
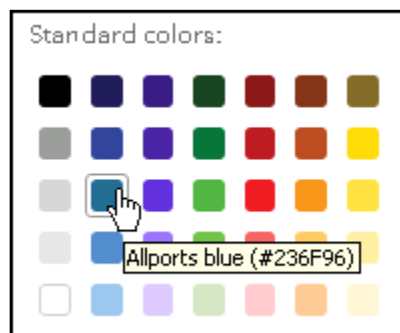


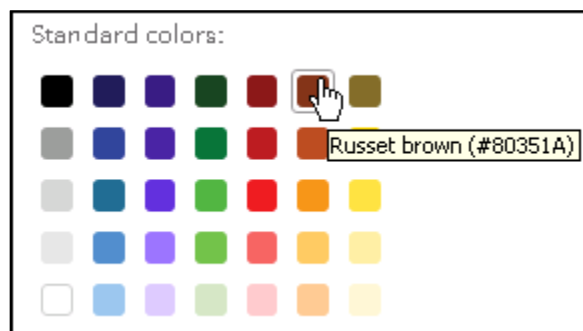


## 5. Working with Report-Level and Graph-Level Display Rules

- a. From the browser window, sign in to SAS Viya for Learners.
- b. Open the **VA1- Exercise4.3** report from the **SAS Content/Courses/YVA183/Basics/Exercises (HR)** folder.
  - 1) Navigate to **SAS Content/Courses/YVA183/Basics/Exercises (HR)**.
  - 2) Right-click **VA1- Exercise4.3** and select **Edit**.
- c. Add a report-level display rule for gender.
  - 1) In the right pane, click the **Rules** icon.
  - 2) In the Display Rules pane, select **New rule**.
  - 3) In the New Display Rule window, enter **Male** as the first value.
  - 4) Click  (**Select a style**) on the left of the value.
  - 5) Choose **Allports blue** as the color.

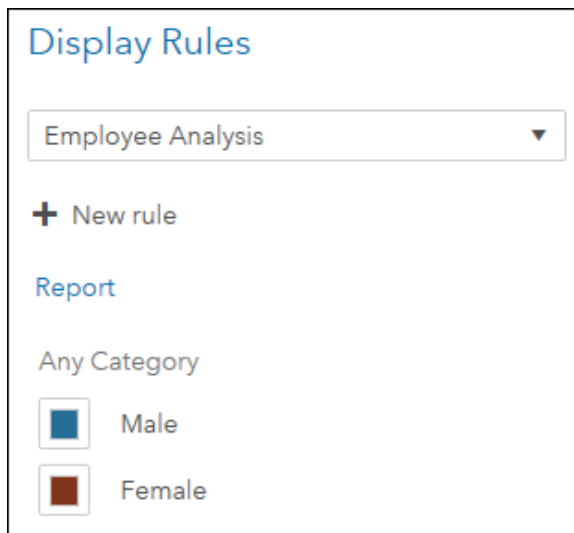


- 6) Click  (**Add**).
- 7) Enter **Female**.
- 8) Click  (**Select a style**) on the left of the value.
- 9) Choose **Russet brown** as the color.

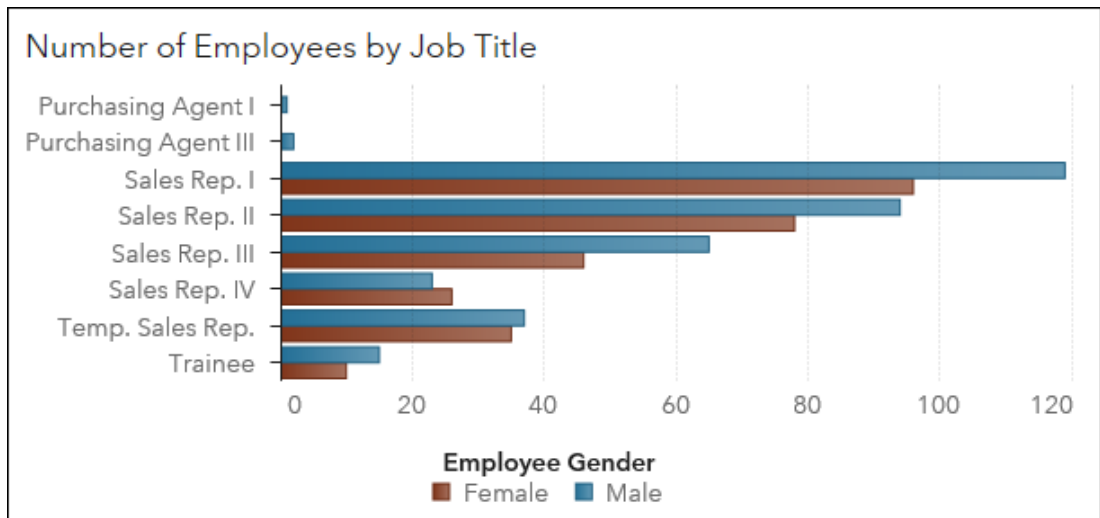


- 10) Click **OK**.


The Display Rules pane should resemble the following:



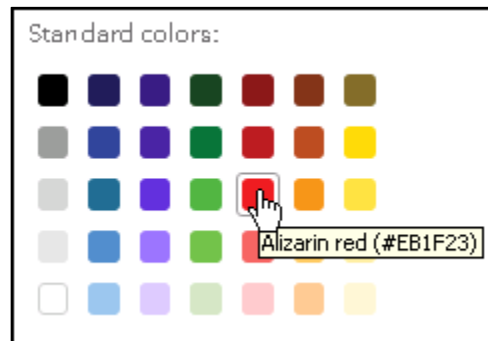
The bar chart should resemble the following:




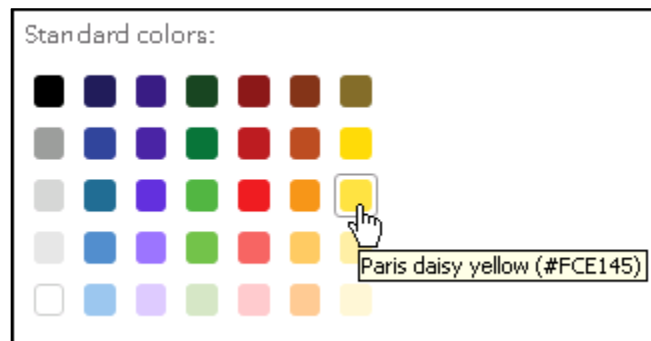
d. Add three expression display rules to the bar chart on the Profit Analysis page.


- 1) Click the **Profit Analysis** page to make it active.
- 2) Click the bar chart to make it active.
- 3) If necessary, in the right pane, click the **Rules** icon.
- 4) In the Display Rules pane, select **New rule** ⇒ **Total Profit**.
  - a) Select **<** (less than) for the **Operator** field.
  - b) Enter **200,000** for the **Value** field.
  - c) Select **Graph** for the **Style Area** field.
  - d) For the **Style** field, click  (**Select a style**).

- e) Choose **Alizarin red** as the color.

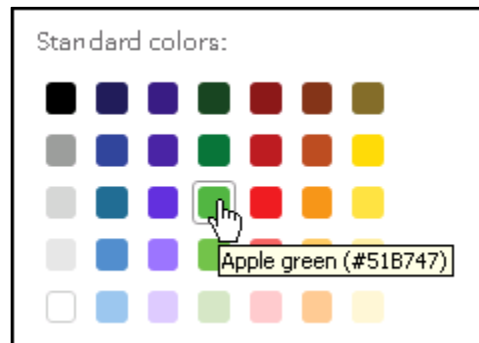


- f) Click **OK**.
- 5) In the Display Rules pane, select **New rule** ⇒ **Total Profit**.
- Select **BetweenInclusive** for the **Operator** field.
  - Enter **200,000** for the **Min** field.
  - Enter **500,000** for the **Max** field.
  - Select **Graph** for the **Style Area** field.
  - For the **Style** field, click  (**Select a style**).
  - Choose **Paris daisy yellow** as the color.



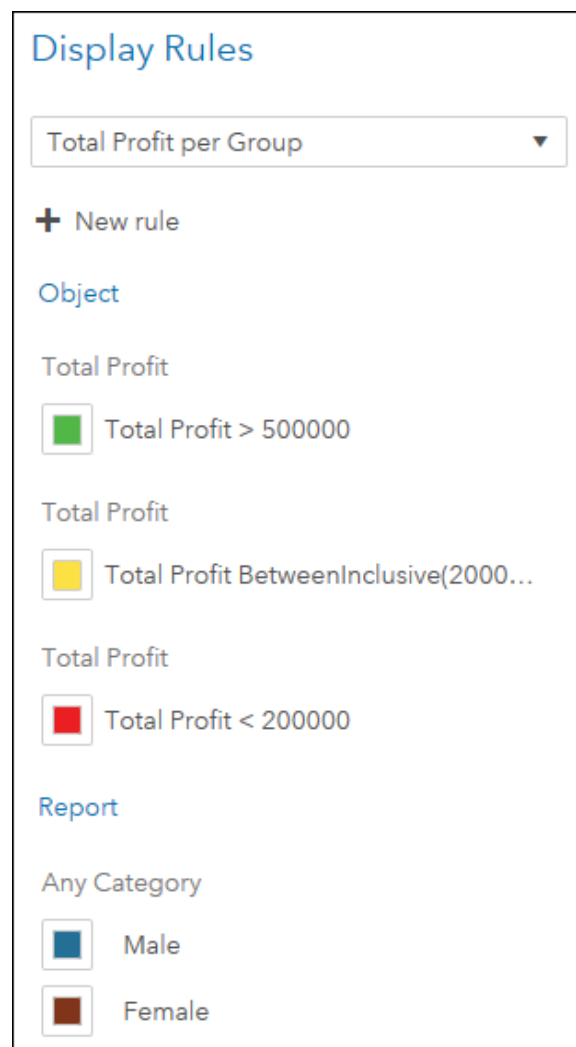
- g) Click **OK**.
- 6) In the Display Rules pane, select **New rule** ⇒ **Total Profit**.
- Verify that **>** (greater than) is selected for the **Operator** field.
  - Enter **500,000** for the **Value** field.
  - Select **Graph** for the **Style Area** field.
  - For the **Style** field, click  (**Select a style**).

e) Choose **Apple green** as the color.

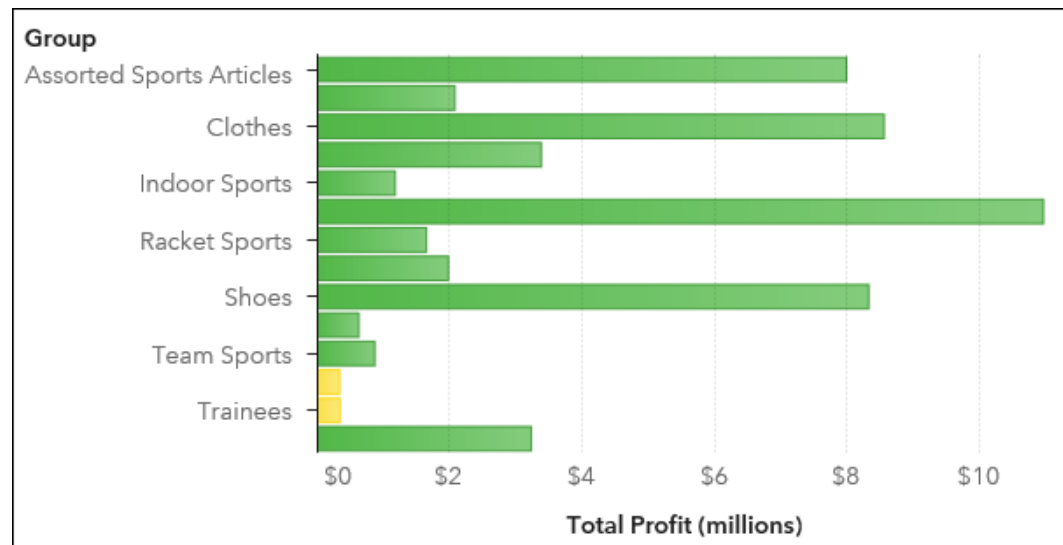


f) Click **OK**.


The Display Rules pane should resemble the following:




The bar chart should resemble the following:



e. Save the report in My Folder.

- 1) To save the report, click  (**Menu**) in the upper right corner and select **Save As**.
- 2) Navigate to **My Folder**.
- 3) Click **Save**.

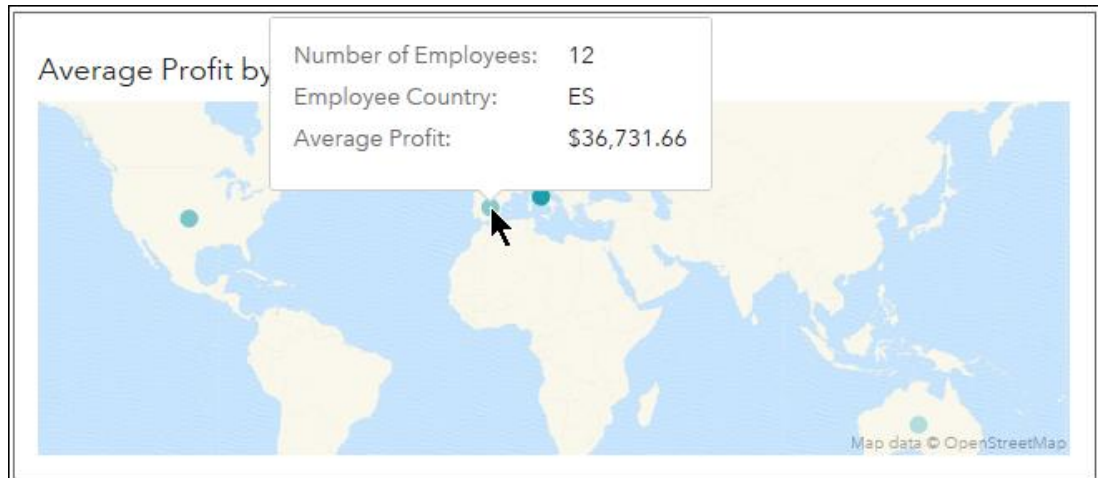
f. View the report and answer the questions.

- 1) In the upper right corner, click  (**Menu**) and select **View report**. The report opens in the Report Viewer.
- 2) Answer the questions.

How many employees retired in Spain? How many retired with the Sales Rep. I job title? Of those, how many were female?

**Answer:** Twelve employees retired in Spain. Four employees retired with the Sales Rep. I job title. Of those, three were female.

- On the Employee Analysis page, select Retired in the Employee Status Selector (report prompt).
- In the geo map, click the ES coordinate.  
The data tip shows details about Spain.



- In the upper right corner of the bar chart, click  (Maximize).

The details table at the bottom shows the total number of employees for each group:

Job Title ▲	Number of Employees	Employee Gender ▲
Sales Rep. I	3	Female
Sales Rep. I	1	Male
Sales Rep. II	1	Male
Sales Rep. III	1	Male
Temp. Sales Rep.	3	Female
Temp. Sales Rep.	2	Male
Trainee	1	Male

- In the upper right corner of the bar chart, click  (Restore).

View the Profit Analysis page. Among active employees in Orion Spain, how many groups generated a total profit above \$500,000?

**Answer:** Three groups (Assorted Sports Articles, Golf, and Shoes)

- Click the Profit Analysis tab.
- Select Active in the Employee Status Selector (report prompt).
- Select Orion Spain from the Company Selector (page prompt).

View the bar chart:

