DA 6223 Quiz 2

Note: To receive credit for this quiz, submit your SAS project (.egp) file before the submission deadline on Canvas. Discussions between students are NOT allowed. You may consult lecture notes, demonstrations, exercises, etc. Good luck!

You may organize your projects as you like.

Assign the ORION library first. You may use a program or a task.

Problem 1 (9 pts)
Creating a Subset of a Dataset

Explore the **Employee_Master** table and create a subset of United States employees with salaries more than $80,000. Select only the Employee_ID, Employee_Name, Employee_Hire_Date, Salary, City, Department, and Job_Title columns. Sort the data by ascending employee name. Use an appropriate Task, i.e., Filter and Sort Task, Query Builder or Explore Data, for this job.

Then, use Characterize Data task to answer the following questions regarding this subset of employees:

- What percentage work in the Sales Management Department?
- What cities do the employees work in?
- What is the average salary?
- What is the oldest hire date?

Problem 2 (9 pts)
Creating a New Table in the Query Builder with a Simple Filter

Use the **Employee_Donations** table and create a table with employees who donated in Quarter 4 by Credit Card. (Hint: Exclude the rows if there's no donation amount) Use the Query Builder to create a query named Qtr4 Credit Card Donations and a table named Qtr4CreditCardDonations. Include these columns: Employee_ID, Recipients, and Qtr4. Label the Qtr4 column as Quarter 4 Donation Amount and apply the DOLLAR6.2 format. Sort the dataset in Quarter 4 donation amount in descending order.

- How many rows are in the new Qtr4CreditCardDonations table?
- Which employees made the highest donation by Credit Card in Qtr4? (list the Employee_IDs)

Problem 3 (10 pts)
Creating a Query and Subset a Dataset with Multiple Filters

Use **PROC SQL** to create a report that includes <u>active employees</u> (those with no termination date) hired on or before 01 JAN 2000 and who have zero dependents or single (marital status is denoted as S for singe). Use the **Employee_Payroll** table and select Employee_ID, Employee_Hire_Date, Dependents, Marital_Status columns.

- How many employees are there in your output report?