# Lab 5

## SCENARIO

VanArsdel is a company that manufactures and sells sporting goods. The company has offices in the United States (US) and several other countries. Its sales comprise of US sales and International sales. VanArsdel’s sales come from its owned manufactured products, as well as other manufacturers’ products.

Some of your colleagues are using Excel as their primary reporting tool. You want to collaborate with them and use their Excel files using Power BI service.

In this lab, you will upload Excel files to Power BI service. First, you will upload an Excel file containing an Excel table, and create quick visualizations based on that data. Next, you will upload an Excel file that contains an Excel data model and Power View report, and use the converted report in Power BI service.

Before starting this lab, you should review **Working with Excel** module in this course. Then, if you have not already done so, follow the instructions in the **Set up the Lab Environment** section of this course to set up the lab environment.

## WHAT YOU’LL NEED

* The following Excel files:
  + The “[Lab 5 - Canada.xlsx](https://github.com/MicrosoftLearning/Analyzing-Visualizing-Data-PowerBI/raw/master/Lab5/Lab%205%20-%20Canada.zip)” file
  + The “[Lab 5 - USA.xlsx](https://github.com/MicrosoftLearning/Analyzing-Visualizing-Data-PowerBI/raw/master/Lab5/Lab%205%20-%20USA.zip)” file
* Power BI service account (You need to have a work / business email to sign up for Power BI service)

## Exercise 1: Upload Excel File with an Excel Table

 First, you will upload an Excel file containing an Excel table.

1. Download and extract the the “[Lab 5 - Canada.xlsx](https://github.com/MicrosoftLearning/Analyzing-Visualizing-Data-PowerBI/raw/master/Lab5/Lab%205%20-%20Canada.zip)” file. The file contain VanArsdel's Canada sales. If you have a Microsoft Excel installed, you can open and explore the file (you don't have to).
2. Go to **http://www.powerbi.com** and sign in using your account.
3. Click **Get Data**, select **Files** and click **Get**. Select **Local file** , select the **Lab 5 - Canada.xlsx** file, and select **Import Excel data into Power BI**. The Excel file is imported as a Dataset in Power BI service.
4. Go to the **Lab 5 - Canada**Dataset.
5. Now, answer the following questions by creating visualizations using the skills you learned in the previous module.

### **Question1**

1/1 point (graded)

What is the total revenue for Canada in 2014? (to two decimal places)

### **Question 2**

1/1 point (graded)

In which year VanArsdel sold the most number of units in Canada?

### **Question 3**

1/1 point (graded)

Drag the Province to its appropriate box, 1 for the one with highest, and 4 for the one with the lowest.

For VanArsdel's Canada sales (Revenue) in 2012, which are the top 4 Provinces?

* Alberta
* British Columbia
* Manitoba
* Ontario
* Quebec

### **Question 4**

1/1 point (graded)

Drag the Province to its appropriate box, 1 for the one with highest, and 4 for the one with the lowest.

What about for the year 2013? For VanArsdel's Canada sales (Revenue) in 2013, which are the top 4 Provinces?

* Alberta
* British Columbia
* Manitoba
* Ontario

Quebec

## Exercise 2: Upload an Excel File with a Data Model

Now, let's upload an Excel file containing a Data Model and a Power View Report.

1. Download and extract the the “[Lab 5 - USA.xlsx](https://github.com/MicrosoftLearning/Analyzing-Visualizing-Data-PowerBI/raw/master/Lab5/Lab%205%20-%20USA.zip)” file. The file contain VanArsdel's USAsales. If you have a Microsoft Excel installed, you can open and explore the file (you don't have to).
2. Go to **http://www.powerbi.com** and sign in using your account.
3. Click **Get Data**, select **Files** and click **Get**. Select **Local file**, select the **Lab 5 - USA.xlsx** file, and select **Upload your Excel file to Power BI**. The Excel file is uploaded as a Dataset in Power BI service. Since this Excel file also contain a Power View report, the Power View report is converted to a Power BI report.
4. Go to the **Lab 5 - USA** Report.
5. Now, answer the following questions by reviewing the **Power View1** tab in the **Lab 5 - USA** Report.

### **Question 1**

1/1 point (graded)

Using the Power View1 report, which manufacturer has the most growth in total units between May and June 2015 (for all categories)?

Aliqui

Currus

Natura

Pirum

VanArsdel

### **Question 2**

1/1 point (graded)

What about for only the Youth category? Which manufacturer has the most growth in total units between May and June 2015, for the Youth category?

Aliqui

Currus

Natura

Pirum

VanArsdel

Show Answer

### **Question 3**

1/1 point (graded)

Which manufacturer(s) does not have products for the Youth category?

Aliqui

Currus

Natura

Pirum

VanArsdel

Note: Make sure you select all of the options—there may be more than one!

### **Question 4**

1/1 point (graded)

Drag the Manufacturer to its appropriate box, 1 for the one with highest, and 4 for the one with the lowest.

For the Central region in 2015, which are the top 4 Manufacturers (in terms of Total Units)?

* Aliqui
* Natura
* Pirum
* VanArsdel
* Currus