

Homework #3

Please provide the log file, the program file and the results file

Exercise #1:

You are given a CSV file called **Political.csv** containing the following variables: state, political party, and age. A listing of the file is shown below:

"NJ",Ind,55
"CO",Dem,45
"NY",Rep,23
"FL",Dem,66
"NJ",Rep,34

- a- Write a SAS program to create a temporary SAS data set called VOTE. Use the variable names: State, Party and Age. Age should be stored as a numeric variable; State and Party should be stored as character variables.
- b- Include a procedure to list the observations in this data set.
- c- Include a procedure to compute the frequencies for Party.

Exercise #2:

Repeat the previous exercise using a FILENAME statement to create a fileref instead of using the file name on the INFILE statements.

Exercise #3:

You have a text file called **Bankdata.txt** with data values arranged as follows:

Variable	Description	Starting Column	Ending Column	Data Type
Name	Name	1	15	Char
Acct	Acct Number	16	20	Char
Balance	Acct Balance	21	26	Num
Rate	Interest Rate	27	30	Num

Create a temporary SAS data set called Bank using this data file. Use column input to specify the location of each value. Include in this data set a variable called Interest

computed by multiplying Balance by Rate. List the content of this data by using PROC PRINT.

Here is a listing of the text file:

```
Philip Jones    V1234      4322.32  2
Nathan Philips V1399      15202.45 1.5
Shu Lu         W8892     451233.45 2
Betty Boop     V7677      50002.78 3
```

Exercise #4

You are given a text file called **Stockprices.txt** containing information on the purchase and sale of stocks. The data layout is as follows:

Variable	Description	Starting Column	Length	Type
Stock	Stock symbol	1	4	Char
PurDate	Purchase date	5	10	Mm/dd/yyyy
PurPrice	Purchase price	15	6	Dollar signs and commas
Number	Number of shares	21	4	Num
SellDate	Selling date	25	10	Mm/dd/yyyy
SellPrice	Selling price	35	6	Dollar signs and commas

A listing of the data file is:

```
IBM  05/21/2006  $80.0 100 07/20/2006 $88.5
CSCO 04/05/2005  $17.5 200 09/21/2005 $23.6
MOT  03/01/2004   $14.7 500 10/10/2006 $19.9
XMSR 04/15/2006  $28.4 200 04/15/2007 $12.7
BBY  02/15/2005   $45.2 100 09/09/2006 $56.8
```

Create a SAS data set (call it Stocks) by reading the data from this file. Use formatted input.

Compute the following new variables:

Variable	Description	Computation
TotalPur	Total Purchase Price	Number time PurPrice
TotalSell	Total Selling Price	Number times SellPrice
Profit	Profit	TotalSell minus TotalPur

Print out the contents of this data using Proc Print.