

# HOMework #8

All data sets in this Homework are in the class folder 'J:\CLASSES\STAT46'.

Please, provide a PDF or a WORD document with the program, the log and the output, for each exercise.

## EXERCISE#1:

Using your SAS data set **Bicycles**, create two temporary SAS data sets as follows:

- **MountainUSA**: consists of all observations from **Bicycles**, where Country is 'USA' and Model is 'Mountain Bike'.
- **RoadFrance**: consists of all observations from **Bicycles**, where Country is 'France' and Model is 'Road Bike'.

Print these two data sets.

## EXERCISE#2:

Using the two SAS data sets **Inventory** and **NewProducts**. Start by sorting them using **NewProducts** first (create two temporary data sets for the sorted observations). Next, create a new temporary SAS data set (**Updated**) by interleaving the two temporary, sorted SAS data sets. Print out the result.

## EXERCISE#3:

Run the following program to create a SAS data set called Markup:

```
Data Markup;  
  Input Manuf : $10. Markup;  
  Datalines;  
  Cannondale 1.05  
  Trek 1,07  
  ;
```

Combine this data set with the **Bicycles** data set so that each observation in the **Bicycles** data set now has a markup value of 1.05 Or 1.07, depending on whether the bicycle is made by

Cannondale or Trek. In this new data set (call it **MarkupPrices**), create a new variable(**NewTotal**) computed as **TotalSales** time **Markup**.

**EXERCISE#4:**

Using the **Purchase** and **Inventory** SAS data sets, provide a list of all Models (and Price) that were not purchased.