# DA 6223 Quiz 1

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.

## Problem 1 (5 pts)

### Using the One-Way Frequencies Task to Produce a Grouped Report

Use the One-Way Frequencies task on the **employee_master** table to analyze **Job_Title**, grouped by **Department**. Order the output report by descending frequencies. Add a custom title and remove the subtitle provided by SAS. Give the task a descriptive name. Run the task and review the results. Which job title has the highest percentage in the sales department? Write your answer in a note that you create in the project.

## Problem 2 (5 pts)

### Creating a Grouped List Report

Create a Grouped List Report for All Employees by Country. Your List Report must include the Employee_ID, Employee_Name, Street_Number, Street_Name, and Postal_Code columns from the **employee_addresses** table. The report should display the following labels: Employee ID, Street Number, Street Name, and Postal Code. Run the task and review the results.

## Problem 3 (5 pts)

### Filtering Data in a Task and Creating Multiple Output Files

Create a Grouped List Report for Australia Employees by City. Copy and paste the List Data task you created in Problem 2. Then, modify the List Data task as follows:
Use filtering in a task option to modify the dataset so that only the employees from Australia are included in the report. Replace Country with City as the Group By variable. Provide an appropriate title for the reports and rename the task accordingly. In addition to HTML format, generate at least two more output files. These could be SAS reports, Excel, PDF, PPT, etc. Run the task and review the results.

## Problem 4 (5 pts)

### Exploring a dataset from the ORION library

First, create a program and assign the ORION library using the LIBNAME statement. Next, choose a dataset you want to explore and practice the following steps. Write your answers to a note you create in the process flow. To show all your work, write a new PROC SQL step for each part.

a. Write a **DESCRIBE TABLE** statement to see the column attributes of the table you choose. Answer the following questions: Which dataset did you choose? How many numeric and

character variables does this dataset have?

b. Write a **SELECT** statement that displays all the columns of the table. Limit the output report to 10 observations. Use either a dataset option or a PROC SQL option to limit the number of rows.

c. Choose only three columns that you want to display. Write a **SELECT** statement to display those three columns. Write the PROC SQL option that adds the Row column to show the observation (row) number. Again, limit the number of observations to 10.

Upload your project under Quiz 1.