

Multi-Regional Sales Analysis and Visualization
Using SAS Viya

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Q1. What is the Product Sale for each country in South America? Use at least three types of charts and suggest which one in your opinion works the best in answering this question. Make sure to utilize the Geo Map for one of your charts.

A1: The sales of products in South America by country in descending order:

Brazil: 455194

Peru: 376081

Venezuela: 325704

Chile: 282672

Colombia: 200706

Argentina: 57805

In my opinion, to deliver all the needed information in a clear format, the bar chart is the most suitable one to visualize these data due to its ability to provide an intuitive way of comparison between each country based on the number of sales made.

Q2. How much was the product sale of "Kiosk" product line in Vancouver and in Toronto in 1998? Once again, use three different charts of your choice to answer this question. Try to show the numeric values on the chart.

A2: The product sales of Kiosk in Vancouver and in Toronto in 1998 goes as follow:

Vancouver: 6919

Toronto: 3440

In this case, the pie chart looks the most understandable one, having only two cities to illustrate allows for a neat pie chart figure.

Q3. In which two months of 1998 the Product Cost of Sale was the lowest in Atlanta? What were the numerical values for those two months (show the numerical values on the chart)?

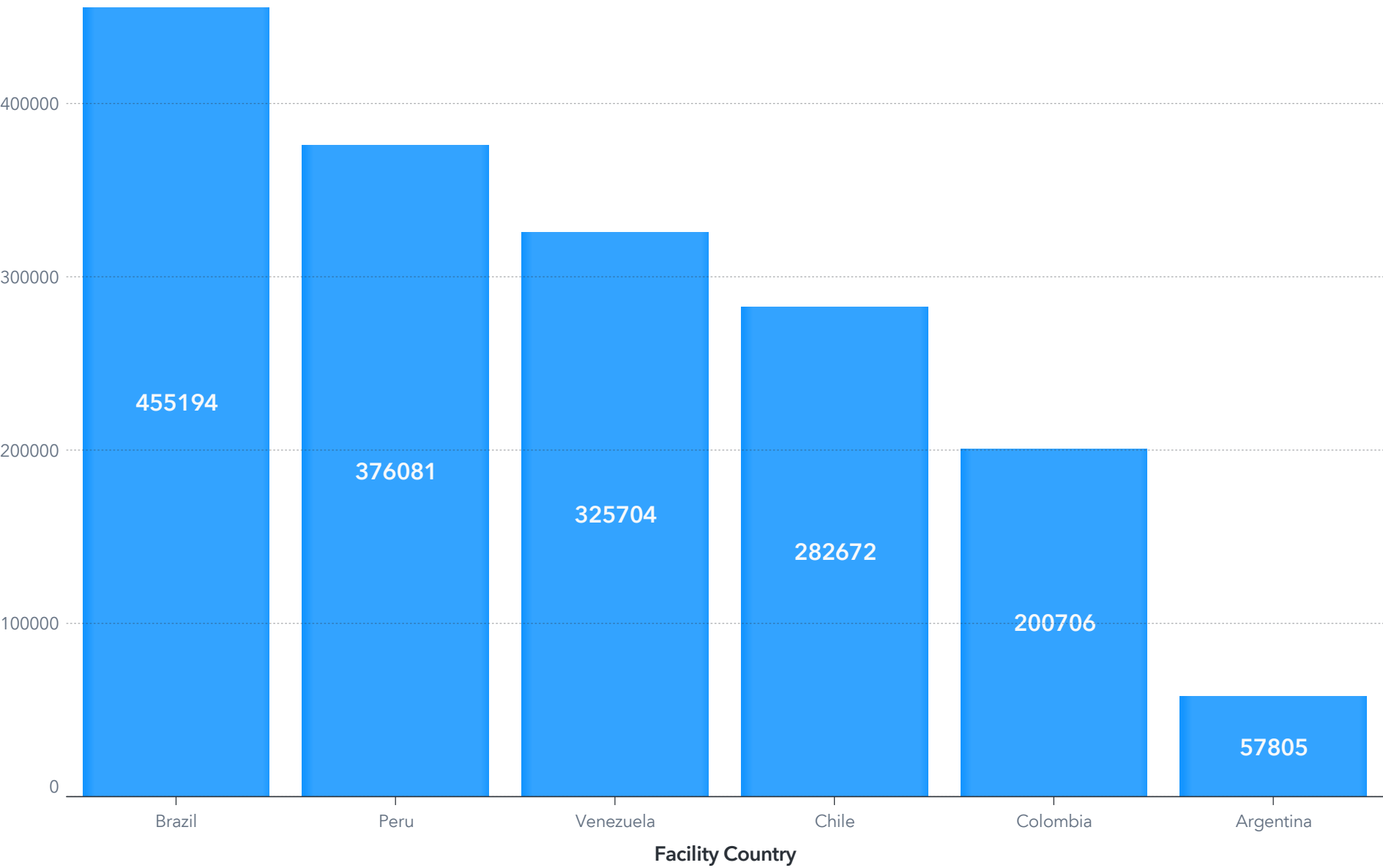
A3: September and May of 1998 recorded the lowest product cost of sales with 357 and 500 respectively.

By

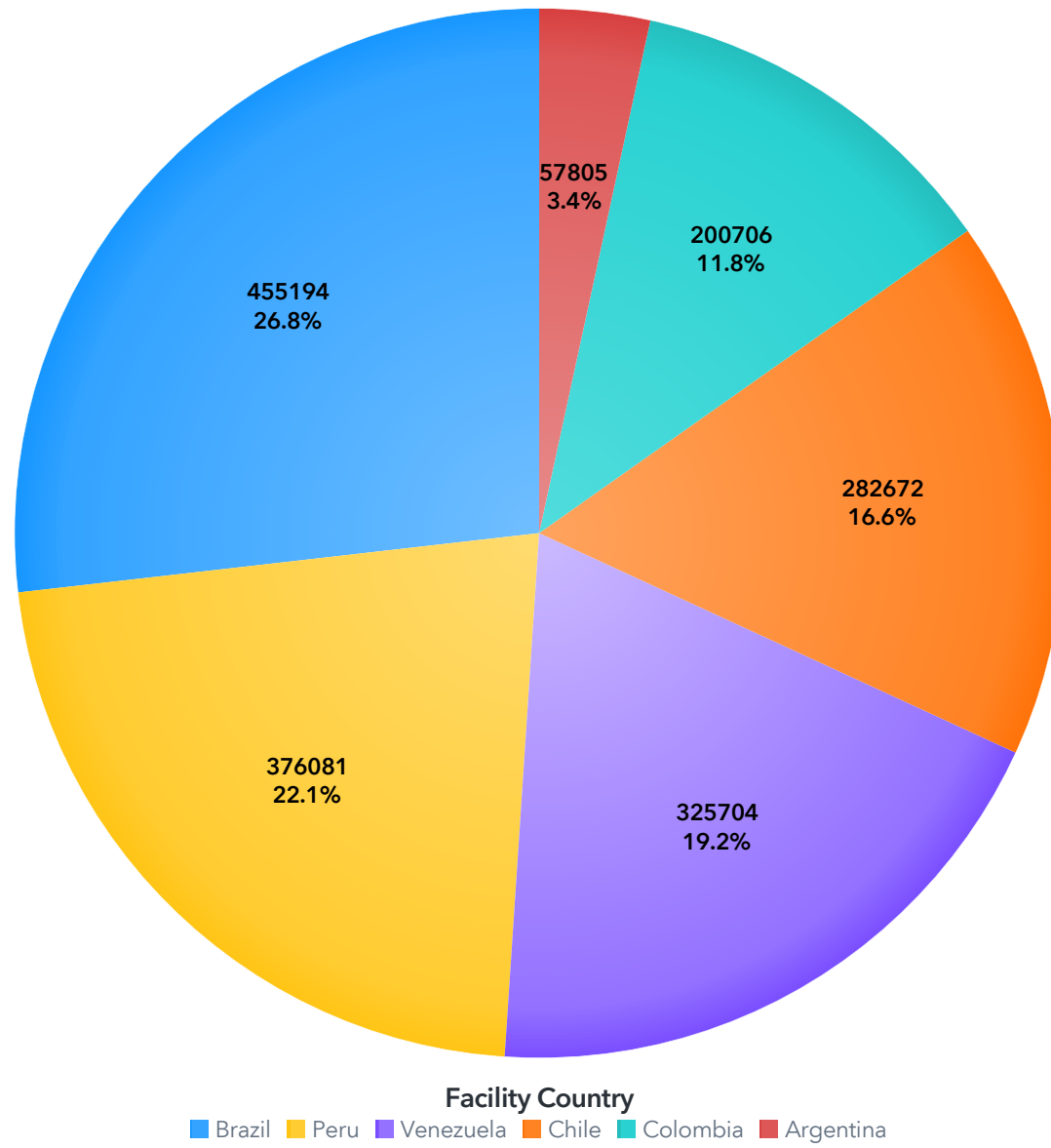
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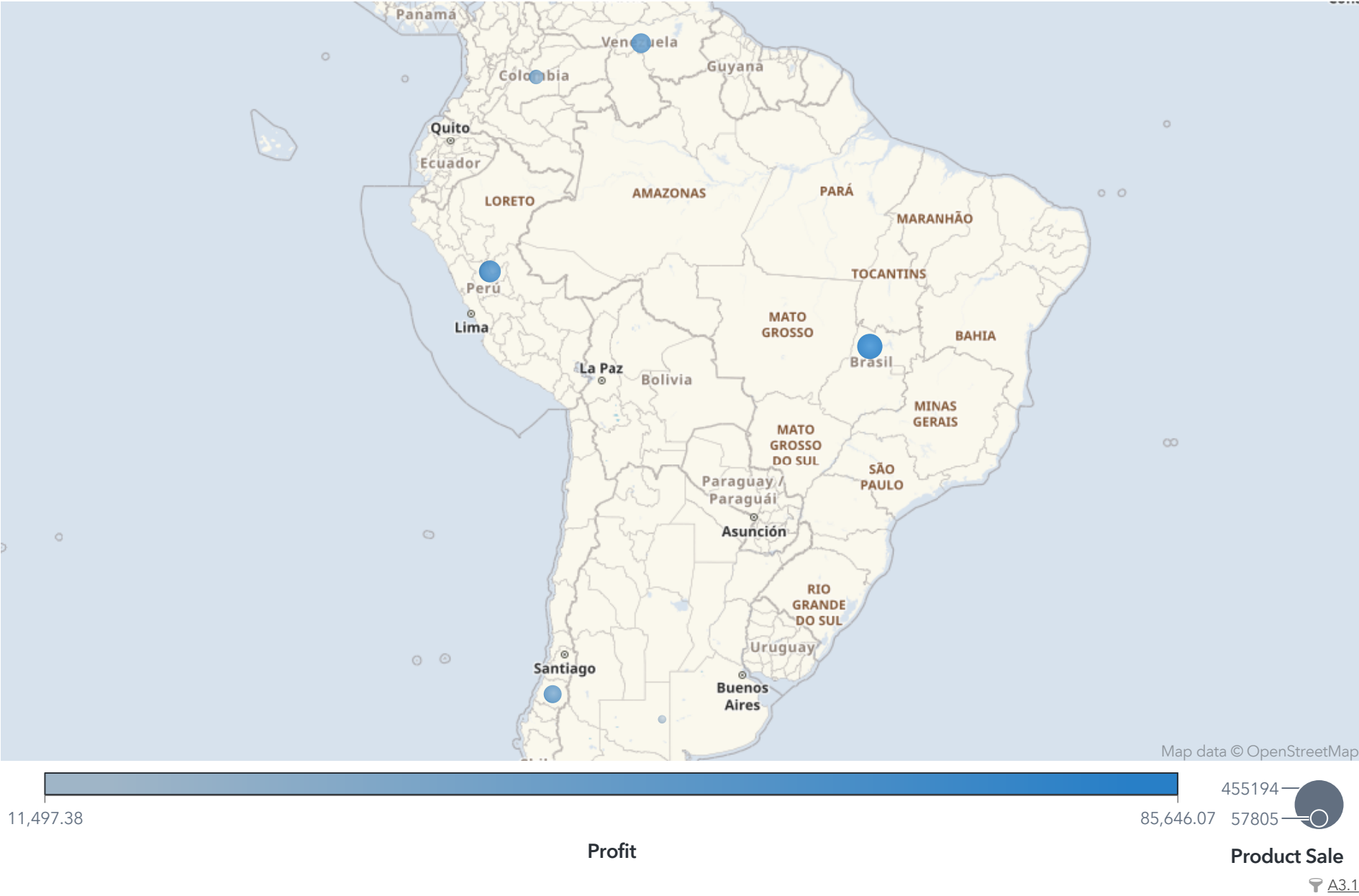
Product Sale by Facility Country



Product Sale by Facility Country
Product Sale

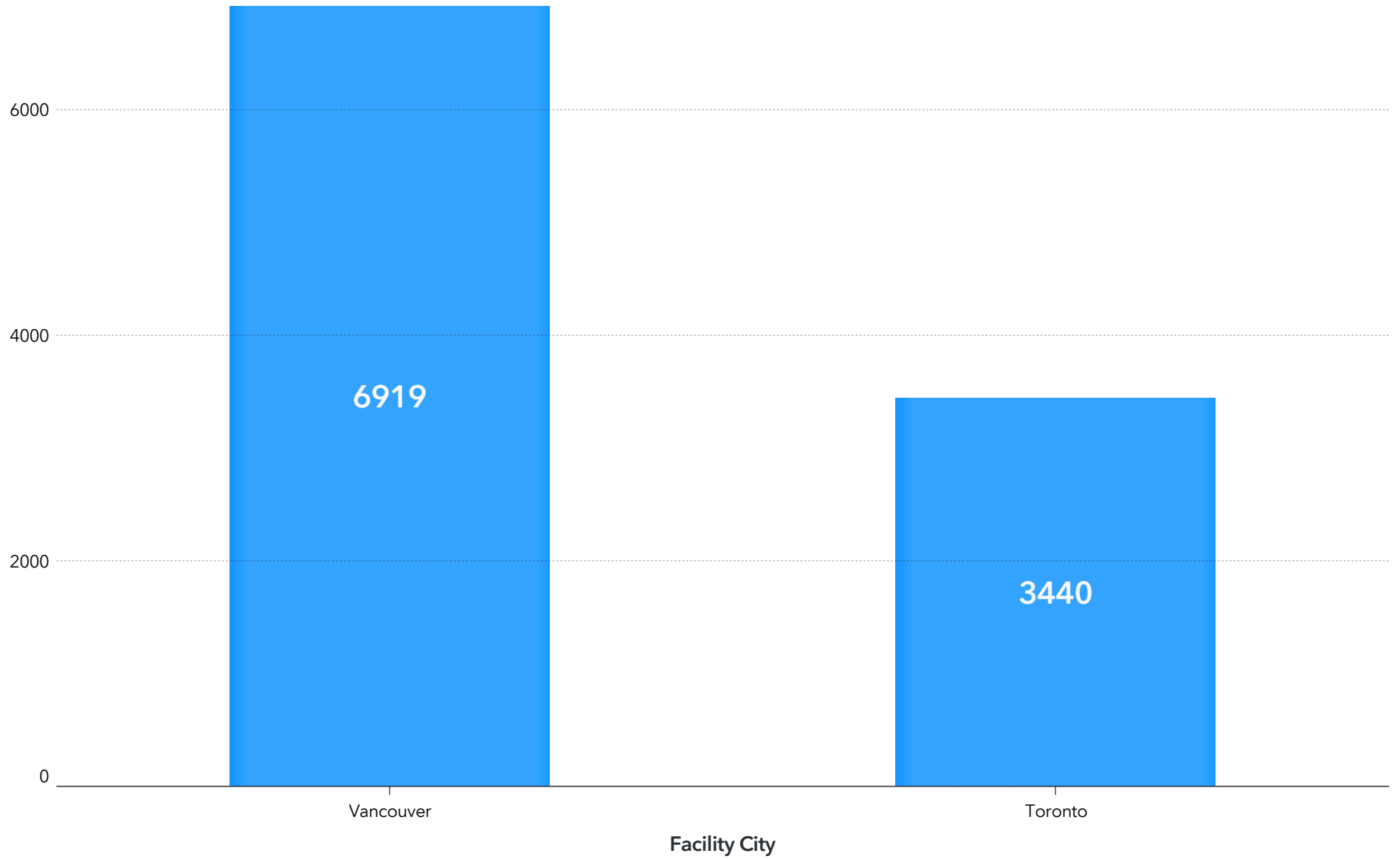


Profit by Geographic Item 3 sized by Product Sale

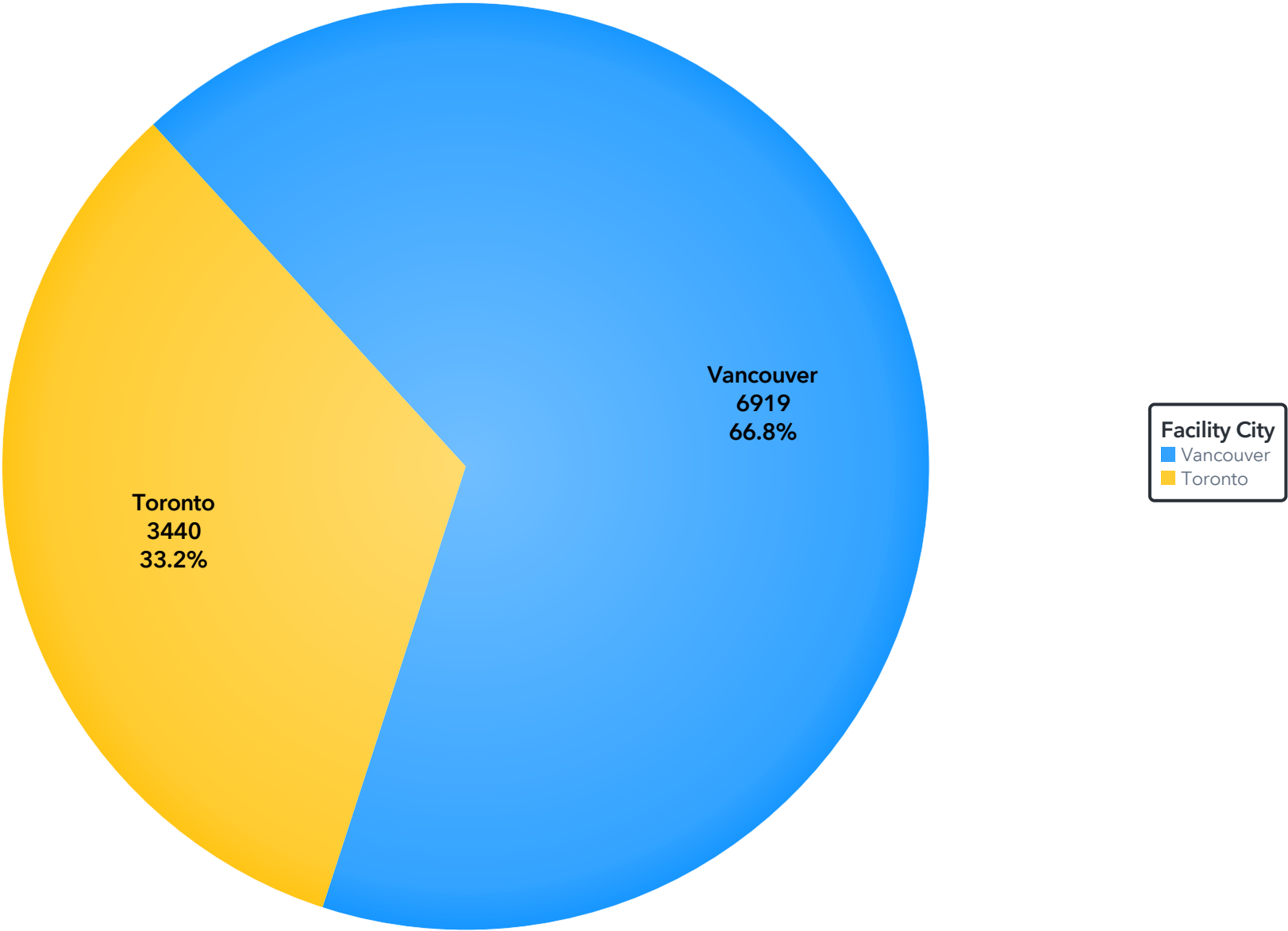


Product Sale by Facility City in 1998

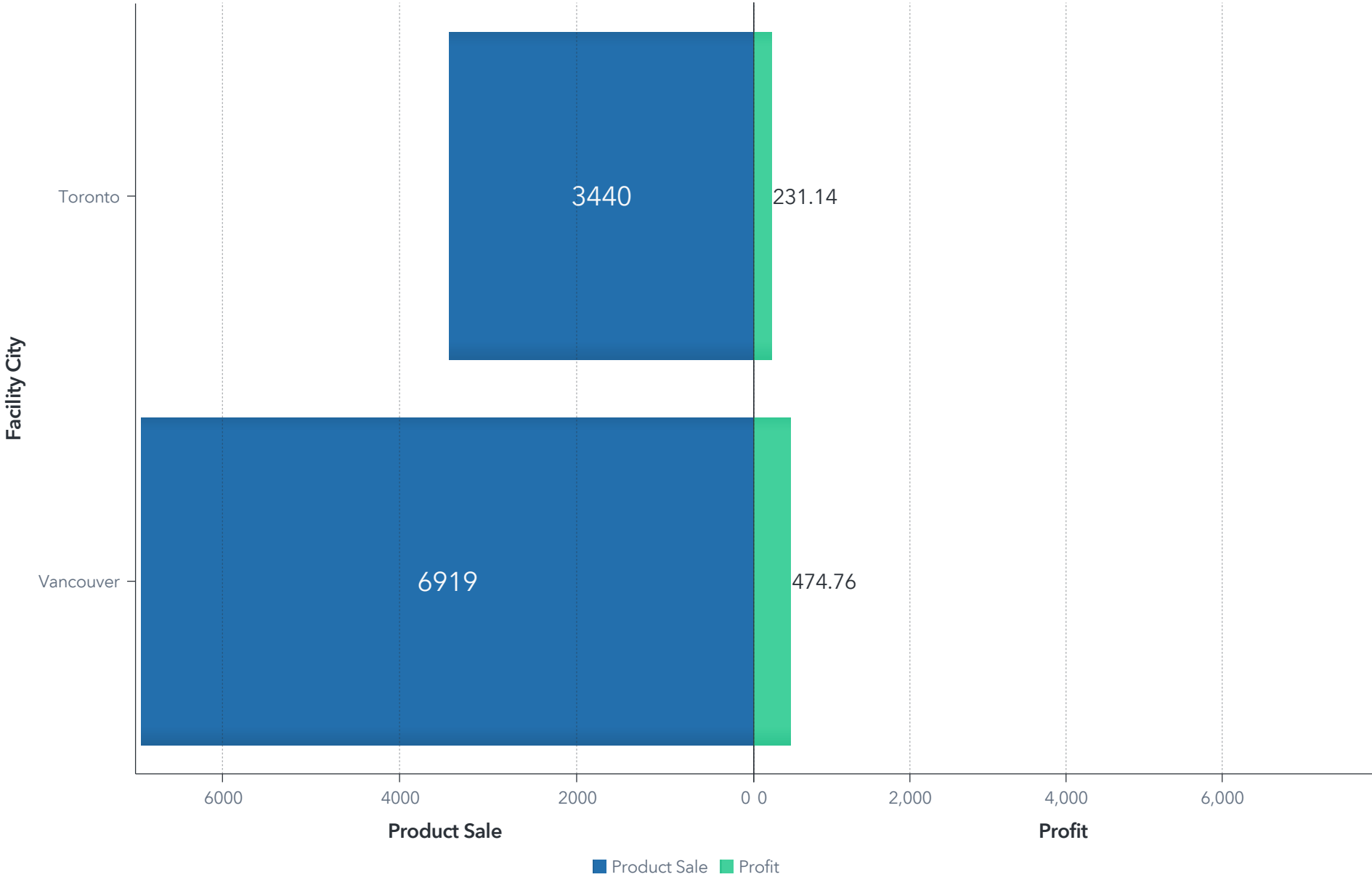
Product Sale



Product Sale by Facility City
Product Sale



Product Sale, Profit by Facility City



Product Cost of Sale by Transaction Month in Atlanta
Product Cost of Sale

