Stat 426

Lab 5

Spring 2021

Instructions

Complete all questions. To prepare for the randomly collected lab, follow the instructions on the class website to prepare the work for submission. These submission rules will apply to all labs throughout the semester.

Enahancing reports

You need the data files from the `data1` folder of files on BbLearn. You will need to either access the `S` drive (`S:\Courses\stat-renaes\Stat426\data2`) or to save the contents from BbLearn to save to your computer. If you are using vlab, the `data2` (and `data1` folder as well) folder can be accessed by `SAS` in vlab.

Note: yes this is the same start to the previous lab, but there are new tasks as well.

(1) Write a LIBNAME statement to provide access to the data2 folder in the S drive (the address is `S:\Courses\stat-renaes\Stat426\data2`. Call your new library Midgar (yes without a 'd' at the end)

(2) Use an `ODS HTML` statement so that you can specify any style you want your report to look like (list of styles is on the website). You need to change the style from the default

(3) Write a DATA step to read the dataset `customer_dim` to create a new data set called Work.Tifa and use the SET statement to do this and make sure you are writing it to the `WORK` library because you do not have permission to write to the `S:\` drive where the library `Midgar` is.

(4) We learned about operands in class but this next one is one that we didn't look at. Go to the help menu and in the index tab, type in sounds-like operator and read the documentation on it. Then write a WHERE statement to the DATA step to subset the data with the Customer_FirstName value that sounds like Tony

(5) Write a LABEL statement to change two of your variable names. Change customer_FirstName to `Customer*First Name` and change customer_LastName to `Customer*Last Name`. Yes, incude the astericks (the next step explains their use).

(6) Write a PROC PRINT statement to create your report; use the following code in PROC PRINT to split the new labels by the asterisk. [`PROC PRINT data=work.Deckard split='*'; run;`]

(7) Next you will read in a csv file. Call the new SAS data set NewEmployees (in the temp library WORK).

(8) Use the length statement (from several weeks ago) to make the length of the variable called "First" 12 characters, "Last" 18 characters and "Title" 25 characters.

(9) Use an INFILE statement to bring in the file called "newemps.csv" that you will need to download from the Lab link on the course website (alternatively, it is also located in the Shared drive here: `S:\Courses\stat-renaes\Stat426\data1`).

(10) Use an INPUT statement to specify the variables First, Last, Title, and Salary; don't forget to designate if a variable is numeric or categorical.

(11) Use a LABEL statement to call your variables First Name, Last Name, Job Title, and Salary.

(12) Use a FORMAT statement to format the Salary variable to using a dollar sign but with 0 decimals (there are no pennies in the dollar values).

(13) Use PROC CONTENTS to see all the formats and labels.

(14) Use PROC PRINT and make sure to include the labels (with the LABEL statement)

(15) Close your `ODS` statement