Homework# 6

Please provide a PDF or a Word document with the detailed steps of your work.

Exercise #1:

1. Import the spreadsheet "J:\CLASSES\STAT46\BonusGift.xls" to SAS.
2. Create a temporary SAS data file.
3. Using the If-Then statements according to the variable 'Quantity', create 2 subgroups of the variable 'Gift'.
4. Present the output table with the 2 subgroups.

Exercise #2:

1. Using the dataset "J:\CLASSES\STAT46\earthquakes.sas7bdat" , using two types of statements: SELECT statement and IF – Else-IF statements , create a new variable as follows:

MagnStrength	Magnitude
Strong	8.5 +
Medium	6 – 8.4
Weak	Low – 5.9

2. Create a Date variable using the variables Year, Month and Day. Use two kinds of formatting.
3. Present the output table with the variables: Date, State, MagnStrength.
4. Use the IF statement subset the earthquakes of Alaska.
5. Present the output table with Date, magnitude and State
6. Use the IN statement to create a variable as follows:

By_Season	Month
Winter	1 to 3
Spring	4 to 6
Summer	7 to 9
Fall	10 to 12

Present the output table with the variables: Month, State, By_Season.

Exercise#3:

Using the SAS data set "J:\CLASSES\STAT46\samples\chapter7_data\airtraffic.sas7bdat" and using the function in the Selected SAS Numeric Function write a program to calculate:

1. The number of missing values for the number of flights for each city. Which city has the maximum missing values for the number of flights?
2. The number of missing values for passenger's data for each city? Which one has the minimum number of missing values for its passenger data?