

Homework 1

Name: _____

Date: _____

Use SAS OnDemand to answer the following questions regarding descriptive statistics.

Please copy and paste your SAS code to the end of your assignment.

Import the Hospital dataset from the course data in SAS on demand. **Use the dataset to questions 1-6.**

Question 1. Graphically display the distribution of the variable age and add a title to your graphical display using SAS. Please include your initials in the title. Example “Distribution of Age FS”

Question 2. Describe the distribution of the variable age based on the graphical display you created in question 1.

Question 3. Find the five number summary of the variable first temp following admission?

Question 4. What is the range, mode, and IRQ of the variable white blood cell count (WBC)?

Question 5. Graphically display the distribution of the variable service and add a title to your graphical display using SAS. Please include your initials in the title.

Question 6. Describe the distribution of the variable service based on the graphical display you created in question 5.

Use the data containing baseline information of subjects entering a health study below to answer questions 7 and 8.

Sex	Age	Cholesterol level	Smoking status
F	50	178	Y
M	61	146	Y
M	72	208	N
M	55	147	Y
F	59	202	N
M	65	215	N
F	68	184	N
F	59	208	Y
F	63	206	N
M	52	169	N

Question 7. Convert the raw data into a SAS data file. Print the data below.

Question 8. What is the mean and standard deviation of the variable cholesterol? Is there no variability, small or a lot of variability for this variable?