

DA 6223 Exercise 1

Problem 1

Assigning a Project Library

Create the **orion** library to access the Orion customer and employee SAS data sets.

- a. Create a new Process Flow.
- b. Create a new Program.
- c. Use the LIBNAME statement to assign a SAS library called orion. Make sure the created library has a read-only accessibility option.
- d. View the **orion** library in the Server window. If you do not see the library or the data sets, select your server and click **Refresh**.
- e. Rename the Process Flow as **Problem 1**.

Problem 2

Creating a Project and Running the Characterize Data Task

- a. Create a new project to manage information about the Orion Star employees.
- b. Add the **employee_organization** data set to the project.
 - 1) Select **File > Open > Data...** from the menu bar.
 - 2) Select the **Local Computer** icon.
 - 3) Navigate to the location of the course data.
 - 4) Select the **employee_organization** data set and select **Open**.
- c. Use the Characterize Data task to investigate the distribution of each of the columns in the **employee_organization** data set.
 - 1) Select **Tasks > Describe > Characterize Data...** in the Data Grid to open the task wizard.
 - 2) Limit the number of unique categorical values to be reported per variable to 15.
 - 3) Run the task and examine the results.
- d. Rename the Process Flow as **Problems 2 and 3**.

Problem 3

Running the Data Set Attributes Task

The Data Set Attributes task enables you to create a report with information about a particular data set, including the creation date, location, and the number of observations, as well as the variable names, labels, types, and formats.

- a. Go to **Problems 2 and 3** Process Flow and reopen the **employee_organization** data set in the Data Grid and open the Data Set Attributes task.
- b. Create the default report only.
- c. Run the task and examine the results.

Problem 4

Creating a New SAS Data Set from an Excel Spreadsheet

Add the Addresses spreadsheet from the employee_info.xlsx workbook.

- a. Create a new project. Open the **employee_info.xlsx** workbook using the Import Data wizard and create a new SAS data set named **employee_addresses**.
- b. Read the data from the **Addresses worksheet** and indicate that the first row contains field names.
- c. Change the type of the **Postal_Code** column to **String**.
- d. Modify each of the labels to replace underscores with spaces. In Step 4, select **Embed the data within the generated SAS code**.
- e. Finish the Import Data wizard and view the data set.
- f. Rename the Import Data task as Import Employee Addresses.
- g. Rename the Process Flow as Problem 4.
- h. Save the project as **LastName_FirstName_Exercise1**.

Upload your project under Exercise 1 and answer the questions on Blackboard.