**SAS VIYA Exercise 03**

**Running Descriptive Statistics**

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**Sources**

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SAS® Visual Analytics. Release 8.5

SAS® Viya® release V.03.05

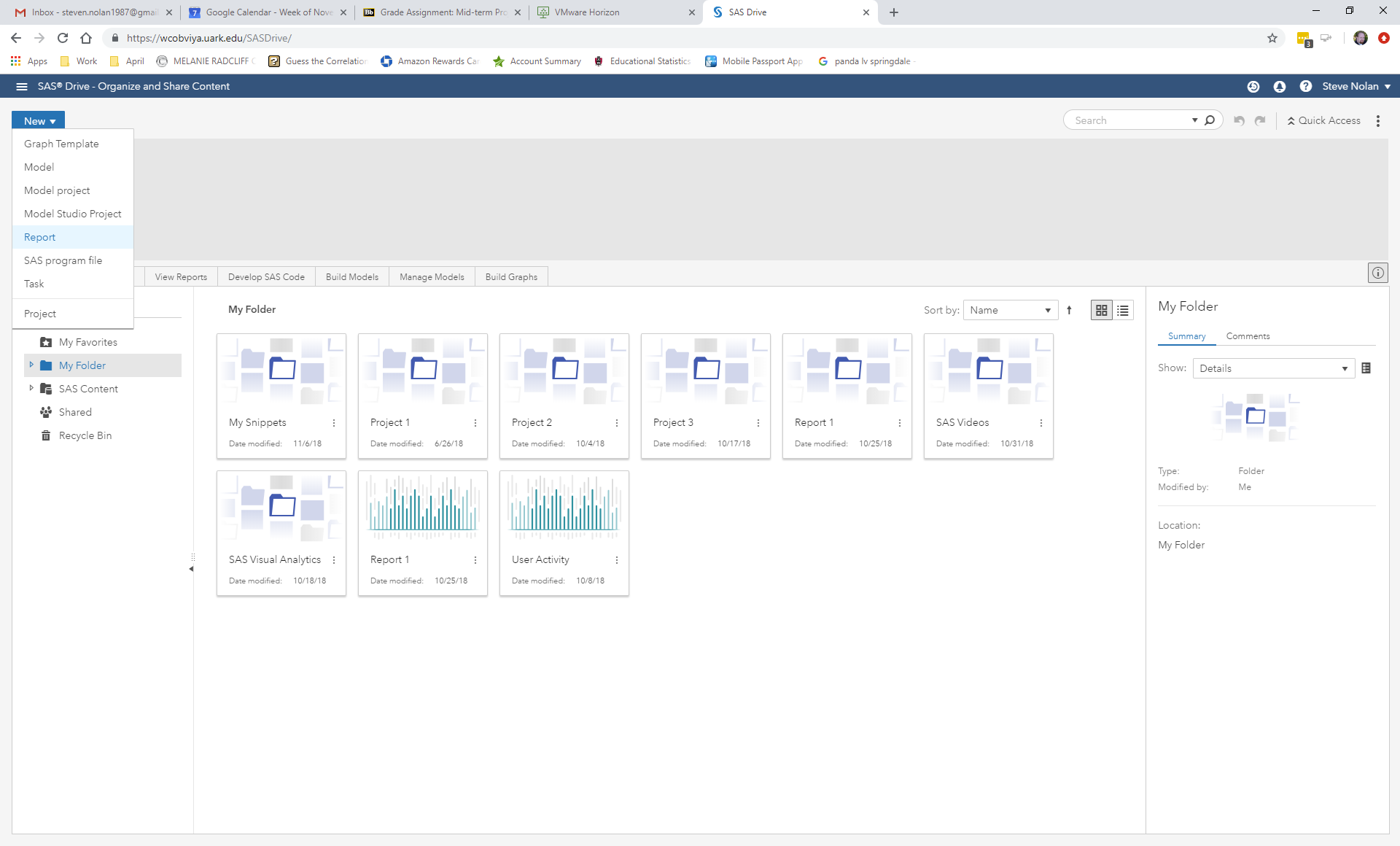
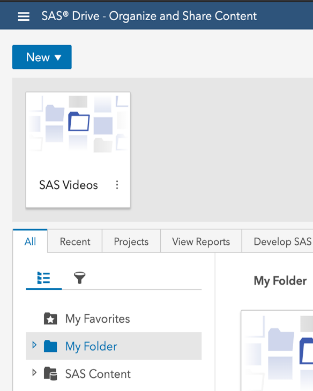
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# Use Case – Descriptive Statistics

Razorback Stores is a local department store serving a metropolitan area. As a department store, they offer a wide variety of items and services and track sales through a point of sale system. Over the past several months, Razorback Stores performed a marketing campaign designed to promote and incentivize a loyalty program.

Razorback Stores is interested in learning some general descriptive information about their data.

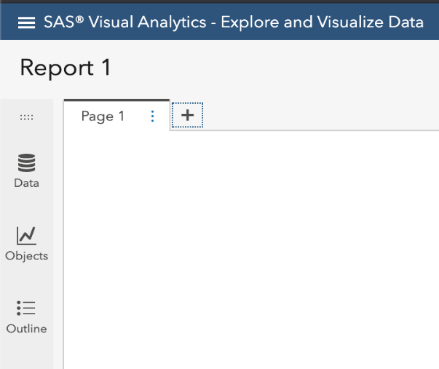
## Step 1: New Report



Once you are logged into the VIYA system,

1. Click on “New” in the upper left-hand side of the screen and choose **Report**

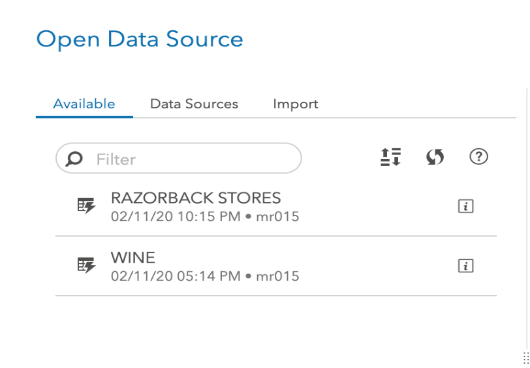
## Step 2: Data



You will be now be on the report window. From here, you can choose a new data source, create a new object, or view the outline.

1. Click on the **Data** icon

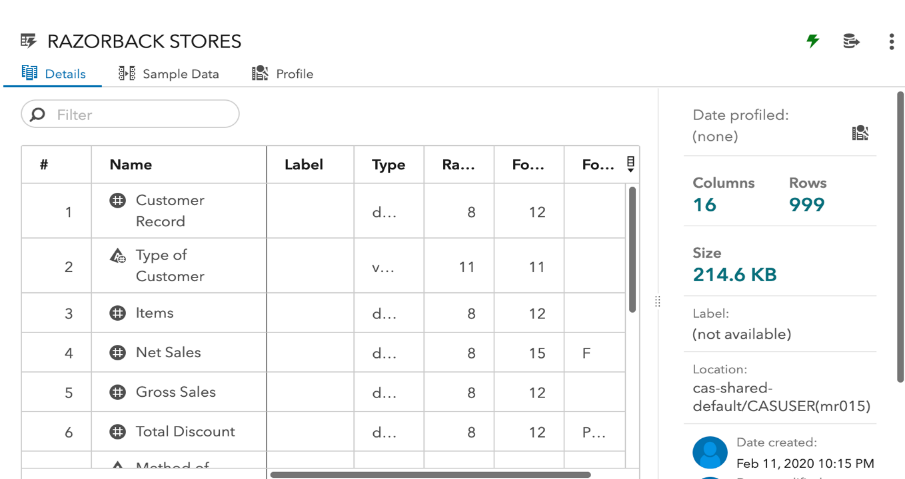
## Step 3: Available Data



Once you have clicked on the data, you will be presented with **Available** data to use.

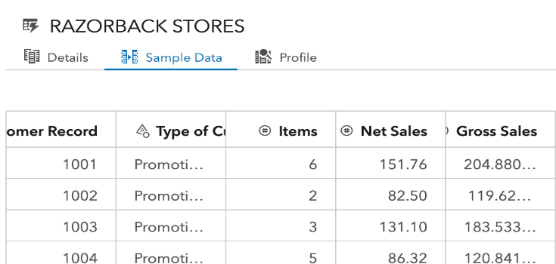
1. Click on your chosen dataset (for this exercise **RAZORBACK STORES)**
2. If no dataset is available, please see our tutorial 02a: Importing data.

## Step 4: Details



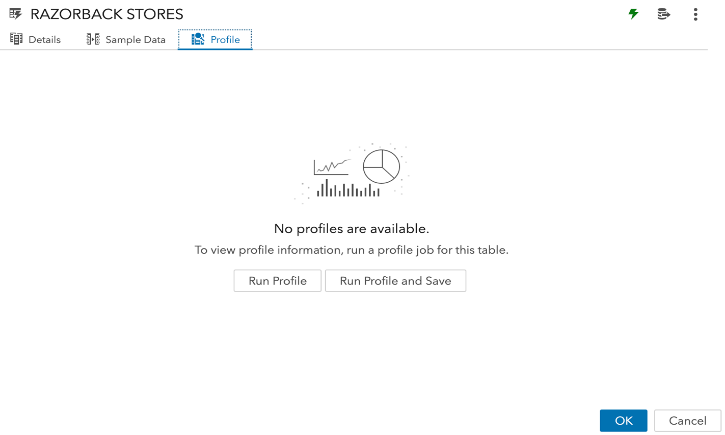
Once you have chosen a dataset, in our case the **Razorback Stores** dataset, the right-hand pane will display a listing of variables from the dataset with corresponding datatypes under the **Details** tab. This will show you the various variables from your dataset and the datatypes that have been denoted by the system:

## Step 5: Sample Data



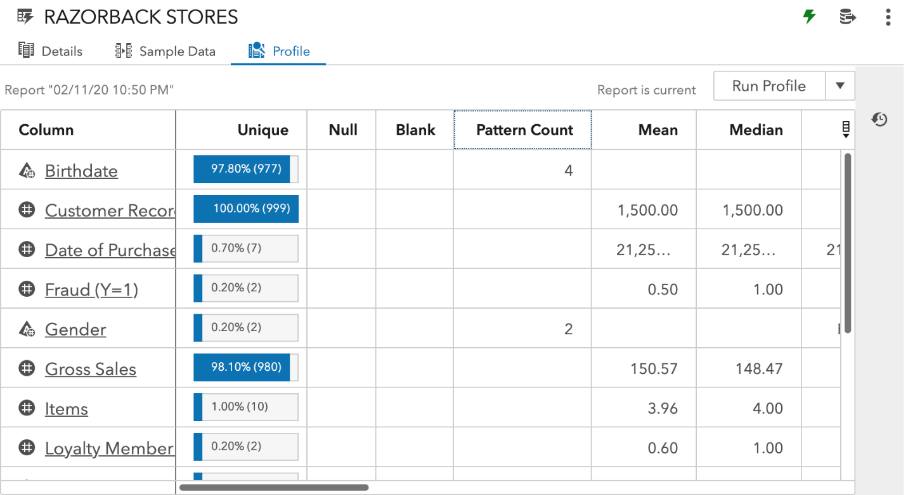
1. You can also click on the **Sample Data** tab to get a snapshot of the data:

## Step 6: Profile



1. Now, click on the **Profile** tab and then run the profile by
2. Clicking on **Run Profile**

## Step 7: Statistics



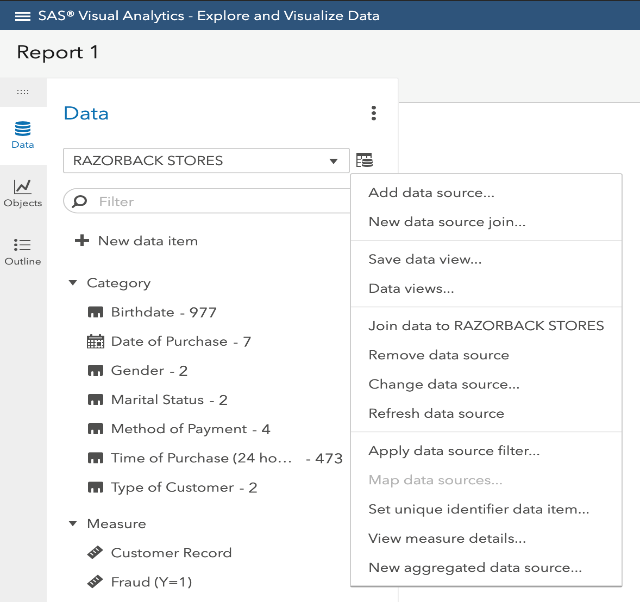
The outputed report will provide you basic descriptive statistics such as mean, median, and mode,

It will also give you unique counts and other useful descriptive statistics.

1. Click **OK** to create the report

Congratulations, you have successfully ran descriptive statistics in VIYA!

## Step 8: View Measure Details



If at any point in time you wish to re-run or forgot to run descriptive statistics, you can always:

1. Click on the data icon located on the Data tab and
2. Choose view measure details…

Congratulations, you have learned how to run descriptive statistics in VIYA!