? **[1 Mark]**

6c. Are a greater number of men or women divorced in the MIDUS data? **[1 Mark]**