MSIS5633_HW2_Spr2024

Creation Date: Saturday, February 10, 2024 08:00:34 PM

Author: rhoda.alawiye@okstate.edu

Answers to the three questions:

Question 1: I used three charts to answer this question which are a bar chart, a pie chart and a geo map.

Question 2: I used three charts for this too which are bar chart, tree map and pie chart.

Question 3: I used a bar chart for this because unlike a line chart, this shows the trend of sales in descending order making it easy to identify the months with the lowest at highest values at a glance.

Table of Content

Question 1 - 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.

Answer 1 - Product sale for each south american country:
Brazil - 455,194
Peru - 376,081
Venezuela - 325,704
Chile - 282,672
Columbia - 200,706
Argentina - 57,805

In my opinion, the most suitable chart for illustrating this information is the bar chart. It effectively showcases the disparities in quantities among the countries.

Question 2 - 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.

Answer 2 - The product sale of the "Kiosk" product line in 1998 was Vancouver 6919 which was about twice that of Toronto that had 3440.
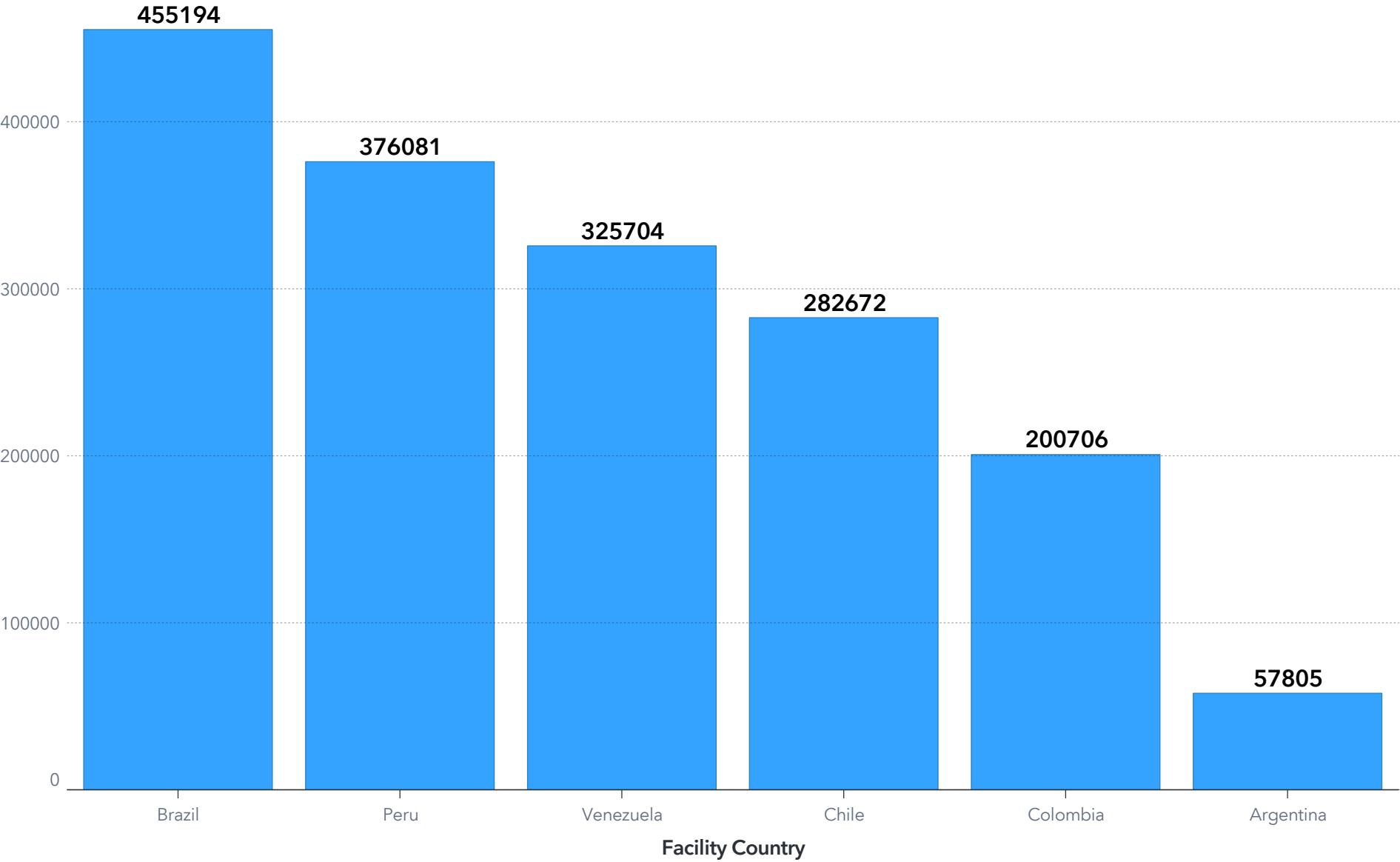
In my opinion, the comparison between the two cities with respect to the product sale is beautifully represented by the tree map, although I would personally prefer to use the pie chart for a company team presentation because it is very easy and fast to comprehend.

Question 3 - 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)?

Answer 3 - In 1998, the months with the lowest Product Cost of Sale were May (500) and September (357) in Atlanta.

Rhoda Alawiye
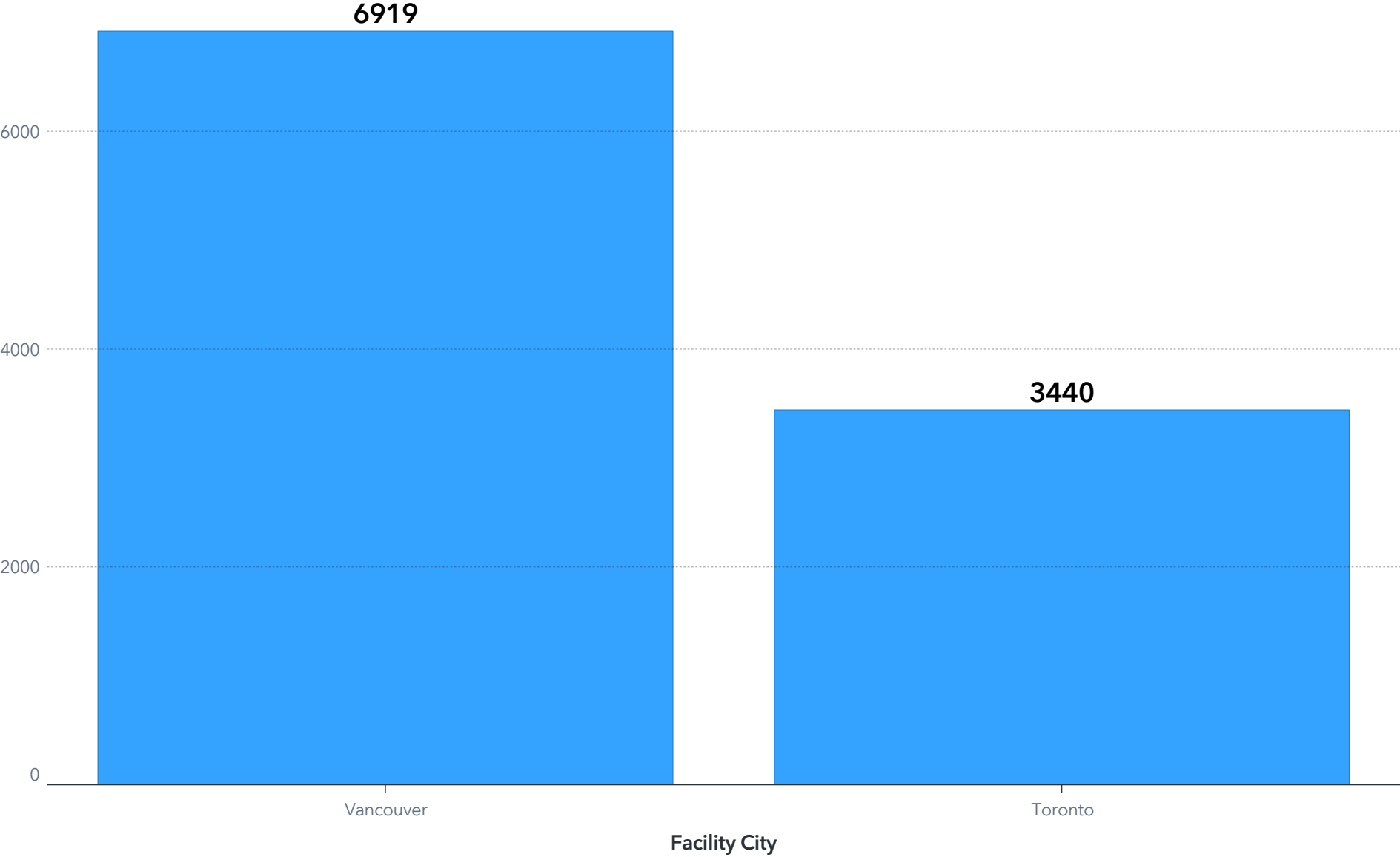02/10/2024

Product Sale by Facility Country

Product Sale

Brazil	455194
Peru	376081
Venezuela	325704
Chile	282672
Colombia	200706
Argentina	57805

Facility Country

A1.1

Product Sale by Facility Country
Product Sale

Argentina
57805

Colombia
200706

Brazil
455194

Chile
282672

1.7M

Venezuela
325704

Peru
376081

Facility Country

■ Brazil ■ Peru ■ Venezuela ■ Chile ■ Colombia ■ Argentina

A2.1

Geo Map of GeoCountry sized by Product Sale

Product Sale by Facility City

Product Sale

Facility City

A4.1

Frequency, Product Sale by Facility City

Facility City

Toronto

Vancouver

1,696

788

Frequency

3440.453

6918.809

Product Sale

Product Sale by Facility City
Product Sale

Toronto
3440

10K

Vancouver
6919

Facility City
Vancouver Toronto

A6.1
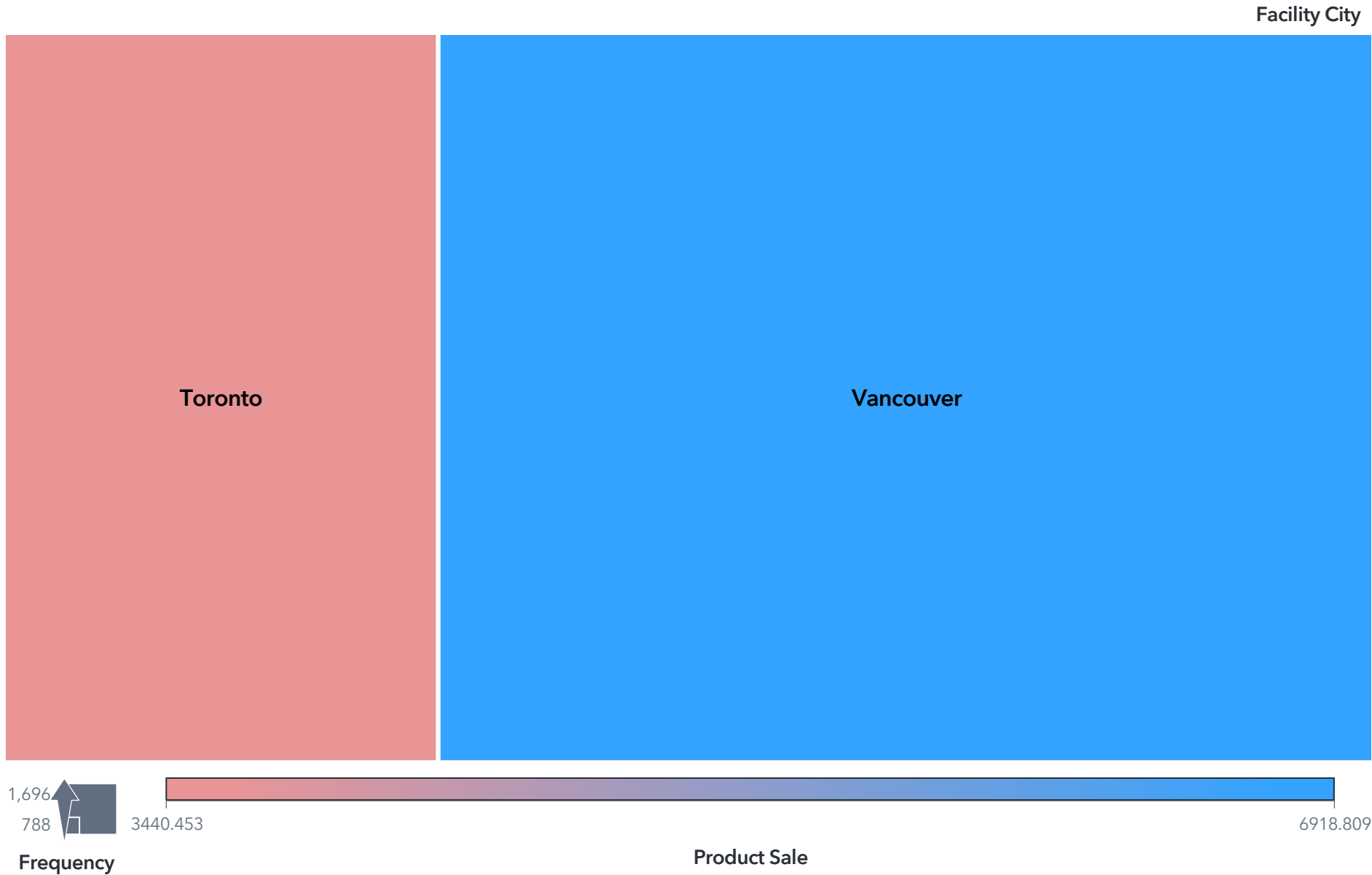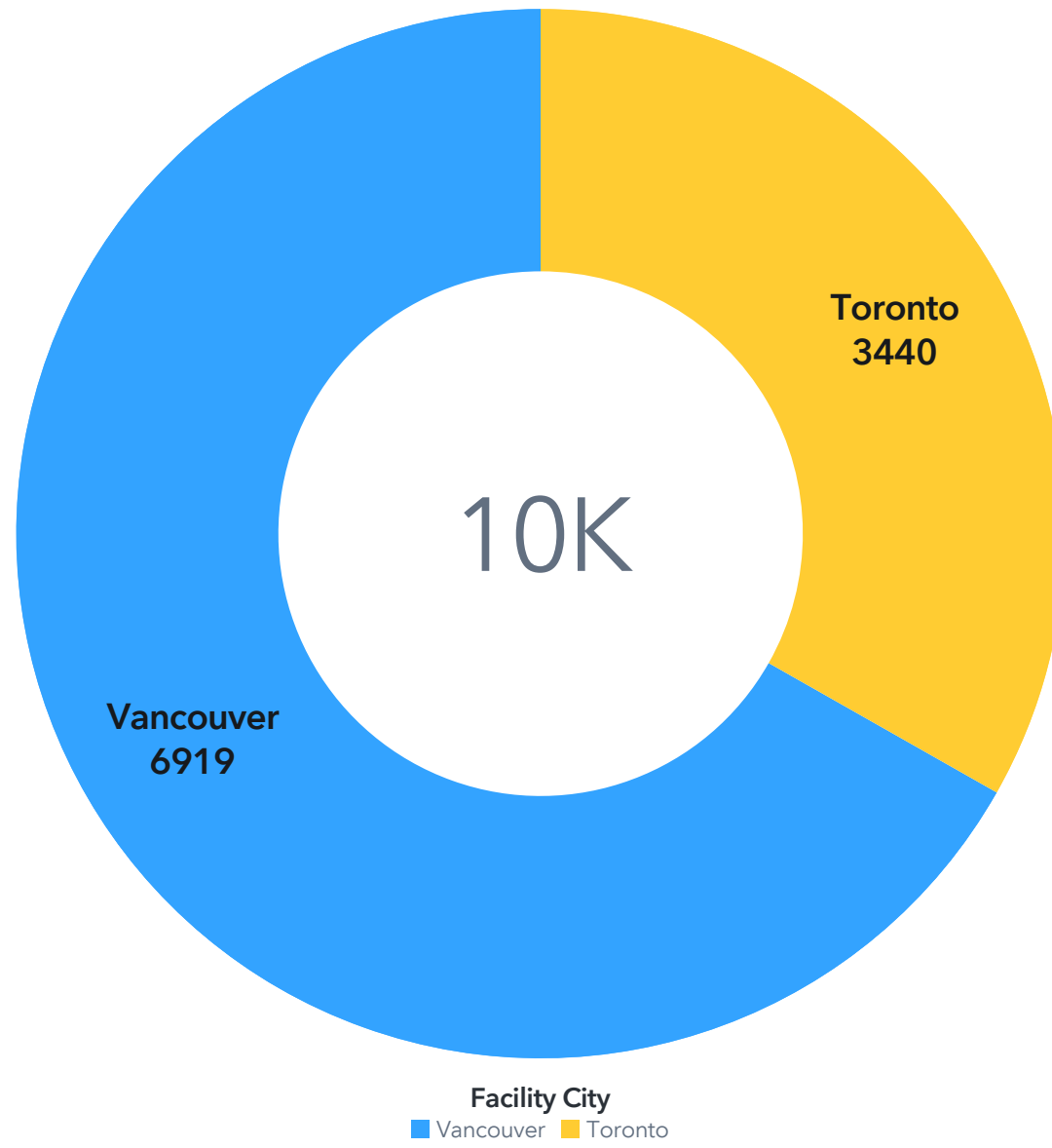
Product Cost of Sale by Transaction Month

Product Cost of Sale

Transaction Month

A7.1
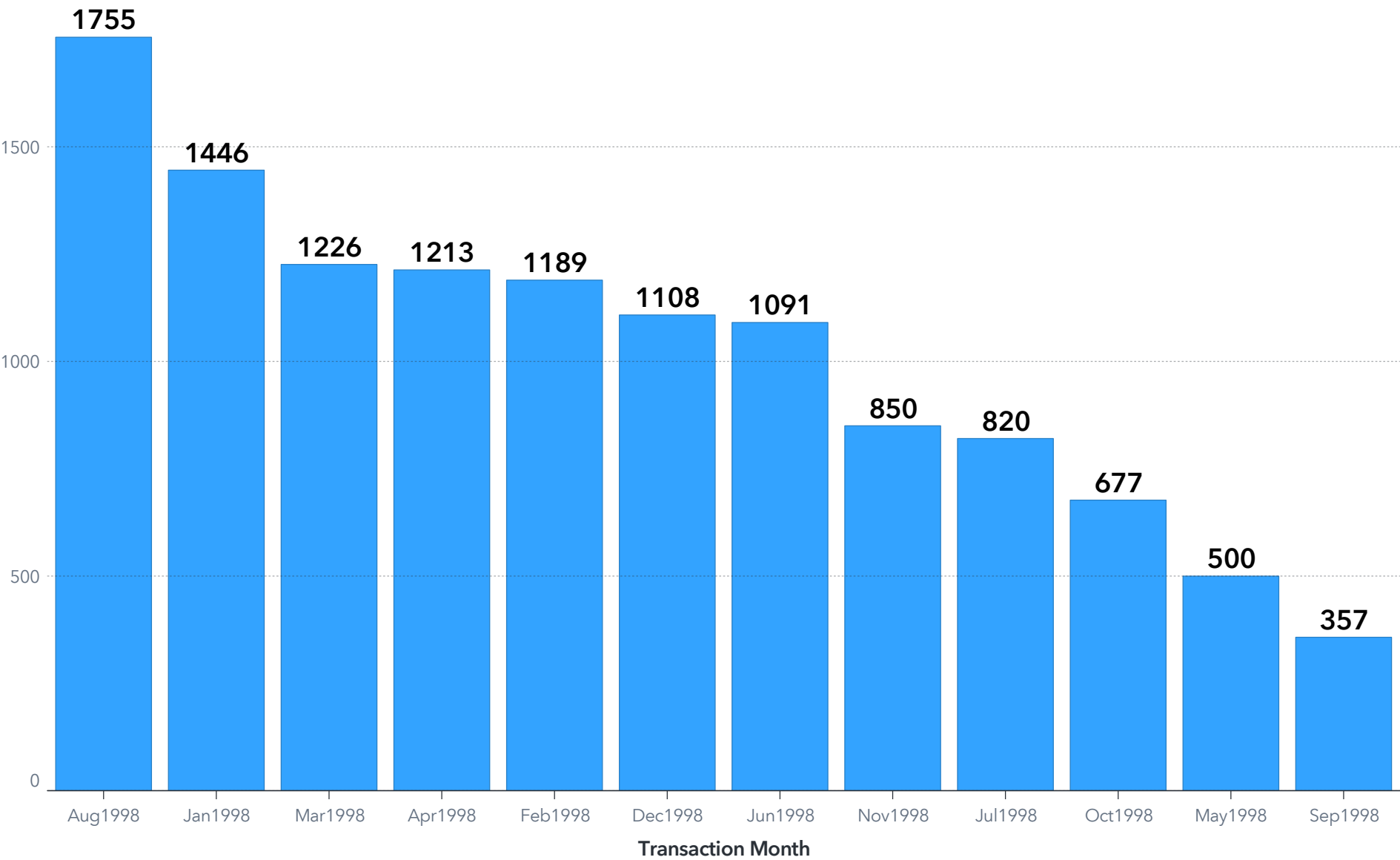
Appendix

A1.1   Product Sale by Facility Country

Filters: (Facility Continent IN { 'South America' }) OR Facility Continent MISSING

A2.1   Product Sale by Facility Country

Filters: (Facility Country IN { 'Argentina'; 'Brazil'; 'Chile'; 'Colombia'; 'Peru'; 'Venezuela' }) OR Facility Country MISSING

A3.1   Geo Map of GeoCountry sized by Product Sale

Filters: (Facility Continent IN { 'South America' }) OR Facility Continent MISSING

A4.1   Product Sale by Facility City

Filters: Facility Country IN { 'Canada' }
(1998 ≤ Transaction Year ≤ 1998) OR Transaction Year MISSING
Product Line IN { 'Kiosk' }

A5.1   Frequency, Product Sale by Facility City

Filters: Facility Country IN { 'Canada' }
(1998 ≤ Transaction Year ≤ 1998) OR Transaction Year MISSING
Product Line IN { 'Kiosk' }

A6.1   Product Sale by Facility City

Filters: Facility Country IN { 'Canada' }
(1998 ≤ Transaction Year ≤ 1998) OR Transaction Year MISSING
Product Line IN { 'Kiosk' }

A7.1   Product Cost of Sale by Transaction Month

Filters: Facility City IN { 'Atlanta' }
(1998 ≤ Transaction Year ≤ 1998) OR Transaction Year MISSING