# Homework Assignment 2

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## Table of Contents

I think that the Bar chart is the best to answer this question because it shows the value of Product Sale in descending order.
The map is great to identify the country and region, however the country point hides the name of the country making it difficult to identify the countries.
Graph in Pages 2-4 are related to this question.

Line chart in page 6 is my preferred visualization to answer this question, I would've preferred to be able to show the name of the city next to the data label for clarity.
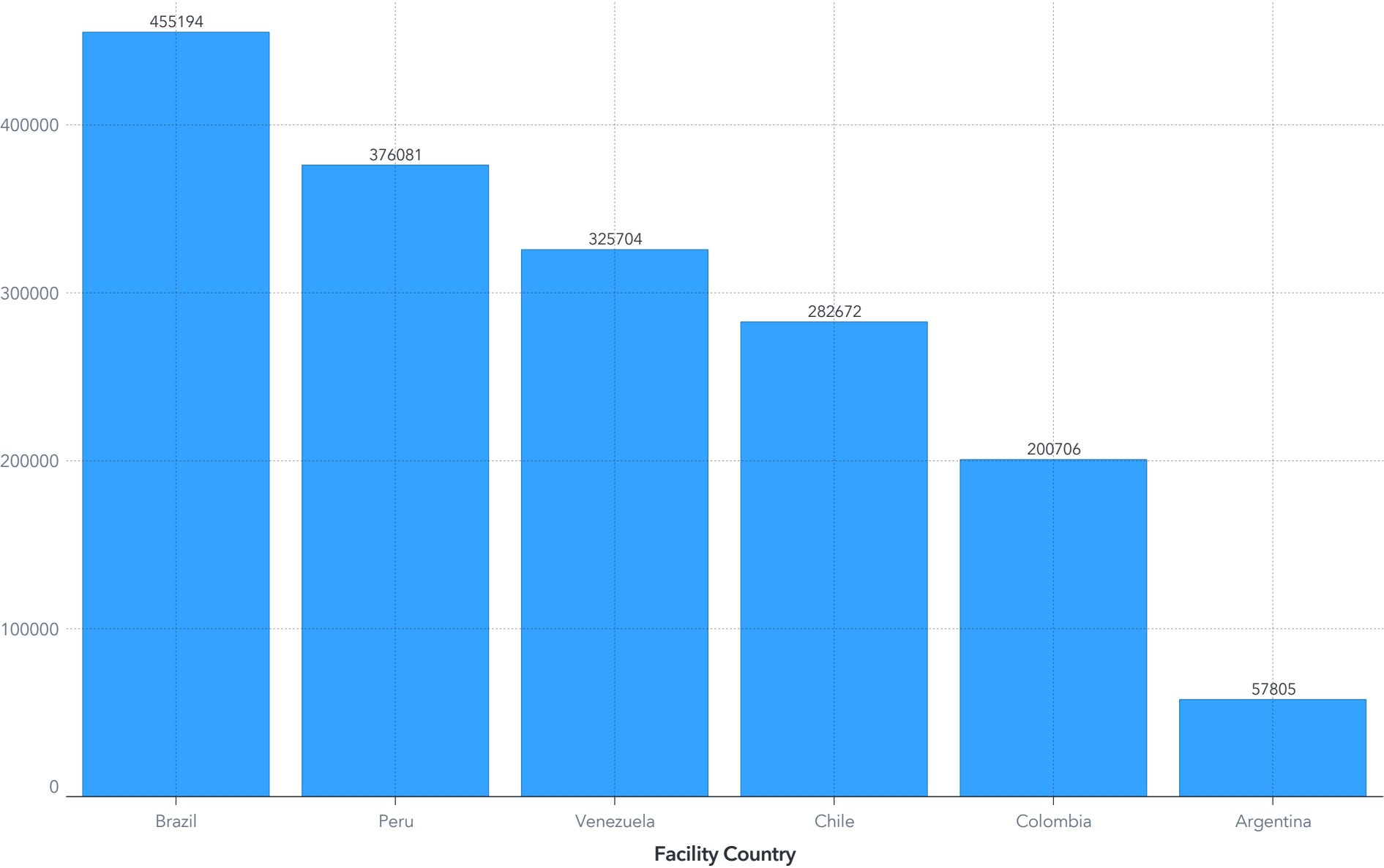Graph in Pages 5-7 are related to this question.

Graph in Page 8 is related to this question.

## Product Sale by Facility Country

**Product Sale**



Facility Country

A1.1

Product Sale by Facility Country
**Product Sale**



Argentina
57805

Brazil
455194

Venezuela
325704

Peru
376081

2.1M

Chile
282672

Mexico
406205

Colombia
200706

**Facility Country**
Venezuela  Peru  Mexico  Colombia  Chile  Brazil  Argentina

A2.1

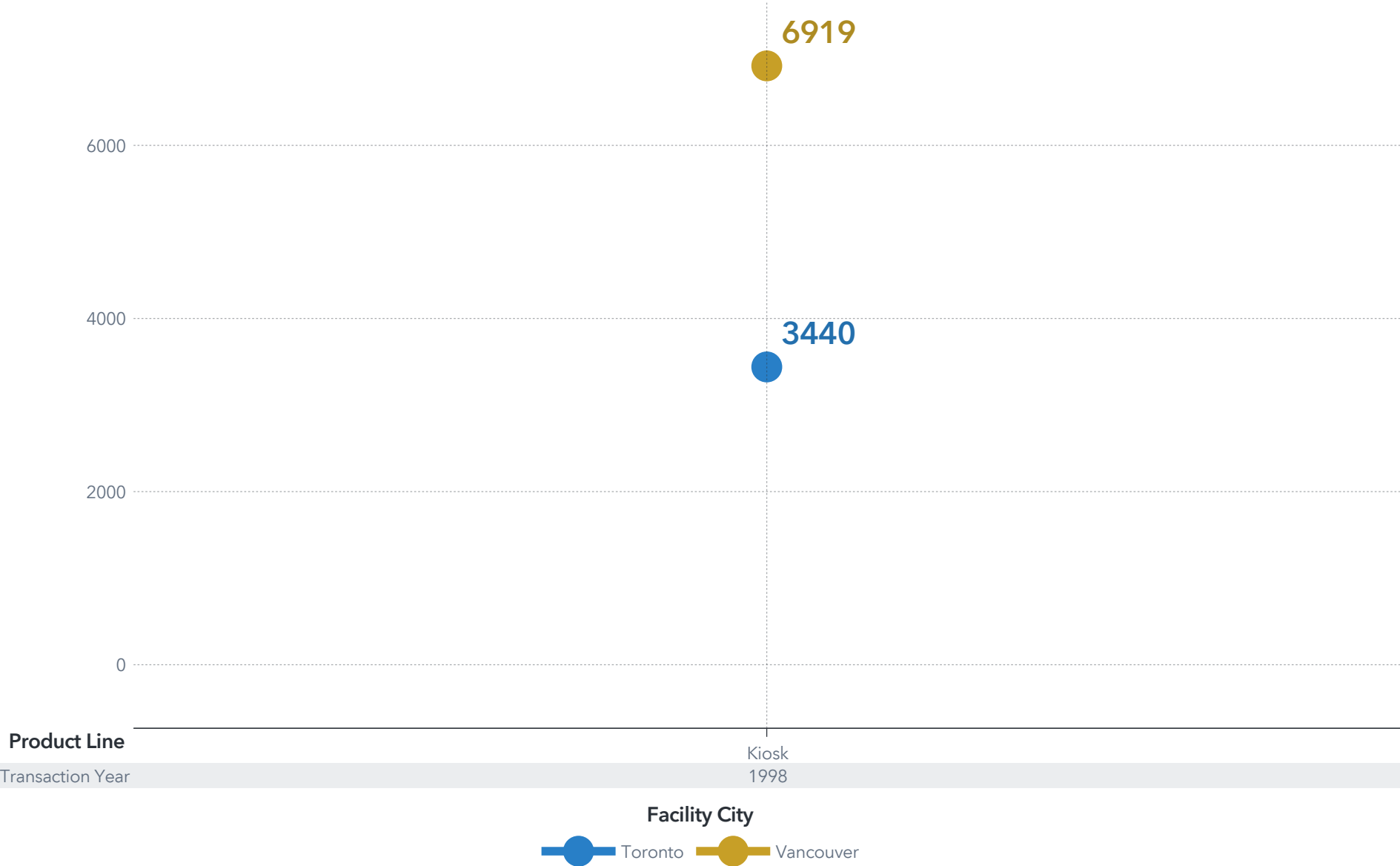Geo Map of Facility Country-Geography sized by Product Sale



A3.1

Product Sale by Facility City grouped by Product Line

**Product Sale**



Kiosk sales bar chart:
- Vancouver: 6919
- Toronto: 3440

**Facility City**

Transaction Year — 1998

Vancouver — Toronto

**Product Line**
■ Kiosk

A4.1

## Product Sale by Product Line grouped by Facility City

**Product Sale**



**Product Line**

Transaction Year — 1998

Kiosk — 1998

**Facility City**

● Toronto  ● Vancouver

A5.1
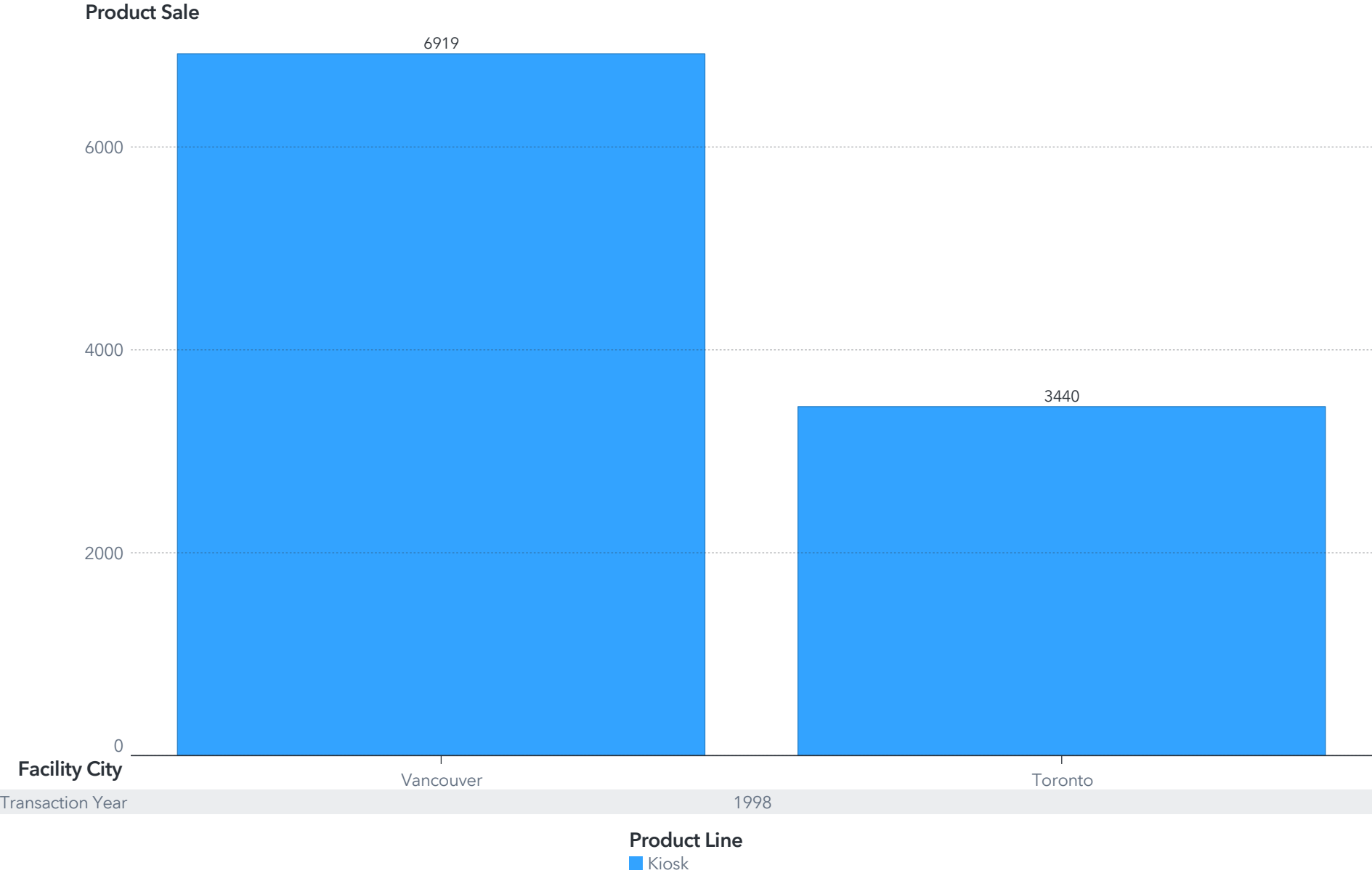
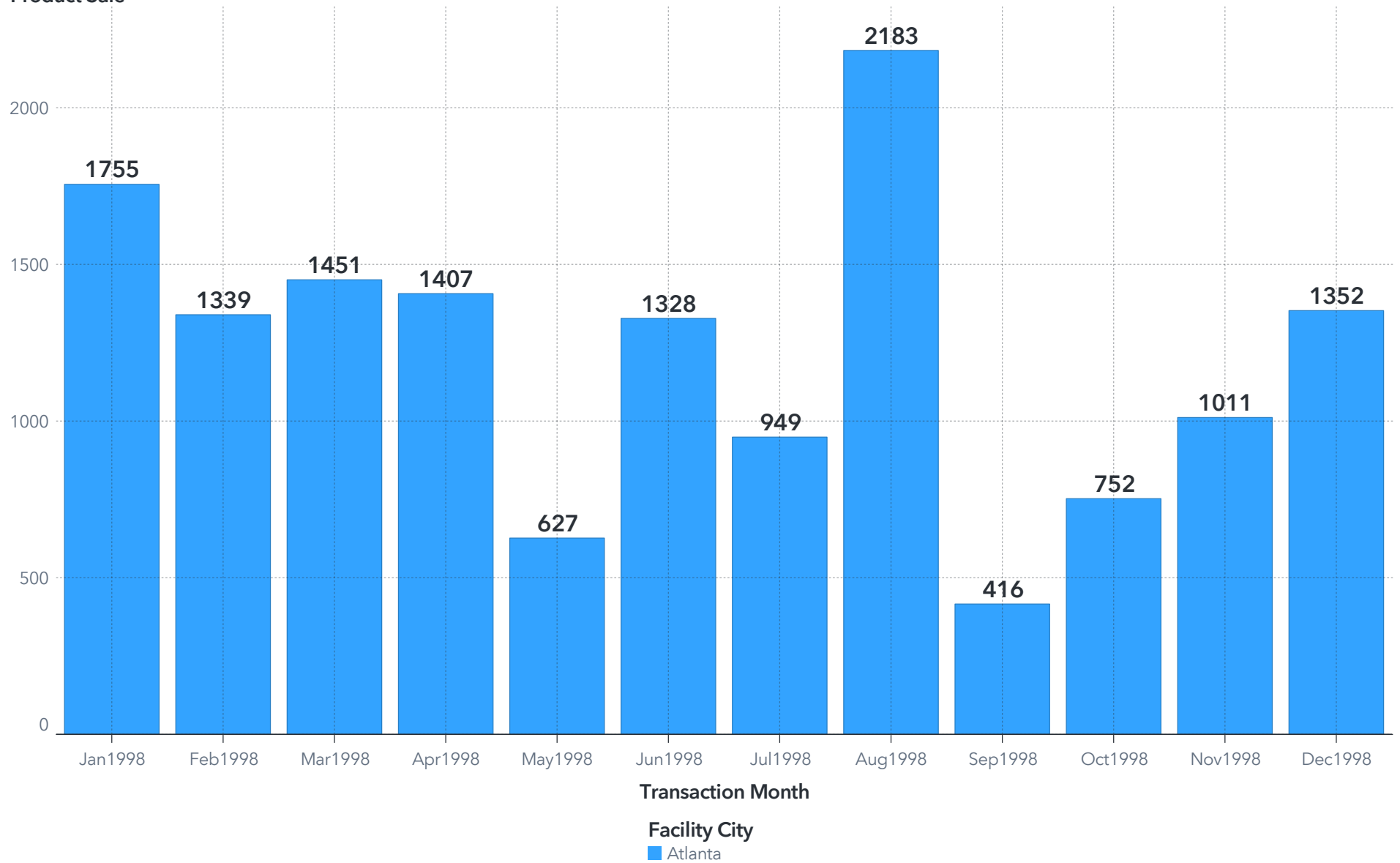## Product Sale by Product Line, Facility City

Product Sale by Transaction Month grouped by Facility City
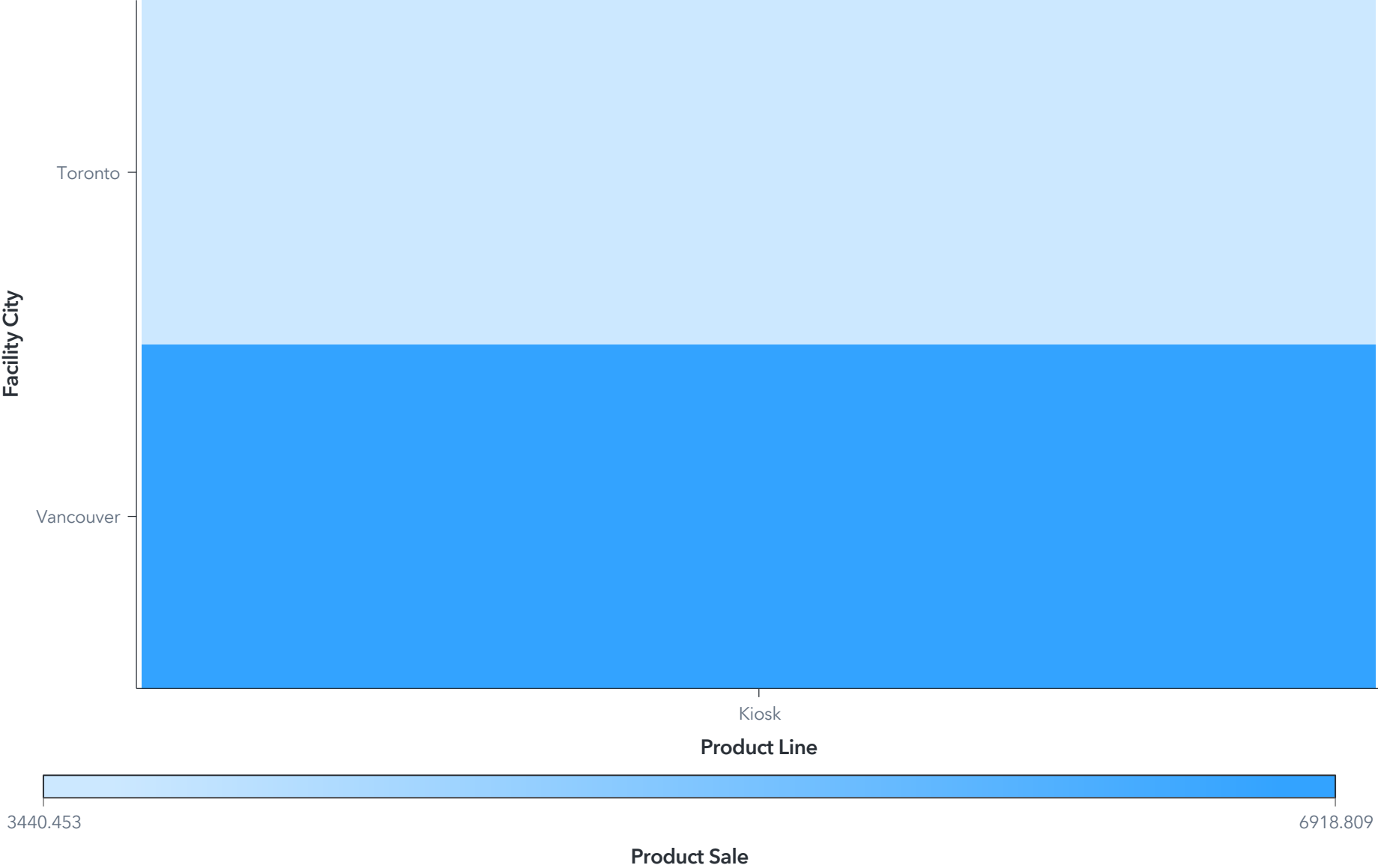
**Product Sale**



**Transaction Month**

**Facility City**
■ Atlanta

▼ A7.1

# Appendix

## A1.1   Product Sale by Facility Country

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

## A2.1   Product Sale by Facility Country

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

## A3.1   Geo Map of Facility Country-Geography sized by Product Sale

Warnings:   Some features may not be displayed on the map because of missing location information in the data.
No matches were found for supplied geography data items: Venezuela

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

## A4.1   Product Sale by Facility City grouped by Product Line

Filters:   Facility City IN { 'Toronto'; 'Vancouver' }
( Product Line IN { 'Kiosk' } ) OR Product Line MISSING
( 1998 ≤ Transaction Year ≤ 1998 ) OR Transaction Year MISSING

## A5.1   Product Sale by Product Line grouped by Facility City

Filters:   Product Line IN { 'Kiosk' }
Facility City IN { 'Toronto'; 'Vancouver' }
( 1998 ≤ Transaction Year ≤ 1998 ) OR Transaction Year MISSING

## A6.1   Product Sale by Product Line, Facility City

Filters:   Product Line IN { 'Kiosk' }
( 1998 ≤ Transaction Year ≤ 1998 ) OR Transaction Year MISSING
Facility City IN { 'Toronto'; 'Vancouver' }

## A7.1   Product Sale by Transaction Month grouped by Facility City

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